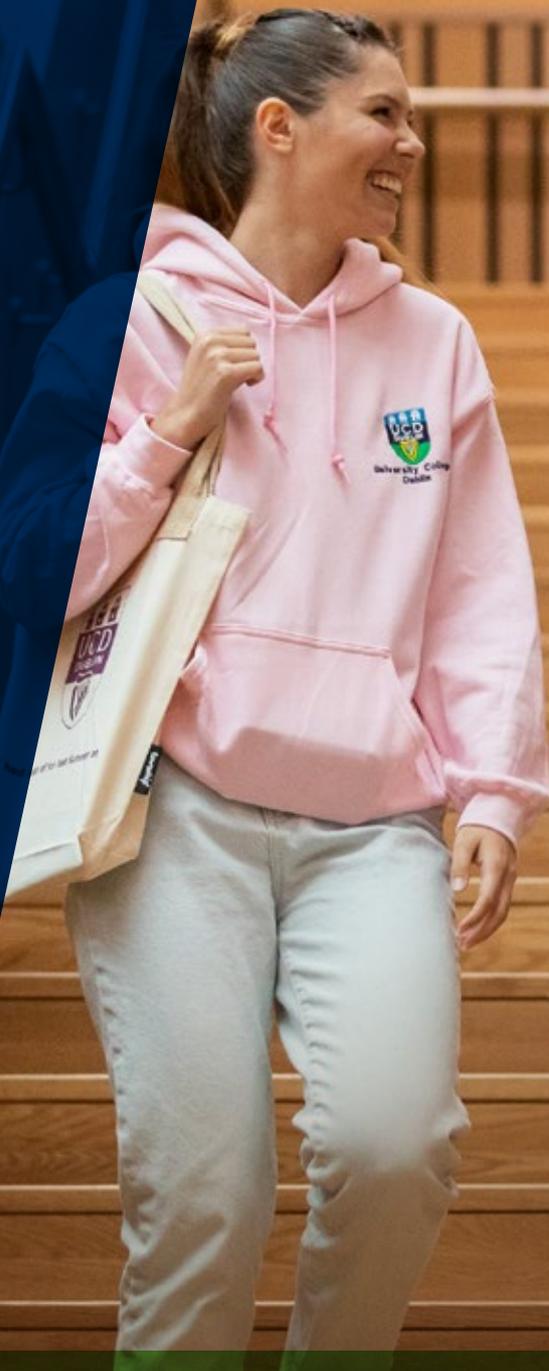




University College Dublin
Ireland's Global University



REPORT OF THE PRESIDENT

SEPTEMBER 2021
– AUGUST 2022



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University College Dublin
National University of Ireland, Dublin

September 2021 – August 2022

For presentation to the Governing Authority of
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OVERVIEW BY THE ACTING PRESIDENT



On 1 April 2022 I was honoured to step into the position of Acting President following the resignation of Professor Andrew Deeks as President on 31 March 2022. I want to take this opportunity to thank Professor Deeks for his significant contribution to UCD during his tenure and to wish him success as he takes up the position of Vice-Chancellor and President of Murdoch University, Perth, Australia.

THIS REPORT COVERS the academic year from 1 September 2021 to 31 August 2022 and highlights the many successes and achievements of faculty, staff and students across the University.

In May 2022 UCD joined the Una Europa University Alliance. This alliance has pioneered a Europe-wide living lab of over 20 innovative educational formats, with mobility at the core. Collectively, the alliance comprises over half a million students and almost 100,000 faculty and staff, transcending geographical borders. Becoming a member of Una Europa provides us with a welcome access point for partnership with other EU countries, particularly in the context of Horizon Europe.

In September 2021, following seventeen months of public health restrictions required for the COVID-19 pandemic, we returned to in-person teaching across all disciplines. We were very aware of the negative impact of isolation on student mental health and were determined to restore campus life academically and socially. With the majority of our campus population fully vaccinated, health risks were dramatically reduced, and a range of risk mitigation measures were put in place. Faculty and staff across campus worked to ensure that our students could continue their university journeys in a safe environment.

As we emerged from the restrictions of the pandemic, we recognised the need to balance the benefits of hybrid working arrangements with the needs of students and colleagues. UCD is a campus-based university and we all benefit from social interaction and collaboration

in-person. In order to balance the benefits of hybrid working while delivering our core teaching, learning and research mission, we piloted a hybrid working trial and established a Review Working Group to develop recommendations for a policy framework, which will be finalised once the Government plan for hybrid working is published.

In April, with Acting Deputy President and Registrar, Professor Barbara Dooley and Vice-President for Research, Innovation and Impact, Professor Orla Feely, I co-hosted eight town hall meetings for colleagues across the University.

My motivation in hosting these meetings was to re-energise staff who had shown extraordinary commitment and dedication over the past two years. It was a good time to reassert our purpose and to consider what we do, and why. The purpose of a university is higher education and scholarship. Through these, our mission is to make a difference to society. Whether directly involved in teaching or research, or in an area that supports and enables these activities, we all have a

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role in ensuring these are delivered. At the open meetings we covered the main topics affecting the University and shared information on the overall strategy and specific operations for each audience. Staff were given the opportunity to ask questions and a follow-up report addressing the main topics of concern was published.

Since the outbreak of the deplorable invasion of Ukraine by Russia, I am proud of how UCD as a community has offered support to those fleeing war. Over the summer, our student accommodation was repurposed to house displaced families. A range of activities were run across campus to support the health and well-being of our visitors during this time. Additionally, we provided support to new and existing students and faculty members from Ukraine and Russia to continue their studies and research.

There is no doubt that the impact of COVID, followed by the changed geopolitical and economic climate has driven inflation to levels not experienced for over twenty years. This upsurge in cost of living affects the University, our staff and our students. The implications are serious for everyone and have forced us to reluctantly take a decision on pausing capital development of the phase II of the student residences. While I am acutely conscious of the need for affordable housing for our students, the prices returned on the public procurement tender were double the estimated costs. We continue to seek to find a solution to this problem.

Conscious of the day-to-day burden of inflation and the onus on public bodies to demonstrate leadership in pursuing and reporting on resource efficiency actions across all public facilities, the University has taken a number of steps including measures to reduce energy use, reduce food waste, promote water conservation, waste segregation, reuse and recycling practices.

For the period covered by this report we await the commencement of the new Higher Education Authority Act 2022. The original HEA Act dates back to 1971. The stated purpose of the new Act is to "reform supervision and regulation of higher education institutions" and "modernise the regulatory role of the Higher Education Authority". Through the IUA, we submitted recommendations for amendments to the Bill, some of which were incorporated. The Act is designed to strengthen the role of the HEA regarding how the higher education sector is governed. In relation to the Governing Authority, the Act will reduce the size of the Governing Authority from forty to nineteen and the University will have twelve months from the commencement of the Act to implement the new structure.

Education

Acting Registrar and Deputy President, Professor Barbara Dooley presents a full account of activities in education and student development elsewhere in this report.

I would like to highlight a number of key achievements that demonstrate UCD's commitment to excellence and innovation in our teaching, assessment and student supports.

Taking from the learnings of delivering quality education during COVID -19, we have adopted many of the benefits of technology-enhanced learning, digital assessments and academic advising, in order to improve the learning experience and academic

development of our students. Growing numbers of faculty are developing and honing their teaching skills by taking our University Teaching and Learning programmes.

As students returned to campus, the Library initiated an ambitious project to increase the availability and quality of study spaces in the James Joyce Library and the facility is central to the sense of vitality at Belfield.

Support services to students continued to be delivered to a high level in a hybrid environment and student satisfaction with the services provided remained high with 82% of users finding the service good or excellent. Because of the public health emergency, the Student Assistance Fund was increased to €1.43 million.

This year, a new Student Representation and Partnership Agreement was developed in consultation with the UCD Students' Union. It expands and strengthens the University's commitment to partnership outlined in the Student Charter and sets out a shared vision for student representation.

UCD Societies produced a successful online recruitment campaign, which at the same time encouraged and facilitated societies to resume in-person events in accordance with guidelines throughout the academic year. With 83 societies, over 15,000 members and more than 4,000 events registered for 2021/22, student activity is well and truly back to the forefront of the student experience.

Of course, I cannot complete a report without referencing the success of our athletes, both students and graduates, at the European Athletics Championship in Germany in August. Computer Science student Israel Olatunde made history by becoming Ireland's



Nightwalk, part of Conveying Space, an intimate and powerful contemplation of the built legacy of Belfield; deconstructing the elemental components of architecture, transforming the rebar, concrete and stucco of its buildings to change the way we think about the structures themselves.



Acting President, Prof Mark Rogers and Prof Ellis Hennessy welcoming Dr Werner Hoyer, President of the European Investment Bank to campus for the announcement of a €350 million loan facility major capital investment on Belfield campus.

fastest man, running 100m in 10.17 seconds. UCD physiotherapy graduate Ciara Mageean, took the silver medal in the Women's 1500m in Munich and followed up by setting a new Irish 1500m record, winning the Diamond League race in Brussels in September to add to her silver medal in the Commonwealth Games, which was her first outdoor senior international medal. And UCD medicine graduate, Mark English took the bronze medal at the European Championships for the 800m. We are proud of these extraordinary UCD athletes and thank them for the enjoyment they bring to everyone who watches their performances.

We will soon open the new running track, funded through the generosity of a graduate donor and I look forward to watching our students train on internationally accredited facilities and getting the best support possible here on campus.

Research

Vice-President for Research, Innovation and Impact, Professor Orla Feely presents a full account of our research and innovation activities in this report.

I would like to highlight a number of key achievements that demonstrate the quality of scholarship and research undertaken by faculty and the commitment of staff in UCD Research and Innovation, Colleges and Schools and Research Centres to supporting research, innovation and impact.

This year has been our most successful ever for securing external research funding, which amounted to a total of €155.7 million. This success was made up of 897 individual externally funded research grants across all areas of the University, reflecting the diversity of

our research strength. Central to this success is the alignment of our research to the University's four strategic themes: Creating a Sustainable Global Society; Transforming through Digital Technology; Building a Healthy World; and Empowering Humanity. Examples demonstrating excellent research with clear impact across these themes, with major funding support, include Professor Andrew Keane, UCD Earth Institute with NexSys, Next Generation Energy Systems; Professor Robert Gerwarth, UCD School of History with research into The Age of Civil Wars in Europe c. 1914-1949; and Professor Owen Smith, UCD School of Medicine and Children's Health Ireland Cancer Trials Group.

Our performance in European funding was particularly strong, and at the end of the year we ranked 17th among all European higher education institutions, and a clear first nationally, for funding under Horizon Europe.

Our Field-Weighted Citation Impact increased to 1.73, which means that publications from UCD are cited 73% more than the world average. This citation impact is an indicator of the quality of research across the University, and not just in large funded research projects.

Separately, the scholarship of faculty is seen in the books published, the conference papers delivered, the expert positions taken on government boards and committees, the public engagement through national and international media channels and the contribution to projects such as the Decade of Centenaries and Belfield 50.

This scholarship is core to the reputation of UCD and is the legacy we give to society.

Finance, Capital Development and Estate Management

Bursar and Chief Financial Officer, David Kelly presents a full account of our finance and capital development activities in this report.

I would like to highlight a number of key achievements that demonstrate the performance of these functions in the difficult economic environment.

For the 2021/22 financial year, the University generated a surplus of €14.7 million on HEA core-funded activities while we expect to generate an operating surplus of €27.5 million on our consolidated activities. The continued rapid growth in student recruitment has resulted in a strong performance in fee income which has increased by 9% on the previous year.

The current educational landscape is not without its challenges and the biggest financial challenge facing the University continues to be the underfunding of the sector, with the consequent pressure on the sustainability of operations and on infrastructure as student numbers increase. As part of Budget 2022, the Government announced a €200 million increase in funding for the sector. While this funding was welcome, a substantial part went towards addressing the longstanding sectoral pension deficits rather than providing for any extra investment in teaching and learning and research activities in 2021/22.

The publication of the Government's Funding the Future policy on the future of higher education in May 2022, acknowledged a core funding gap in the sector of €307 million per annum and indicated their intention to address this shortfall via the annual budgetary process. Funding for future demographic growth would be in addition to this.

Campus Development

As the University and wider society has emerged from the hiatus surrounding COVID-19, campus development and operational activity has returned to pre-pandemic levels. The return of faculty, staff and student activity has seen the creation of a vibrant and animated experience which had been noticeably missing.

Phase 1 of the UCD Village residences was completed during the year, adding 924 new bedrooms to the University's accommodation offering. It is a vibrant addition to campus and includes retail and food offerings, as well as a gym and support services, adding significantly to life on campus, especially in the busy evenings.

Unfortunately, when the construction tenders for Phase 2 of the Village Residences were received this year, the impact of inflation forced the University to reluctantly take the decision to put the project on hold.

During the past year, significant changes have occurred at the main entrance to the campus with the commencement of enabling works for Phase 1 of the Future Campus Masterplan. These works involved a realignment of the road network in preparation for a new bus interchange. The masterplan will continue to promote public transport and cycling and reduce car traffic on campus.

The running track, located in the sports precinct to the west of the campus, will be completed this September and forms part of the ambitious Sports and Student Amenities project.

Cognisant of the changed economic environment, the University has begun to review our campus development plans in order to provide optimum facilities for our students, faculty and staff into the future.

Global Engagement

Vice-President for Global Engagement, Professor Dolores O'Riordan, presents a full account of our global activities in this report.

I would like to highlight a number of key achievements that demonstrate UCD's commitment to providing a global experience as well as contributing to our global impact.

UCD's international student recruitment exceeded expectations in 2021, supported by strong regional engagement via our Global Centres in China, Malaysia, India, UAE and USA. On UCD's Dublin campuses, 9,590 international students were registered, representing 28.9% of all UCD students in Dublin. This contributed wonderful diversity to the UCD community with students from 151 different countries.

The transnational programmes in our three international colleges in China, BDIC, CDIC and GDIC continued to grow, with student numbers increasing by 24% to just over 2,600. Two-thirds of the 436 students who graduated this year have progressed to postgraduate programmes, with almost 70% moving to universities in the top 100 of the QS rankings. These outcomes are testament to UCD's commitment to excellence in transnational education.

Governance

As I assumed the role of Acting President from 1 April, the University conducted a selection process for my previous post. Consequently, Professor Barbara Dooley was appointed Acting Registrar, Deputy President and Vice-President for Academic Affairs and Professor Paul McCabe was appointed Acting Dean of Graduate Studies.

On 5 September, Professor Regina Uí Chollatáin was appointed College Principal, Arts and Humanities and joined the University Management Team. Professor Uí Chollatáin is a renowned Irish scholar, former Head of UCD School of Irish, Celtic Studies and Folklore and Professor of Modern Irish. Her primary areas of research are the Revival Period, Irish language print and broadcast media, Irish language cinema,

The current educational landscape is not without its challenges and the biggest financial challenge facing the University continues to be the underfunding of the sector, with the consequent pressure on the sustainability of operations and on infrastructure as student numbers increase

As Ireland's biggest and most globally engaged university, we play a critical role in the national response to sustainability concerns and are regarded as a leader in both the European and worldwide higher education contexts

modern literature in Irish and criticism. She replaces Professor Sarah Prescott who took up a position in the University of Edinburgh. My thanks to Sarah for her enormous contribution to Arts and Humanities during her time with us. I wish her continued success.

Ellis O'Brien, Director of Communication and Marketing with responsibility for University Relations, also joined the University Management Team.

We also welcomed Dr Sandra Collins to UCD as University Librarian. Dr Collins joins at a crucial stage as we seek to maximise digital technology in our teaching, learning and research as well as preserving and promoting the cultural heritage collections that are under our guardianship. Dr Collins holds a PhD in nonlinear fluid dynamics from UCD. She replaces Dr John Howard following his retirement from the University. I want to thank John for his stewardship of the Library and wish him well for his retirement.

Professor Laurent Pech was appointed as Dean at UCD Sutherland School of Law. He took over the role from Dr Niamh Howlin. My thanks to Dr Howlin for her stewardship of the School.

Sustainability

During the year, I launched the UCD Sustainability Report 2021, detailing many of the University's important actions, projects, and accomplishments over the last two years.

As Ireland's biggest and most globally engaged university, we play a critical role in the national response to sustainability concerns and are regarded as a leader in both the European and worldwide higher education contexts. The University is continuing to engage and reinforce commitment to the 2030 Sustainable Development Goals, as well as to accelerate contribution to their attainment.

Highlights of UCD's involvement in sustainability education include the creation of new programmes at both undergraduate and postgraduate levels. For example, the new MSc Sustainable Development is available online to both part-time and full-time students and is in high demand.

To build on our commitment to sustainability and the achievement of the Sustainable Development Goals, each of our strategic themes contributes significantly to the University's overarching goal of sustainability and will help to inspire, inform and advance UCD's projects.

Within the Campus Development Plan and Estates Strategy, UCD aims to meet or exceed the targets set by the Government's Climate

Action Plan 2021. This involves a reduction in carbon dioxide associated with running campus buildings of 13,000 tonnes of CO₂ by 2030. One pathway to achieve 2030 carbon dioxide emissions targets is to replace existing fossil fuel boiler and CHP plant with electric heat pumps. Currently underway, a pathway towards decarbonising the Belfield District Heating system is being developed. Initially, this involves the installation of a number of electrically powered high-temperature heat pumps providing 2MW of heat output which will displace 40% of existing fossil fuel heating in the UCD energy centre.

UCD Strategy 2020-2024 – Rising to the Future

In December 2021, UMT champions were appointed to each of the University's Strategic Themes and in January, Co-Chairs were appointed as follows:

Creating a Sustainable Global Society

UMT sponsors: Professor Orla Feely, Professor Colin Scott

Co-Chairs: Professor Tasman Crowe and Triona McCormack

Transforming through Digital Technology

UMT sponsors: Professor Jeremy Simpson, Professor Aoife Ahern

Co-Chairs: Professor Pdraig Cunningham and Bianca Shaw

Building a Healthy World

UMT sponsors: Professor Cecily Kelleher, Professor Dolores O'Riordan

Co-Chairs: Professor Gerardine Doyle and Professor Peter Doran

Empowering Humanity

UMT sponsors: Professor Regina Uí Chollatáin, Tristan Aitken

Co-Chairs: Professor Bettina Migge and Mary Gallagher-Cooke

Following a call for expressions of interest to the UCD Community, a robust mix of faculty, staff and students make up each group. Work has started on outlining the key actions needed to ensure that the themes are embedded across the University.

Programme for Operations and Services Transformation

The Programme for Operations and Services Transformation (POST) is an ambitious project to improve the services and processes we provide to our faculty, staff and students as they take part in, and enable, education and research. This focus on people will help identify what is needed and gives the perspective to judge how well we have met those needs. The aim is to reduce the burden of routine tasks and to join up how UCD provides these services and supports so their users do not have to. Through this, will improve the user experiences, make it easier for those who provide them to deliver services, and deliver efficiency and effectiveness.

The programme is divided into four service streams: Teaching, Researching, University Living and Enabling Services. The UMT Service Group has been established to take responsibility for the governance of the programme, devise the selection criteria for projects, prioritise implementation, provide support to staff implementing projects, and train staff and students in improved supports and services.



Renowned singer and songwriter Paul Brady receiving the UCD Ulysses Medal, the University's highest honour, pictured with Acting President, Prof Mark Rogers. The medal was awarded in recognition of his outstanding contribution to arts and culture, in Ireland and globally.

POST is designed to focus on the needs of people, supported by better services and processes, and enabled by technology.

In Conclusion

I am both proud and humbled to have the opportunity to lead this great university. Our community embraces the students we teach and guide, the staff who support them, the researchers and scholars, the employers and partners, the alumni and friends, the funders and supporters. This community is the embodiment of our reputation.

Since April I have been supported by the UCD Governing Authority, most particularly by the Chair, Marie O'Connor and the Chair of FRAMC, Charles Coase, and I would like to express my thanks to them and to the members of committees supporting UCD who do so with skill and generosity.

With over 306,000 alumni in 185 countries, the UCD alumni network continues to grow in strength and influence around the world. This year saw the establishment of new overseas chapters in Turkey, Singapore, China, Botswana, Vietnam and Malaysia. This is testament to UCD's genuine global reach, with alumni and their achievements and successes enhancing UCD's international reputation for excellence.

Philanthropic giving enhances every facet of UCD life, and I extend my sincere thanks to the many alumni, donors, corporate partners and friends whose exceptional generosity sustained our work over the past year to shape a better future for society through education and research.

In 2021/22 we received over €20 million in major gift donations in support of our students, facilities and research programmes. Every gift to UCD makes a real and lasting impact.

During 2021/22, UCD in the Community continued to connect with community-based organisations, highlighting the community engagement taking place around the University and beyond, connecting colleagues and students with the wider community and facilitating their annual flagship community events.

I am always proud of the members of the wider UCD Community and their achievements. And particularly proud of how together over the past two years, we weathered the pandemic and, while it has not gone away, the tough day-to-day implications and impositions have lessened and allow us to get on with doing our best to give our students the best possible education.

Our faculty strive to address the myriad challenges facing the world and our research is achieving impact in key areas of society. Our professional staff ensure that the operation of the University's business is run at optimal levels to support the achievement of our teaching, learning and research objectives.

Across the University, each and every employee displays a heightened awareness of the world around us, supporting sustainable ways of living and working, volunteering, mentoring and enhancing the University's reputation.

My personal thanks to each and every one for their efforts.

Professor Mark Rogers
Acting President



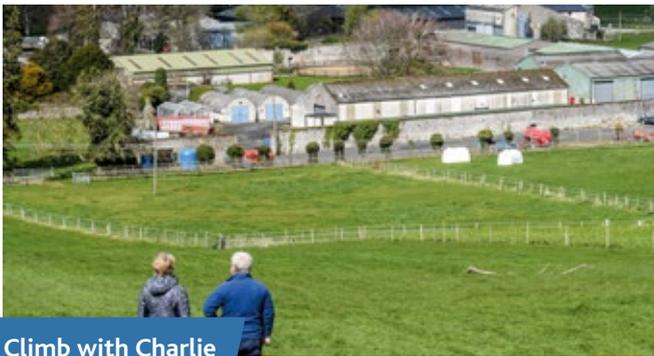
Nobel Scholarship

Altamash Shaikh, Stage 2 Business and Law candidate at UCD, was selected as the **first UCD Nobel Scholar** following a competitive application process. The Nobel Scholarship is a new initiative in UCD Lochlann Quinn School of Business, in partnership with Education First, and the Forum on Education Abroad, to collaborate in a global module supporting a small group of international change makers to work and learn together, and participate in the Nobel Dialogues week, part of the Nobel Prize events in Sweden.



Ulysses Centenary

2022 marked the **centenary of the publication of James Joyce's Ulysses**, widely regarded as the literary masterpiece of the 20th century. In partnership with the NLI, UCD's Museum of Literature Ireland-MoLI celebrates the University's most famous graduate with permanent displays of Joycean treasures from the State collections, including the famous 'Copy No.1' of Ulysses. Alongside UCD College of Arts and Humanities Re:Joyce film, this was always going to be a red-letter year for Ulysses.



Climb with Charlie

On Saturday, 2 April some 200 UCD employees, their families and members of a local walking group climbed Lyons Hill in support of the national **Climb with Charlie** initiative. The event aimed to bring UCD colleagues together in a non-work event and raise funds for the Irish Motor Neurone Disease Association and Pieta, Ireland's national suicide prevention charity.



Ad Astra Academy Performing Arts

Marking 70 years since the death of George Bernard Shaw, the UCD Ad Astra Academy Performing Arts scholars presented a **new multidisciplinary work** based on the life and works of GBS in February 2022. The work was developed from selected plays, literature, letters and news articles, both by and about Shaw.



Helping pollination

Over the past few years, we have reduced mowing regimes, discontinued the use of glyphosate for weed control in amenity areas, introduced newly planted areas, new wildflower meadows and other green infrastructure projects, such as sedum roofs on UCD Moore Centre for Business, Ashfield Student Residences and the University Club, all of which will help to provide a valuable **food source and habitat for pollinating insects** into the future.



Class of 2020

The UCD Class of 2020 spent their final university days locked down, doing exams, meeting friends and even graduating virtually. They finally got to **celebrate their achievements** in person in O'Reilly Hall in June 2022 along with their lecturers and guests. Associate Professor Maeve Houlihan, UCD Quinn School of Business led a heart-warming recognition piece, and Acting President Professor Mark Rogers delivered an address.

MAJOR STRATEGIC PARTNERSHIPS

The University's major strategic partnerships continued to thrive, achieving significant successes, nurturing current and prospective partnerships in Ireland and internationally, relationships crucial to enabling UCD to maximise our relevance and impact on society, while at the same time augmenting our student experience and researcher engagement.

BUILDING THESE PARTNERSHIPS is a core objective of our strategy and forms an integral part of our vision for growth and development. During the past year we have made further significant progress with organisations based here in Ireland and internationally, in areas such as talent development, research and innovation, and corporate social responsibility.

UCD's major strategic partnerships include: AIB, Bristol-Myers Squibb, Dún Laoghaire-Rathdown County Council, Genuity Science, ICON plc, Intel, Mainstream Renewable Power, Microsoft, Origin Enterprises plc, PwC, A&L Goodbody and Teagasc.

Dún Laoghaire-Rathdown County Council and UCD formed a partnership between the UCD School of Public Health, Physiotherapy and Sports Science and DLR Leisure to facilitate work placements for current students.

The sixth annual Intel Masters Scholarship Award Ceremony saw twelve outstanding UCD scholars from across the fields of science and engineering receive bursary awards. The awards ceremony celebrated the talent and hard work on the part of the students. It also acknowledged the dedication of the Intel and UCD Talent Development teams who work tirelessly each year to promote, support and produce this event. Eamonn Sinnott, Vice-President Technology and Manufacturing Group and General Manager, Intel Ireland, who has led Intel in Ireland since 2010 and is a UCD Alumni Award recipient participated in the event. Under Eamonn's leadership Intel has supported the new UCD Centre for Creativity, the UCD O'Brien Centre for Science, the UCD Alumni Awards, the UCD Festival, research at UCD and UCD Explore at the Kilty Discovery Suite at the UCD College of Science. A special thank you to Intel also for making Chris Hadfield's involvement in the UCD Festival possible.

The sixth annual Intel Masters Scholarship Award Ceremony saw twelve outstanding UCD scholars from across the fields of science and engineering receive bursary awards

The UCD Microsoft Partnership Internship Scholarship in Computer Science has been established which will see up to ten students awarded an internship and scholarship. Collaboration continues between Microsoft and the UCD led SFI Centre for Research Training in Machine Learning (ML-Labs). With support from Microsoft Ireland, UCD School of Information and Communication Studies continues to develop the Microsoft-UCD Digital Policy Programme with the goal of building digital policy training and capability in Ireland and Europe. Microsoft Ireland has announced its partnership with the Science Foundation Ireland-funded UCD-led research project AI_PREMie, which aims to deliver a new risk stratification tool to help to identify women with preeclampsia.

A new Professional Diploma in Researcher Development was launched as a new initiative for Postdoctoral Fellows employed by Teagasc. The new programme is designed to equip postdoctoral fellows with the advanced knowledge and skills required for their future careers in industry or academia. It represents a significant new development in UCD's longstanding relationship with Teagasc.

Collaboration continues with Mainstream Renewable Power and its related company, Supernode, based at NovaUCD, both of whom continue to develop their very ambitious agenda in sustainability.

The seven-year partnership between PwC and UCD continues which includes significant support for the UCD Moore Centre for Business.

ICON and UCD have now entered the second phase of our partnership, with substantial support for the UCD Future Campus and collaboration with the UCD College of Business, facilitating talent development within ICON.

The Consus Steering Group, including Professor Orla Feely and Sean Coyle, Group CEO Origin Enterprises, met to review this collaborative partnership. Multidisciplinary UCD research teams continue to collaborate with Origin Enterprises, to address crop sustainability, a major global challenge.

Systems Biology Ireland has consulted for Google Deepmind, the world-leading Artificial Intelligence organisation and work continues to build an industry consortium supporting the development of research in Digital Twins for Precision Medicine Platform.

Audiences enjoy the entertainment in the family fun zone at the UCD Festival.



CONNECTING WITH OUR ALUMNI WORLDWIDE

With over 306,000 alumni in 185 countries, the UCD alumni network continues to grow in strength and influence around the world. This year saw the establishment of new overseas chapters in Turkey, Singapore, China, Botswana, Vietnam and Malaysia, bringing the total number of global chapters to 49. Our alumni are a great credit to the University, and their achievements and successes enhance UCD's international reputation for excellence.

WHILE ONLINE ENGAGEMENT with our alumni community through email, social media channels and the UCD Alumni Network continues to flourish, the easing of pandemic restrictions in 2022 saw a welcome return to in-person events. A full and vibrant programme of events at home and abroad throughout the year offered many opportunities to reconnect with alumni. Highlights included a number of gatherings to mark the centenary of Joyce's *Ulysses*, with a very special event at the Mansion House in London hosted by UCD alumnus and Lord Mayor of the City of London, Alderman Vincent Keaveny. In March, the seventh annual UCD Women in Leadership conference marked a return to our in-person events on campus.

Saturday 11 June brought the much-anticipated return of the UCD Festival. The day was a wonderful celebration of creativity, innovation and discovery. Amongst the events taking place on the day, a highlight was the conversation with astronaut Chris Hadfield, who enthralled visitors with extraordinary tales from the International Space Station and inspired a group of DEIS schoolchildren to dream big and reach for the stars. It was wonderful to see so many alumni enjoying the day, and additionally it is particularly pleasing to see that we have close to 55,000 engagements with events and activities from alumni and friends around the world over the course of this year.

In September 2022, the latest edition of our alumni magazine, UCD Connections, was distributed nationally with *The Irish Times* and the *Business Post* and digitally to alumni worldwide. The magazine celebrates the exceptional achievements of UCD alumni over the past year across many spheres of society. The theme of this year's magazine is Empowering Humanity, which is also one of the strategic themes that guide UCD's transformative approach to teaching, learning and research.

The University is deeply grateful to the many alumni who remain actively engaged with UCD and whose invaluable support is pivotal to our success. Our alumni make a vital contribution to UCD and our students through the Alumni Volunteering Programme, which now has 6,500 participants. In the past year over 2,000 alumni gave freely of their time and talents to advise and empower students and provide strategic guidance and support to the University. Our volunteers have improved student employability through mentoring, career panels and speaking at conferences. They have also supported student recruitment initiatives, welcomed international students to Dublin through the buddy programme, and acted as ambassadors within our global community.

Thank you to our incredible alumni worldwide for your continued support throughout the past year.

PHILANTHROPIC GIVING

Philanthropic giving enhances every facet of UCD life, and the University extends its thanks to the many alumni, donors, corporate partners and friends whose exceptional generosity sustained our work over the past year to shape a better future for society through education and research. Every gift to UCD makes a real and lasting impact.

IN 2021/22 WE RECEIVED over €20 million in major gift donations in support of our students, facilities and research programmes. The impact of such philanthropy can be seen across the campus: the new state-of-the-art athletics track will be completed this year thanks to an anonymous donation of €3 million; we received a €2.6 million donation in support of NexSys, the all-island, multidisciplinary energy research programme hosted by UCD Energy Institute; and we received a landmark donation of €10 million in support of the Centre for Future Learning, part of the Future Campus capital development programme.

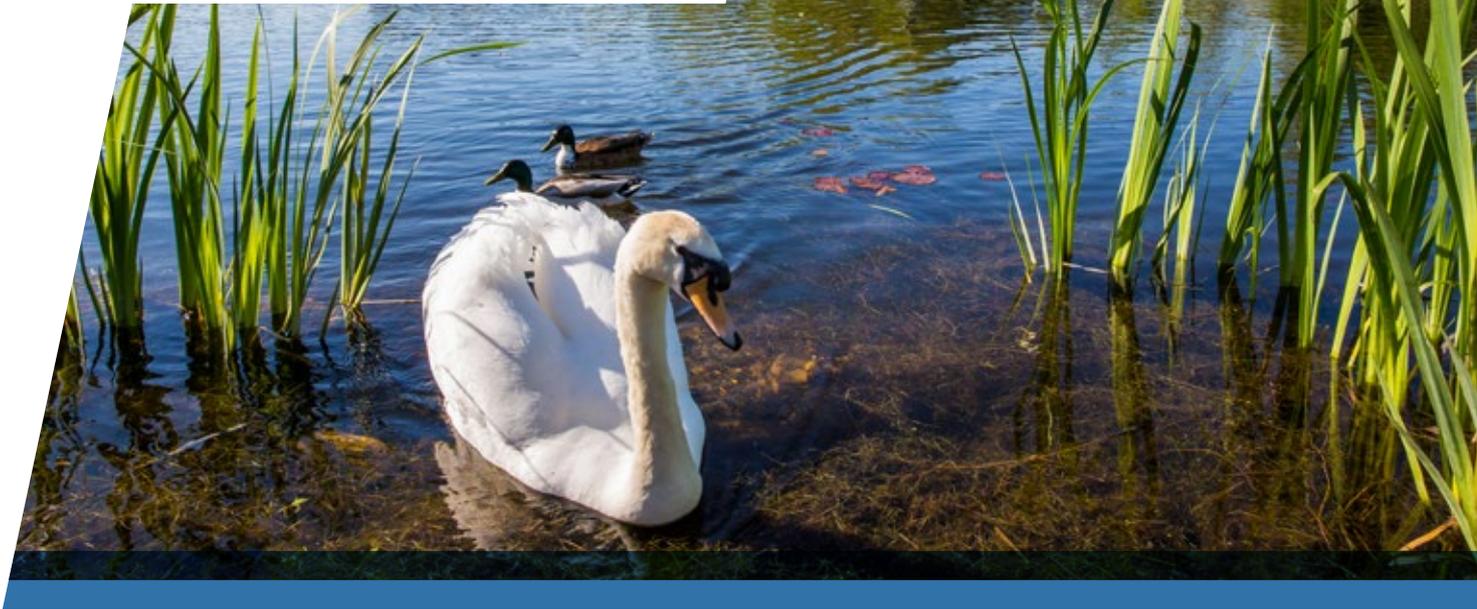
In the current challenging economic climate, we rely more than ever on donor support to ensure that our students have access to essential resources and services that enhance their well-being and enable them to thrive and succeed at UCD. By supporting UCD Champions, College Support Funds and other student-focused campaigns, our incredible philanthropic community plays a vital role in helping to ensure equality of access and opportunity, and provide an exceptional educational experience for every UCD student.

Over €245,000 was donated to the College Support Funds in the past year to fund resources and activities to enhance the student experience, including hardship funding, bursaries, equipment, teaching materials and facilities. In addition, over 4,000 UCD Champions donated through our annual giving programme to support our students. Thanks to their generosity we were able to award 150 Cothrom na Féinne access scholarships to help level the playing field for students from underrepresented backgrounds. In the past year, UCD Champions have also supported critical student mental health services as well as a host of other student-centred initiatives.

The commitment, confidence and generosity of our philanthropic donors will remain critical as we continue to work towards the vision set out in our Rising to the Future strategy. We are grateful to all our supporters, who are instrumental to UCD's success and impact today and in the future.



UCD IN THE COMMUNITY



During 2021/22, UCD in the Community continued to connect with community-based organisations, highlighting the community engagement taking place around the University and beyond, connecting colleagues and students with the wider community and facilitating their annual flagship community events.

HIGHLIGHTS DURING 2021/22 included the launch of the UCD Community Engagement Report 2020/21. The report celebrates, highlights and showcases the wide variety of community engagement that is happening across UCD, from community-engaged research and innovation and community-engaged teaching and learning, to volunteering. The activities in the report bring the UCD Values to life and demonstrate the open, creative and collaborative spirit in which we engage with the wider community for mutual benefit. The report can be viewed on the UCD in the Community website.

Hope Fest, UCD's annual music and wellness event for those experiencing homelessness, returned in-person, and was held in the Iveagh Gardens, Dublin. The event is run annually in collaboration with Dublin Lions Club and Dublin Simon Community. It is a hugely beneficial day for the homeless community and is the highlight of the year for many attendees. The OPW have kindly made Iveagh Gardens available for this unique festival type event over the past number of years and the area is transformed with areas for food, wellness and various musical acts including The Metabollix with Dr Luke O'Neill, and the UCD Community Choir.

In May 2022, UCD in the Community, with support of UCD staff and students, came together to discuss how to best support the Ukrainian crisis. In collaboration with UCD Quinn School of Business, UCD Sutherland School of Law and UCD School of Education, UCD in the Community organised daily English Language Classes which catered to over 300 Ukrainians. The classes ran Monday-Friday during the summer, moving to the evening once students returned to campus. The classes cater for over 500 students.

Hope Fest, UCD's annual music and wellness event for those experiencing homelessness, returned in-person, and was held in the Iveagh Gardens, Dublin

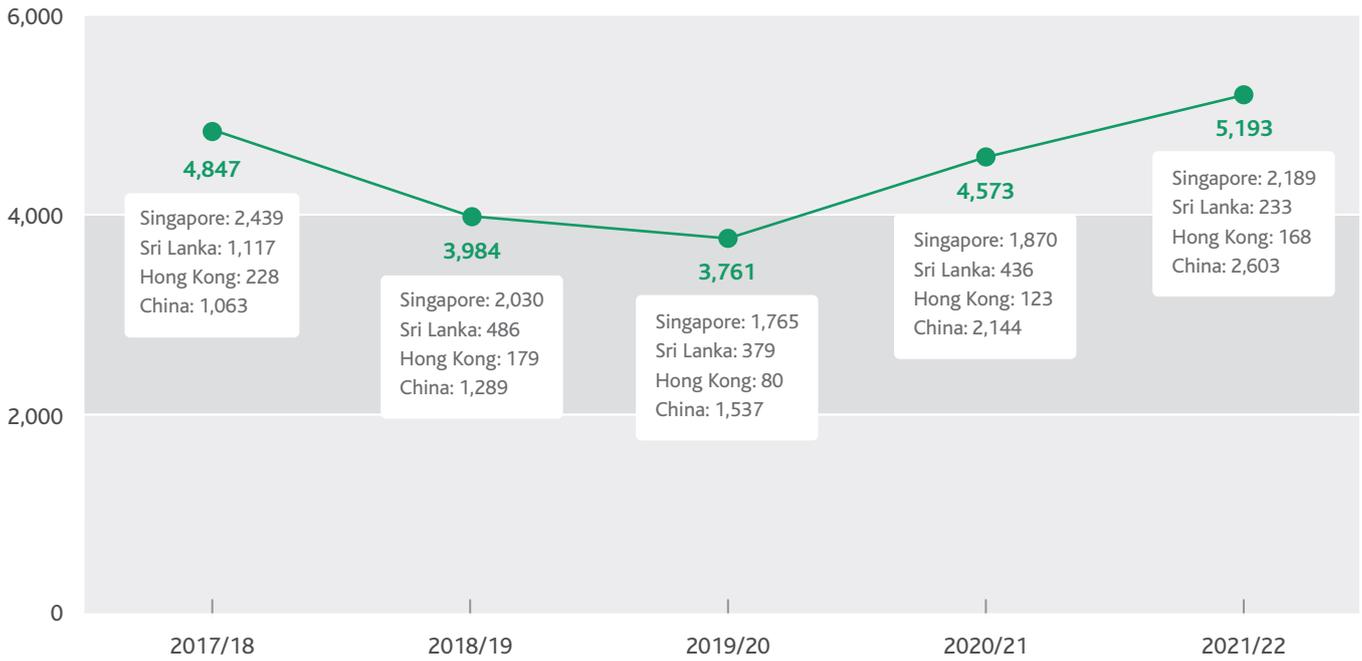


UCD BY NUMBERS

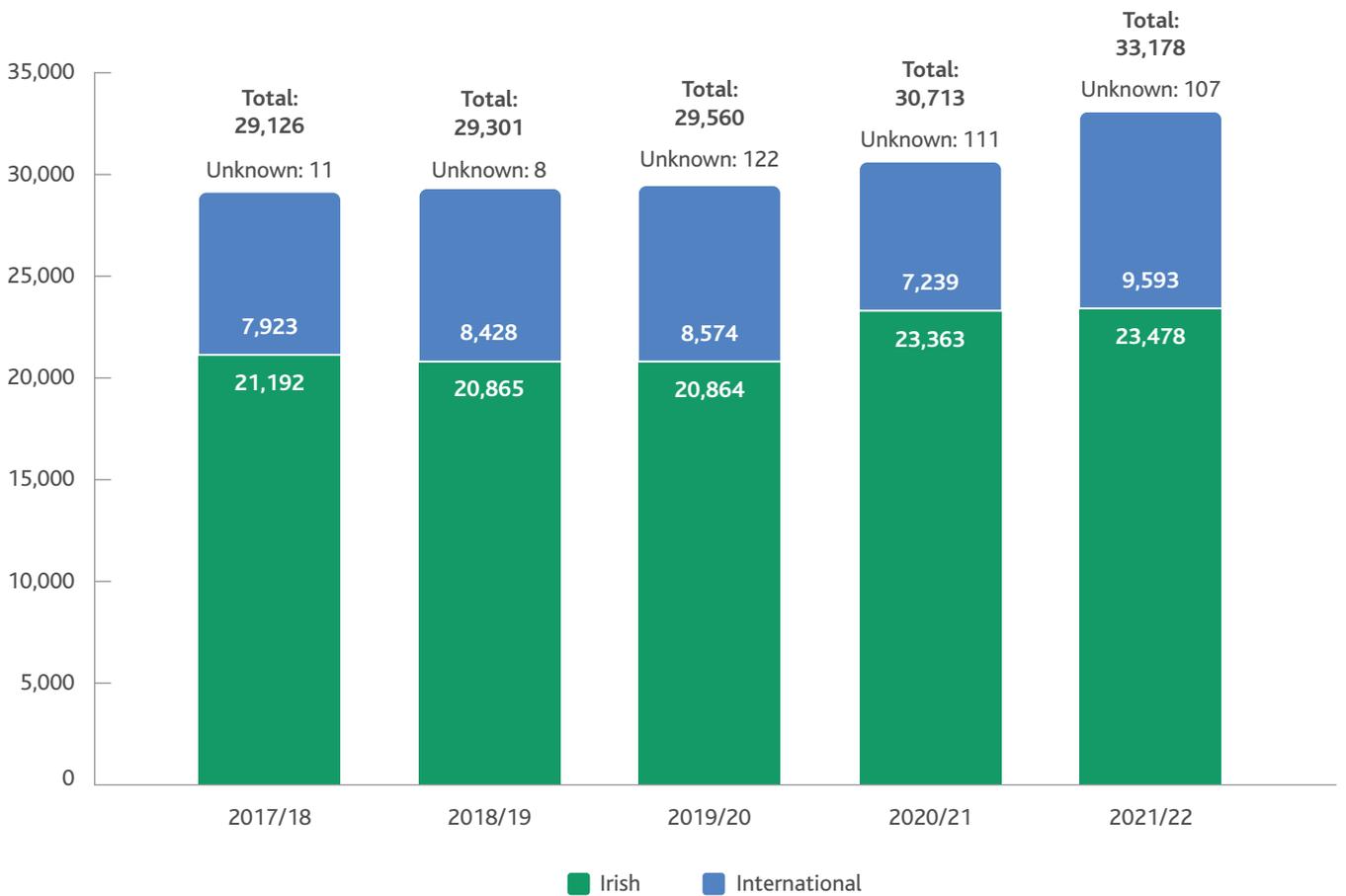
Student Statistics Ireland Campuses



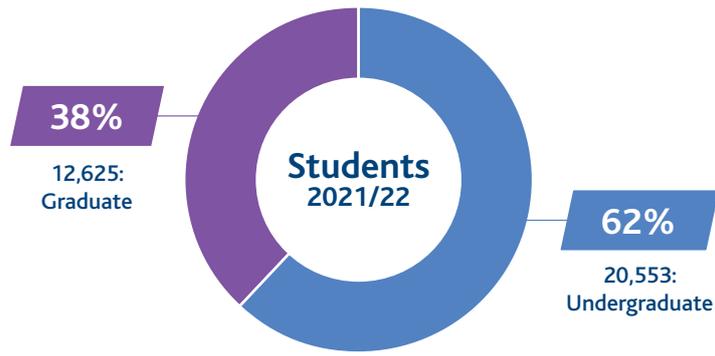
Student Statistics Overseas Operations



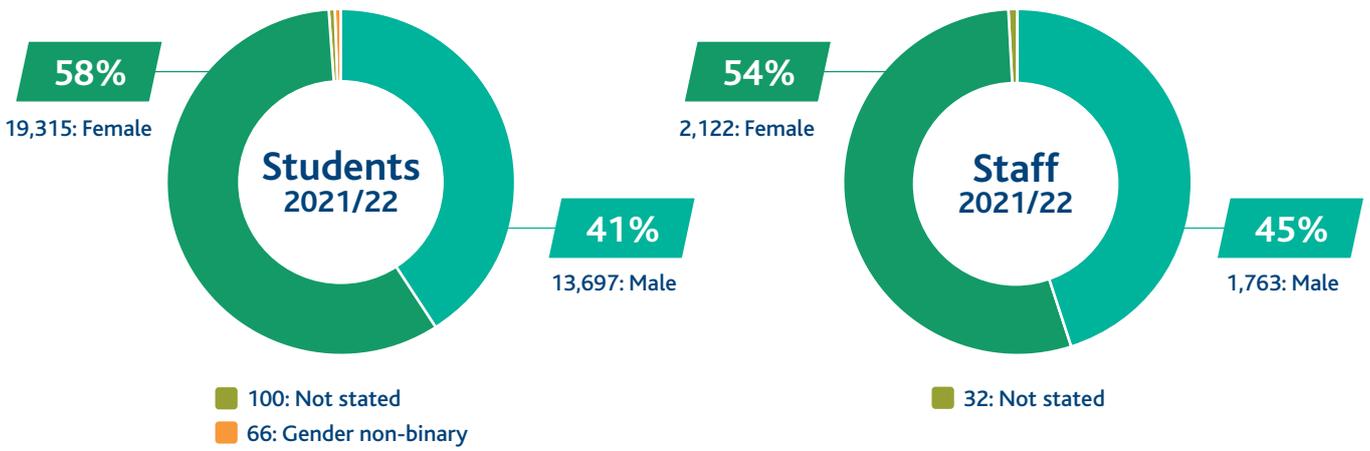
Students in Ireland



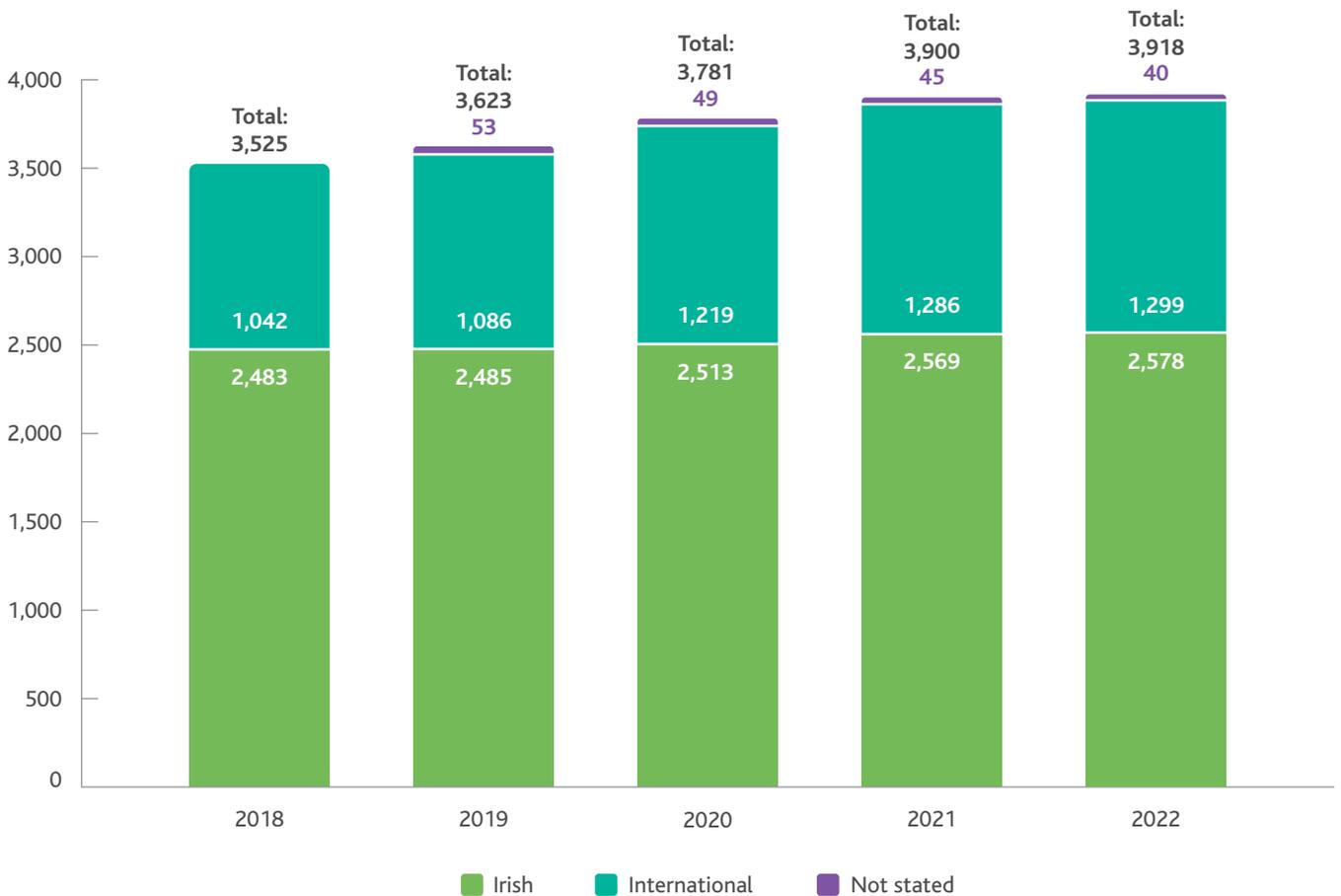
Undergraduate/Graduate Breakdown



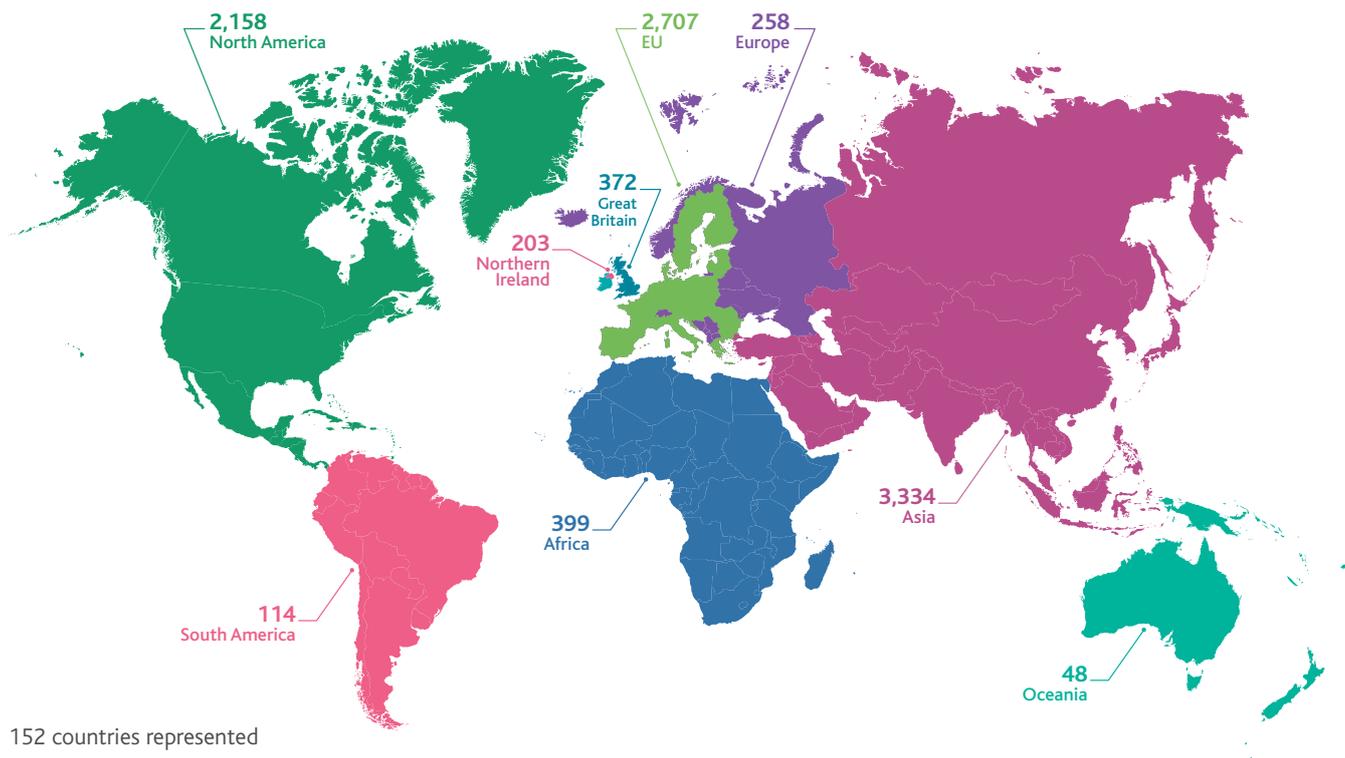
Female/male Breakdown



Staff Statistics in Ireland



International Students by Region 2021/22



Undergraduate and Graduate Numbers by Discipline Ireland 2021/22

	Undergraduate	Graduate	Total
Generic programmes and qualifications	263		263
Education	28	1,883	1,911
Arts and humanities	3,437	477	3,914
Social sciences, journalism and information	2,164	1,180	3,344
Business, administration and law	3,815	2,843	6,658
Natural sciences, mathematics and statistics	2,498	1,169	3,667
Information and Communication Technologies (ICTs)	655	729	1,384
Engineering, manufacturing and construction	1,801	1,097	2,898
Agriculture, forestry, fisheries and veterinary	1,820	522	2,342
Health and welfare	3,948	2,711	6,659
Services*	124	14	138
Grand total	20,553	12,625	33,178

Figures are classified under the International Standard Classification of Education (ISCED) as used by the Higher Education Authority (HEA) and more widely to facilitate comparison of education statistics across countries on the basis of uniform and internationally agreed definition.

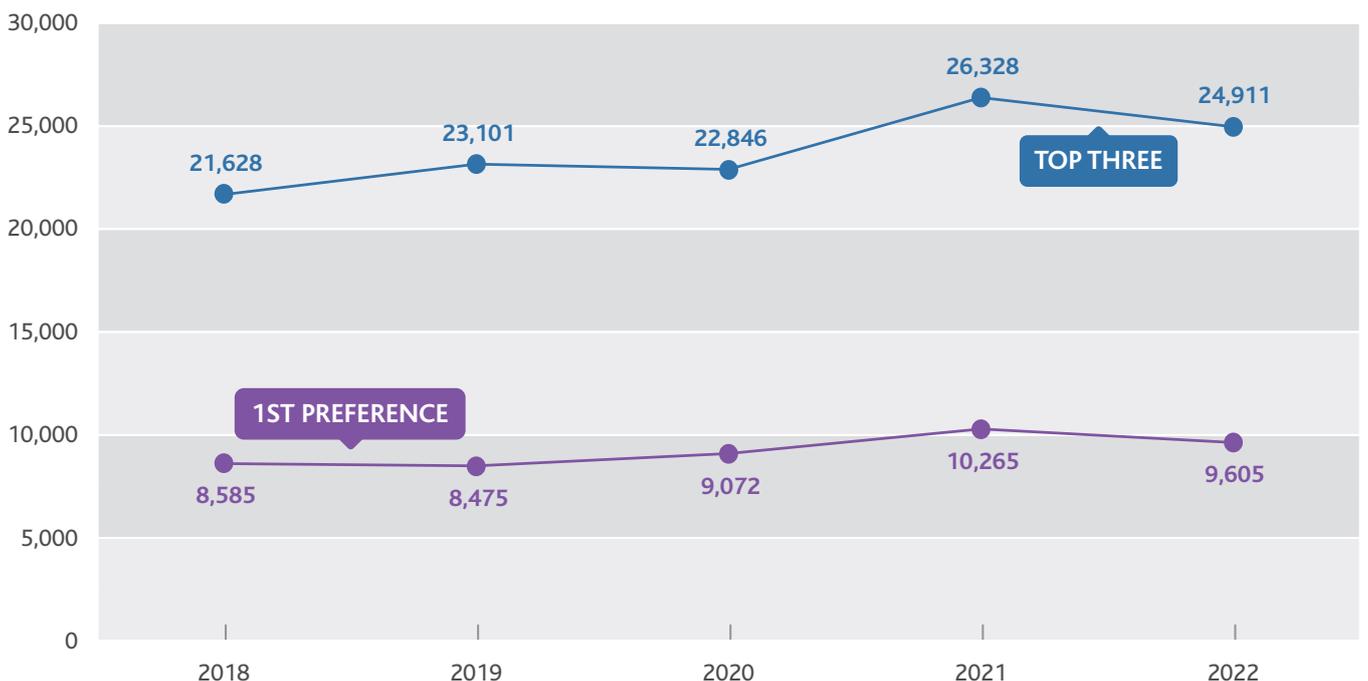
* Services include programmes such as Safety and Health at Work.

Top 20 Countries UCD Alumni*

 216,336 (1) Republic of Ireland	 3,192 (8) Germany	 1,028 (15) Malaysia
 15,281 (2) United States	 3,190 (9) France	 961 (16) Belgium
 14,470 (3) Singapore	 2,491 (10) India	 935 (17) Netherlands
 11,057 (4) United Kingdom (England, Scotland, Wales, Northern Ireland)	 2,337 (11) Australia	 713 (18) Switzerland
 6,857 (5) Sri Lanka	 2,220 (12) Spain	 474 (19) United Arab Emirates
 4,912 (6) China	 2,162 (13) Canada	 427 (20) Austria
 3,325 (7) Hong Kong	 1,438 (13) Italy	

* Alumni for whom we hold contact details

CAO 1st Preferences



EDUCATION AND STUDENT EXPERIENCE



Introduction by the Acting Registrar and Deputy President

I am delighted to introduce you to the wide range of achievements and exciting developments delivered under Education and Student Experience this year. Striving for excellence and innovation in all that we do is at the heart of the UCD student experience.

THIS WAS A YEAR IN TRANSITION as we began our return to in-person teaching within the context of Government health guidelines. Despite uncertainties UCD saw innovations in teaching and assessment continue, utilising learnings from the pandemic. For example, the flexibility of blending in-person with online activity allowed UCD to offer new students a high-quality orientation experience and our peer mentor programme was delivered through a hybrid model.

In support of in-person teaching the COVID-19 Surveillance Group steered the distribution of HEA-funded free antigen tests to UCD students to stimulate and encourage self-testing for COVID-19. Over 80,000 of these kits were provided to eligible students from collection points across the Belfield and Blackrock campuses from January through to May. This initiative was critical to raising awareness on the spread of the virus and encouraging students to adhere to public health guidelines.

As the pandemic continued into 2022, UCD Open Days, led by UCD Registry, continued to be online providing prospective students with access to information about our programmes and facilities, with 6,587 registrations, ninety presentations, fifty-five exhibition stands, live chat with students and staff and virtual campus tours. The Open Day displayed the collaborative efforts of the wider UCD Community. The event also had a significant global reach with 8% of the audience from a non-EU background. Due to the easing of government restrictions February saw a return of the UCD Postgraduate Open Day to the campus with over 550 registrations. This was an opportunity to engage face-to-face with staff and students.

Other key activities mapped to the UCD Education and Student Success Strategy continued to be delivered. In Autumn 2021, the Library initiated an ambitious project to support the growing student population by increasing the availability and quality of study spaces in the James Joyce Library. This summer UCD IT Services upgraded the hardware of almost two hundred devices (over 50%) in the teaching computer laboratories.

In conclusion, I would like to thank the UCD community for their sustained commitment to excellence in our programmes and student support within the context of the uncertainties the pandemic presented. Collectively we demonstrated resilience and continued to deliver on our Education and Student Success Strategy supported by the leadership of the Dean of Undergraduate Studies, the Dean of Graduate Studies and the Dean of Students. My personal thanks to UCD Access and Lifelong Learning, Ad Astra Academy, Agile, Careers Network, Graduate Studies, IT Services, Library, Quality, Registry, Student Advisers, Student Engagement, Conduct, Complaints and Appeals, Student Services, Teaching and Learning and the University Secretariat for making UCD an excellent place for our students to study, grow and be active members of our community.

A handwritten signature in black ink that reads "Barbara Dooley".

Professor Barbara Dooley
Acting Registrar and Deputy President

A Student-Centred Educational Experience

Academic Advising

Our HEA-funded projects on developing and piloting different approaches to academic advising concluded in May. A key strength of the projects was the student-centric focus, with meaningful engagement in the design and/or implementation of the projects. All seventeen projects are showcased through UCD Teaching and Learning, details are available on their website. Under a separate strand of the initiative a university-wide consultation process was conducted to capture the perspectives and experience of students and faculty. The outputs of the consultation, along with a specially commissioned literature review, international benchmarking and institutional data, fed into the development of a definition, objectives and principles of academic advising for UCD. Work to support academic advising in the wider university context will continue over the next year.

Strengthening Partnerships with Students

A new Student Representation and Partnership Agreement was developed in consultation with the UCD Students' Union. It expands and strengthens the University's commitment to partnership outlined in the Student Charter and sets out a shared vision for student representation. It includes principles to guide a shared approach and outlines the responsibilities of both the University and the Students' Union. To support the agreement a Student Partnership Forum will be established with membership from the academic and professional staff, SU sabbatical officers, SU class representatives, and other student leaders, such as peer mentors, sports clubs and student society leaders.

In November we held a University for ALL seminar in the Museum of Literature Ireland (MOLI) themed, 'From Consultation to Collaboration: The Student Role in Creating a University for All', it explored the power of the student voice in creating systemic

change and showed how students have disrupted thinking and moved thinking beyond 'opening doors' to participating, informing and shaping every aspect of university life. This hybrid event was attended by over two hundred participants and the keynote address was given by Simon Harris TD, Minister for Further and Higher Education, Research, Innovation and Science.

Preparing Students for the Workplace and Life beyond the Classroom

This year we delivered another exceptional series of large-scale recruitment fairs with 230 employer stalls, 23,156 stall visits by students and 3,031 job applications started. While large-scale fairs remain at the centre of UCD's employer engagement strategy, in May we also offered a facilitated conference specifically targeted at the small and medium sized employer sector. It was developed in consultation with IBEC, Enterprise Ireland, Dublin Regional Skills and ISME with key expert speakers and panels speaking to three key themes: sustainable leadership in the SME sector; digitalisation of the workplace; and talent acquisition and development.

The UCD Careers Network website continues to be busy with 31,071 unique website users recorded between August 2021-July 2022. 11,000 students used CV360 and almost 5,000 students availed of online, AI-assisted mock interviews. In addition, 804 students applied for jobs advertised through the MyCareer vacancy portal and 914 employers have registered to advertise roles through MyCareer.

The UCD Advantage Award gives students recognition for skills, knowledge and experience gained through participation in co-curricular activities, and this year the number of registrations and completion rates was higher than any previous year. Feedback showed that 91% of students reported feeling more confident in articulating their skills in new situations and 100% reported that they would encourage other students to complete the award.



Prof Jason Last, UCD Dean of Students, welcoming new students at UCD Orientation 2021.

Teaching and Learning Annual Symposium

This year's symposium took place in April on the topic of active learning and was attended by over 100 members of UCD faculty and professional staff. This was the sixth annual and the second delivered online with keynote speakers joining from London and Birmingham. The importance of active learning in the post-pandemic context was highlighted. The keynote speakers illustrated the huge scope of authentic learning for generating student creative and novel thinking in tackling real-world challenges. With the pace of change often outstripping the curriculum, the importance of lifelong education was highlighted. Discussion covered active learning classroom strategies that engage students in meaningful tasks and are easy to implement with classes of any size, and featured case studies within UCD.

Qualifications in University Teaching

Growing numbers of UCD faculty are developing their teaching by enrolling in University Teaching and Learning Programmes. Participants can fit the programme to their schedule by choosing the number of modules they embark on, building to three different awards over time. A new module 'Leading in Teaching and Learning' will be added to the suite from September 2022, broadening the groups of colleagues who can benefit from the programmes. There were seventy-six graduates this year.

Developing Teaching, Learning and Assessment Approaches

The 2022 Technology Enhanced Learning (TEL) All event was entitled *Blended Learning as the New Normal: Effective Face-to-Face and Online Learning*. Faculty across UCD shared their experiences of teaching and assessing online. In addition, a student panel shared their experience of learning both online and face to face. The diverse talks included: The transition from online to blended in an undergraduate accountancy module; Peer assessment of communication skills among dietetic students; Access and UDL in a blended learning format; Group work and participation in blended learning; and Labs through a lens: improving access to practical

495

graduate places in UCD are funded under the Springboard+ programme, which is co-funded by the Government of Ireland and the European Union

elements of environmental engineering. The 2022 TEL All webinars were delivered by School-based Educational Technologists who shared their pedagogical and technical expertise. These lunchtime webinars were delivered online and offered practical advice and used cases from Educational Technologists. This year's webinars covered: using Brightspace effectively; providing feedback; managing groups; creating accessible content with PowerPoint and using Peer Scholar for peer assessment in Brightspace.

As the pandemic disrupted traditional forms of assessment, UCD adapted by introducing a range of digital assessment strategies. Post-pandemic, many faculty have continued to adapt and innovate their assessment strategies and have been supported to do so through the University's development of comprehensive resources which provide guidance on online and in-person assessment types including academic integrity.

In June, we surveyed students who sat examinations in May to seek feedback on their experiences on a range of topics including the exam hall environment, type of exam, support received and wayfinding. The outputs from the survey will inform enhancements to future examination sessions. Over 70% of respondents were satisfied with their experience, which is comparable to 2019 the last time the survey was conducted.

Promoting Teaching, Learning and Innovation through HEA Funded initiatives

UCD received funding for 495 graduate places under the Springboard+ programme, which is co-funded by the Government of Ireland and the European Union. UCD's programmes spanned Innovation, Healthcare Risk Management, Digital Transformation, ICT and Transversal skills. The initiative ensures that students who are unemployed or are returning to the workplace are provided with partial or complete funding to upskill for the modern workplace.

Under the Human Capital Initiative Pillar 1, six UCD Schools have developed micro-credentials. UCD Micro-credentials are short, accredited courses designed to meet industry needs and the national skills gap, providing a high-quality, flexible, learning experience for individuals seeking to upskill, reskill or pivot in their careers. Under Pillar 3 (Innovation and Agility), UCD is also participating in the Recognition of Prior Learning (RPL) project. A key goal of the project is to make the RPL an integral and vibrant part of higher education, offering lifelong learning opportunities of discernible value to learners and enterprise.

Through the Programme for Access to Higher Education (PATH) 3 Cluster, UCD chairs the multi-agency consortium, comprising



Dr Anna Kelly, UCD Access and Lifelong Learning; Prof Mark Rogers, Acting UCD President; Dr Bairbre Fleming UCD Access and Lifelong Learning; and Dr Tom Tobin, University of Wisconsin-Madison.

TCD, NCAD, MIE, IADT, RCSI, UCD, DEIS schools, Further Education Colleges and AONTAS, to collectively deliver a €2 million programme to increase access to higher education for under-represented groups. The Cluster has secured agreement on implementation of a revised strategic approach for 2022-2024 to oversee the funding for the five workstreams, i.e. 1916 Bursaries, Creative Arts Summer School, Open Learning, Mentoring and Dublin Learning City.

Student Engagement, Diversity and Wellbeing

Widening Participation, Engagement and Leadership

The UCD ALL Welcome Programme invited 1,500 incoming access students to participate in an Access Welcome. This hybrid event, held in September, was co-created, and delivered by the Access and Lifelong Learning team and student Access Leaders, with input and support from UCD Estates, UCD Admissions and the Programme Offices. The purpose of the programme is to provide a head start to new access students, build their campus confidence and social networks, signpost key information, support, resources and complement their Programme Orientations.

The UCD Access Leader programme continued, with a further 157 participants recruited to work as role models, inspire future generations, and ensure that the student voice forms part of access discourse at university committees and fora. These student leaders develop key skills in mentoring and guiding potential and current students, to enhance their educational experience.

A range of mentoring events took place, including the first in-person student experience days since 2019, held in March with 270 prospective students joining current students to experience life on campus. The Future You mentoring programme was offered to 270 participants, with four in-school visits, as well as a campus visit in April.

Over 150 students participated in the UCD Summer Schools, and the Edna O'Brien Creative Writing School. A project, in conjunction with UCD School of Education, was awarded HEA funding of €43,572 to undertake to identify where and how UCD can support increased participation by members of the Traveller community.

This year 428 Cothrom na Féinne scholars continued their studies at all levels. A further 197 new access students were awarded scholarships, including 140 undergraduates, forty-nine sanctuary scholars and eight graduate students. Five students were awarded the NUI Grant Scheme for Students with Disabilities (O'Brien Bequest), two were awarded the NUI Scholarship for socio-economic disadvantage, while forty-four received 1916 Bursaries.

Access Pathways

UCD has a clearly articulated and coherent quota for six access pathways to undergraduate degree programmes. We have developed KPIs that commit the University to achieving 33% of undergraduates from target equity groups including low income, disability, mature, part-time and further education. Considerable progress has been made to date, with several access pathways into undergraduate programmes and a quarter of all undergraduate places targeted for these pathways. Visibility and data sharing have led to a year-on-year increase in the number of access accepted



ALL Access Leaders enjoying a well-deserved ice-cream break at the University for All Symposium in May 2022 (l-r) Anu Bode Favours, Goodness Ogundare, Roise Joyce, Favour Ogundare and Junaid Abdulkarim.

The UCD Access Leader programme continued, with a further 157 participants recruited to work as role models, inspire future generations, and ensure that the student voice forms part of access discourse at university committees and fora

places. This year a total of 879 access targeted places were accepted.

UCD's flexible programme, Open Learning, is designed to enable progression to 13 degree programmes. This year, 432 module registrations were processed for 173 students enrolled in the Open Learning Programme. Fourteen students completed the Open Learning Certificate 2021/22, of which twelve were offered a place in one of the thirteen progressions pathways available in UCD.

Guidance and Support

Support services to students continued to be delivered to a high level in a hybrid environment and student satisfaction with the services provided remained high with 82% of users finding the service good or excellent. Considering the public health emergency, the UCD allocation of funds from the Student Assistance Fund also increased to €1.43 million. UCD Student Advisers were responsive to the individual needs of students in managing the disbursement of funds to socio-economically disadvantaged students and to students facing emergency situations, and all eligible students who made an application received funding.

Hosted by the UCD School of Veterinary Medicine, the UCD Live Engagement and Attendance Project (LEAP) continued to



UCD Musical Production 'Once' live at the Astra Hall, UCD Student Centre.

develop digital student support resources. In January, following the successful implementation of a pilot system, LEAP worked with UCD IT Services and D2L/Brightspace to design a monitoring and reporting tool on the DOMO platform. This tool aims to optimise Brightspace as a student intervention pathway by monitoring real-time engagement activity, thereby supplementing Student Advisers' ability to identify student disengagement and reach out to support them. This year the tool was rolled out to the UCD College of Science and plans are in place for the coming academic year to roll it out to the UCD College of Arts and Humanities.

Health and Wellbeing

The UCD Student Health Services Team were recipients of a 2021 UCD Values in Action Award for their outstanding contribution to UCD. They were nominated for their valued response to the COVID-19 pandemic. When the need was greatest the team displayed collegiality, creativity, dedication and integrity by developing initiatives to support students. Their dedication allowed the service to remain open to meet the healthcare needs of students throughout the pandemic. The team displayed creativity in developing new communications initiatives, including a social media platform providing accurate and up-to-date information on COVID-19.

The UCD Student Counselling team continued to deliver an excellent service providing over 11,000 student counselling appointments, the largest in the Service's history. UCD Chaplaincy continued their work providing support to those from all faiths and none, and their bereavement support groups, and Inner Life Mental Health Talks were invaluable in supporting the UCD community. The UCD Student Services team hosted the 2022 Irish Student Health Association Educational Conference and AGM in February. Delivered as an online seminar, delegates were addressed by Simon Harris TD, Minister for Further and Higher Education, Research, Innovation and Science who thanked them for their dedication to delivering frontline care to students.

The UCD Student Health Services Team were recipients of a 2021 UCD Values in Action Award for their outstanding contribution to UCD. They were nominated for their valued response to the COVID-19 pandemic

Societies, Community and Campus Life

As students returned to campus, UCD Societies produced a successful online recruitment campaign, which at the same time encouraged and facilitated societies to resume in-person events in accordance with guidelines throughout the academic year. With eighty-three societies, over 15,000 members and more than 4,000 events registered for 2021/22, student activity was well and truly back to the forefront of the student experience. Notable achievements include: the Medical Society raised €29,284 for Aobhneas on Med Day 2021; four students reached the final of the Irish Times Debate Competition; the UCD Musical returned to in-person productions with a weeklong run of 'Once the Musical' in the UCD Student Centre; while the UCD Arthur Cox Women in Leadership Conference was held in-person in O'Reilly Hall.

We were pleased to invite members of the UCD Community to show their support for Ukraine by attending a wonderfully assembled Music Aid Concert. There were stellar performances on the night by Student Societies, which included DanceSoc, JazzSoc, TradSoc and MusicalSoc amongst others. All proceeds went to the Irish Red Cross Ukraine appeal.

Sport and Performance Facilities

UCD's newest state-of-the-art artificial playing pitch was launched in September in advance of welcoming students back on campus. The original 17-year-old pitch surface was replaced through a co-funding partnership with the Leinster GAA Council who played host to a multitude of student games and community events in UCD throughout its lifespan. Outdoor pitches in UCD host over 12,000 hours of pitch usage every year and this most recent redevelopment will enable students, staff and the wider community to continue their activity endeavours all year round. The new artificial pitch surface at Devlin Park incorporates a high-specification shock pad, sand infill, rubber infill and layer of synthetic turf. The state-of-the-art pitch will allow for a significant increase in participation to assist in the University's efforts of growing student and community engagement.

As we approached the finish line in the construction of UCD's new world-class Athletics Track, staff in UCD Student Services worked diligently in overseeing final completion works in anticipation of launching this incredible facility for the 2022/23 academic year. Great excitement is building for the track's official opening, with this superb new amenity being at the heart of UCD's ever-evolving Sport and Recreation Precinct.

The UCD Soccer Club visited China when the Club's 1975/76 freshman squad toured the Far-East over a five-week period in 1976.

The tour was organised by coach and aspiring sports administrator Tony O'Neill (The Doc) and led by the President of the Club, David Andrews TD. To mark this historic event, twenty-three of the twenty four 1976 playing squad travelled from all parts of the globe to attend the 46-year reunion in the UCD Student Centre O'Neill Bar.

Throughout November, UCD played host as a training venue to all three visiting international teams for the 2021 Autumn Rugby International Series: Japan, New Zealand and Argentina. The visitors were made to feel at home through the planning, agile event management and collaboration of staff from UCD Student Services, UCD Estates and UCD Sport and Fitness.

The UCD National Hockey Stadium hosted an exciting week of international hockey with Ireland's senior women's squad facing Japan on four occasions as part of final preparations for July's World Cup. In addition, UCD's National Hockey Stadium hosted the Under-23 5 Nations tournament with Ukraine, the Netherlands, USA, and India competing, making for seventeen international fixtures in June. UCD was also the venue for the opening of the 41st edition of MayFest, an annual multi-sport activity weekend for people who are blind and vision impaired. UCD Sports Facilities were thrilled to welcome over 350 participants, their families and friends, and volunteers across the weekend for the first in-person MayFest since 2019.

UCD also welcomed neighbours, Kilmacud Crokes GAA Club for their Summer Festival of Football. A total of thirty teams representing 10 GAA Clubs across Ireland travelled to UCD for Kilmacud Crokes GAA prestigious annual event. The tournament put the skills these young athletes were learning and developing each week into practice in a fun-filled day while ensuring they had an experience that will live long in their memories.

Enhancing the Graduate Student Experience

Strategy and Action Plan

This year we published our new Graduate Studies Strategy and Action Plan 2021-2025. This key document provides UCD with the roadmap to deliver the University's strategic objectives for our graduate research students and underpins our core mission to bring students into an accountable, research-enriched, student-focused learning environment. It will also focus the University's role in supporting student academic advancement and personal and professional development, as well as providing effective oversight of graduate education quality processes and procedures. The Strategy and Action Plan outlines the key initiatives we are taking under the four themes of the UCD Strategy for Education and Student Success 2020-2024 with eight strategic objectives, which cover a range of areas critical to the education of our graduate research students, from professional development and career readiness in the PhD, to supporting excellence in research supervisory practice.

Promoting Research Supervisor Support and Development

In addition to the 'UCD Research Supervisor Support and Development Programme' which continued to run online and in-person in 2022, this year UCD proposed and led the first IUA collaborative Webinar Series for research supervisors across the network. Through the National Forum for the Enhancement of Teaching and Learning in Higher Education, funding was secured for external expert participation in the programme launch, and from December to May, each of the eight partner universities contributed webinars on topics relevant to research supervisors. The success of this pilot event led to the concept of the 'IUA Research Supervisor Symposium' which UCD plans to host next year. Complementary to our supervision programmes which are open to all, this year



Dominic O'Keeffe, UCD Director of Student Services and Facilities and Michael Reynolds, Leinster Council GAA Secretary with UCD Student GAA Athletes, Leah Butler (Dublin Camogie), Saoirse Lally (Mayo Ladies Football), Dara Purcell (Dublin Hurling) and Cormac Egan (Offaly Football) at the launch of the new artificial Devlin Park pitch surface.

UCD Graduate Studies designed a bespoke, online programme 'Fundamentals of Research Supervision at UCD' for both new and established members of UCD faculty.

Welcoming New Students

Our annual welcome event for Graduate Taught Students 'GradsCONNECT' was offered online, and in September an in-person orientation for Graduate Research students was attended by more than one hundred students. The event was repeated in February for January-start students. The event included contributions from faculty, professional staff and current research students. These are important dates in the calendar for our Graduate Research students as they provide key information on what they can expect from UCD, what the University expects from them and the comprehensive support UCD provides over the course of their studies.

Developing the Skills of our Doctoral Students, Events and Competitions

In 2022, UCD partnered with '23 Things' for the first time. 23 Things International is a unique global online programme which introduces Graduate Research students to research tools for all disciplines as well as profile building opportunities. It also provides students with opportunities to network with international researchers. Students were invited to register through the UCD Graduate Studies website.

Our annual, ThesisIn3 competition was an immense success and offered another year of stimulating talks. The winner Tara Brady, UCD School of Medicine captured the audience's attention with a talk titled 'An apple a day may keep the respiratory doctor away'. We are delighted that following her success, Tara went on to represent UCD at the Universitas 21 international competition. Following the hugely positive response last year, we held 'Visualise Your Thesis' for the second time. This innovative approach to communicating research has proved to be extraordinarily successful for conveying complex topics. This year's winner was Rachel Healy, UCD School of Art History and Cultural Policy with a video entitled 'Portraits of Giorgio Cornaro and his heirs: Resolving issues of identity, authorship and patronage in renaissance Venice'. Rachel will go on to represent UCD at the international online showcase hosted by the University of Melbourne.

Together with the UCD Students' Union and the UCD Writing Centre, UCD Graduate Studies delivered WOW (Writing on Wednesdays) which offered guided online sessions supporting doctoral student writing in Trimester 1 and 2. Doctoral writing was also supported for late stage students with the ever popular Thesis Boot Camp.

In 2022, UCD partnered with '23 Things' for the first time. 23 Things International is a unique global online programme which introduces Graduate Research students to research tools for all disciplines as well as profile building opportunities

To further improve our supports for graduate research students, we reviewed our Transferable Skills portfolio of workshops. This process identified workshops appropriate for Stage 1 and Stage 2 students, which were delivered in a blended format in 2022.

Promoting Quality Assurance and Excellence in Governance

Academic Governance

The newly constituted UCD Academic Council met for the first time and the UCD University Secretariat provided an induction for all members as part of its ongoing support. As a continuation of this restructure, the Academic Council's terms of reference (and those of its Executive Committee) were revised. Due to disruptions caused by COVID-19, virtual meetings were held as necessary and the Academic Council continued to concentrate on the impact of the pandemic on students; of note it approved amendments to the Assessment Code of Practice to facilitate the use of online assessments and to amend the UCD Exam Regulations to make practical provision for students affected by COVID-19 during the examination period.

Responding to our Institutional Quality Review

As we continue to implement the recommendations of our recent Institutional Review, oversight and reporting against progress has moved from the Institutional Review Steering Group to our Academic Council (the Academic Council Quality Enhancement Committee). This will both enhance the effectiveness of our procedures across university activities and embed our approach to quality assurance. It is an ongoing process that will be monitored by the University through annual reporting to the University Management Team and Governing Authority

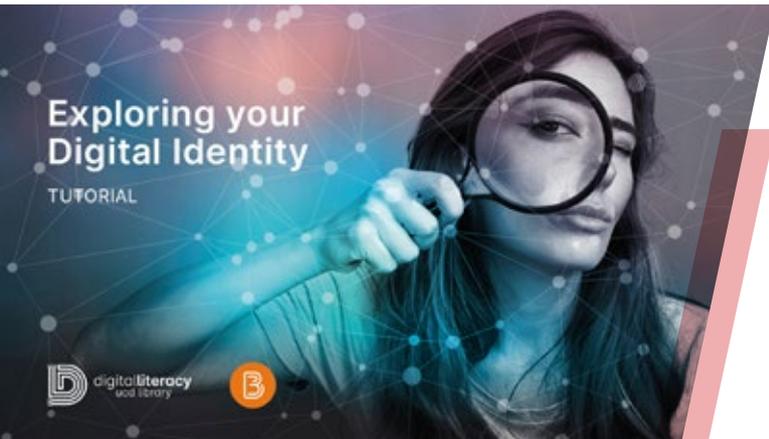
Legislation and External Quality Assurance Frameworks

In collaboration with QQI, Designated Awarding Bodies led by Directors of Quality, developed a Joint Protocol supporting the operation of the Irish Register of Qualifications (IRQ). Approved by UCD in April, UCD Awards and those of its linked providers are now registered on the IRQ.

Quality Reviews and Good Practice

This year quality review site visits took place in UCD Finance Office, National College of Art and Design, UCD School of Chemistry, UCD School of Biology and Environmental Science, UCD Library, UCD School of Philosophy, UCD School of Geography, UCD School of Politics and International Relations, and the UCD School of History. The site visits were conducted virtually using Zoom. We continue to monitor the profile of our review groups to ensure that they support the University's objective of building our engagement locally, nationally, and internationally (UCD Strategy 2020-24) and reflect University policies such as Equality, Diversity and Inclusion, and Leadership Development. Key themes arising from review group reports included COVID-19 impacts on teaching and learning, assessment, programme delivery, student placements on professional programmes, workload models and research support on funding applications.

In line with our Quality Assurance and Quality Enhancement policy, the UCD Quality Office developed a Handbook for Quality Reviews for Schools and work has now commenced on developing a new Handbook for Quality Reviews of professional units.



Digital Literacy at UCD Library

Delivering Library, Information and Knowledge Management Services

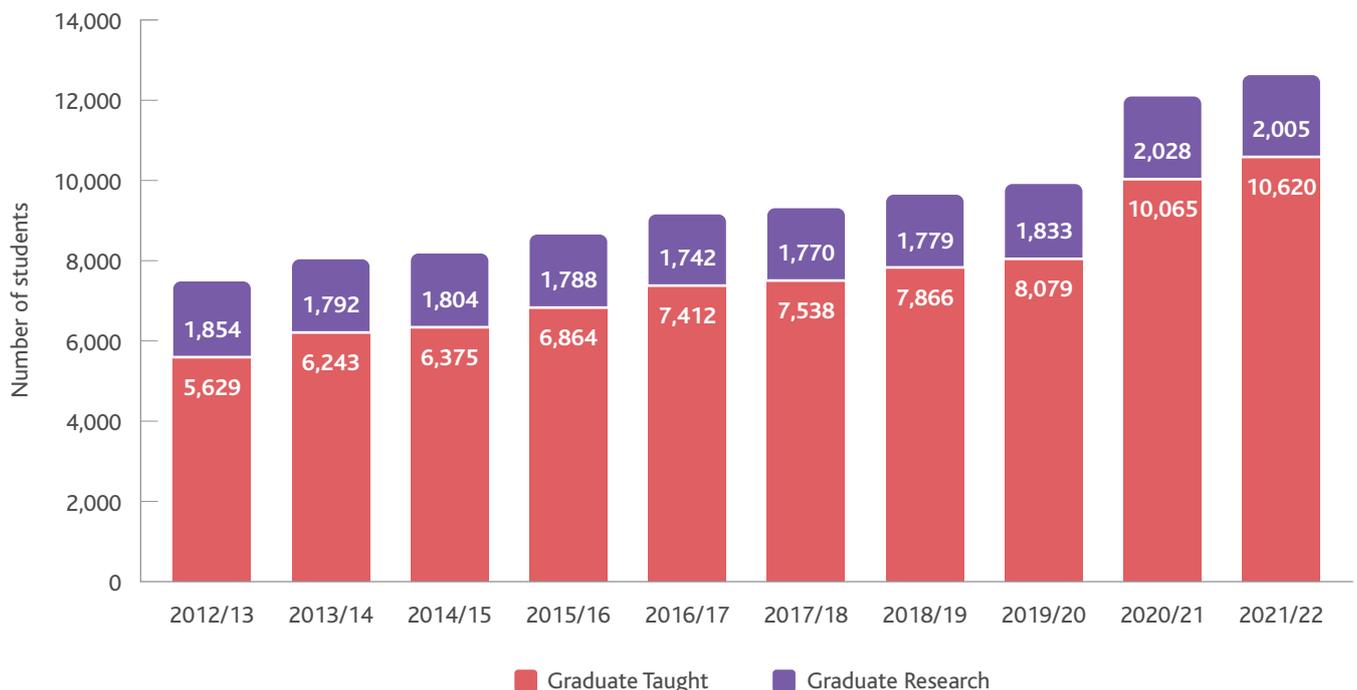
Library Visits

Although COVID-19 restrictions were still in place during the 2021/22 academic year with reduced activity on campus, UCD Library was busy supporting students both online and in-person.

There were a total of 943,134 visits to the five library sites and 34,572 queries answered by staff at the information desk, via the online chat service and email. Library staff also continued to deliver classes to students in the ongoing blended learning environment, with 110 online sessions and ninety in-person classes.

Digital Literacy

This year UCD launched a digital literacy initiative aimed at empowering staff and students to acquire key digital competencies for academic and personal success. The initiative incorporated a students-as-partners approach to create a digital literacy framework focused on five themes: Finding and using digital information and data; Understanding digital identities and practices; Creating and communicating digital information; Thinking critically and evaluating digital information and data; and Collaborating and sharing in digital spaces. We also developed an extracurricular, self-paced, fully online module 'Exploring Your Digital Identity', available to all students and staff via the VLE Perpetual Semester section. The module was launched as a pilot in Spring 2022, with 85 registered students and staff from UCD College of Engineering and Architecture and UCD College of Science.





Left: A new collection entitled Irregular News: Civil War and Republican ephemera was made available on the UCD Digital Library. This material, which relates to the revolutionary period, was collected by the Irish Franciscans and was originally held in their friary on Merchants Quay, which is located across from the Four Courts. Right: Dr Sandra Collins, UCD Librarian and Liz Kelly, Director of Poetry Ireland pictured at the Poetry Jukebox launch in St Stephen's Green, Dublin – in June the Irish Poetry Reading Archive at UCD Library launched an island-wide Poetry Jukebox tour as part of the Poetry as Commemoration initiative. Jukeboxes contain recordings of poems about the events that shaped Ireland 100 years ago. Poetry as Commemoration is a Decade of Centenaries project supported by the Department of Tourism, Culture, Arts, Gaeltacht, Sport and Media.

Supporting Research Activities

UCD signed local Open Access (OA) publishing agreements with John Benjamin Journals and The Geological Society which provide unlimited OA publishing for UCD researchers. There are now twenty-five open access publishing agreements in place, which support UCD researchers to maximise their impact, comply with funder requirements and provide more equitable access to UCD research.

Further enhancement of the Library's support for Research Data Management included the initiation and roll-out of a new service, DMPonline, to help researchers create Data Management Plans, funded by the UCD EQUIP scheme. UCD Library collaborated with UCD Research on the new 'Promote Your Research' website which provides a comprehensive suite of resources to assist researchers with increasing the impact of their research. We also designed and delivered a new research skills programme, the UCD Library Research Toolkit, is specifically to the needs of doctoral students in consultation with UCD Graduate Studies.

Cultural Heritage

UCD Special Collections initiated a two-year all-island project funded by the Department of Tourism, Culture, Arts, Gaeltacht, Sport and Media, in partnership with Poetry Ireland. This

UCD Special Collections initiated a two-year all-island project funded by the Department of Tourism, Culture, Arts, Gaeltacht, Sport and Media, in partnership with Poetry Ireland. This incorporates a major programme of public engagement including the launch of the Poetry Jukebox in Dublin, Cork and Waterford and the roll out of a series of creative writing workshops

incorporates a major programme of public engagement including the launch of the Poetry Jukebox in Dublin, Cork and Waterford and the roll-out of a series of creative writing workshops for adults and children inspired by documents relating to the War of Independence and Civil War.

The Special Collections team also produced the exhibition 'Revolutionary Dublin's Literary Networks: C.P. Curran, Helen Laird, and James Joyce's Ulysses'. The exhibition was funded through the UCD Decade of Centenaries and highlights the connections and friendships between Constantine Curran, Helen Laird and James Joyce, and their wider place in Dublin society. The UCD Digital Library has made available online for public access, 133 James Joyce related letters from the Curran Laird collection including twenty-five letters written by Joyce himself.

An exhibition entitled 'Into the Island' exploring the life and significance of the celebrated storyteller, Peig Sayers, opened at MoLI in July. This exhibition is a collaboration between the NFC and MoLI, and includes artefacts, manuscript material and audio samples provided by UCD. The exhibition will run until the end of 2022.

Increasing Agility and Effectiveness

Post-Pandemic Hybrid Working

During the pandemic, we established the Remote Working Group, a community of 320 professional staff from across the University. The Group connects Colleges and Schools with each other and with colleagues in central units such as UCD Registry, UCD IT Services and UCD Finance. This year the Group continued its work by supporting hybrid working.

The Work Smarter Together (WST) Summer School, also focused on hybrid working and ran over three days in July with fifteen sessions

presented by colleagues from nine units. Over 170 attendees took part in sessions which included 'Digital Office: Hybrid IT Checklist', 'Writing the book of Hybrid Ways of Working', and 'WST Case Study: University for All Hybrid Symposium'. Aimed at connecting central units and frontline staff, information workshops were also delivered in Spring, with participation from Student Records, Admissions, UCD Global and UCD HR. Almost 300 staff attended the sessions, with fifteen presenters from the contributing units.

Rising to the Future – Enabler 4

As part of the digital transformation of our operations, the Programme for Operations and Services Transformation (POST) was launched in May. POST will help us to determine how best we can use workflow and service to simplify and reduce the burden of routine tasks, freeing staff time and enhancing experience.

The Work Smarter Together (WST) Summer School, also focused on hybrid working and ran over three days in July with fifteen sessions presented by colleagues from nine units. Over 170 attendees took part in sessions

Incoming Undergraduate Degree Students

	2017/18 entrants	2018/19 entrants	2019/20 entrants	2020/21 entrants	2021/22 entrants
Under-represented entrants	744	887	985	1,118	1,098
Mature entrants	248	242	254	258	259
Mature Years HEA Support only	92	87	85	86	242
Mature Years Support and Concession	156	155	169	172	1,098
DARE entrants	262	335	380	423	448
DARE HEA Support only	165	178	184	205	67
DARE below Support and Concession	97	157	196	218	192
HEAR entrants	252	219	231	269	256
HEAR HEA Support only	148	90	90	122	171
HEAR below Support and Concession	104	129	141	147	277
Other progression routes	104	185	229	263	259
Other Progression (incl Open Learning)	104	185	229	263	
Total UCD	4,564	4,408	4,600	4,957	5,014

RESEARCH, INNOVATION AND IMPACT

Introduction from Vice-President for Research, Innovation and Impact



In our research and innovation activities at UCD, we seek to deliver clear impact in areas of global challenge across our four strategic themes: creating a sustainable global society, transforming through digital technology, building a healthy world and empowering humanity.

THIS YEAR, WE HAVE CONTINUED to deliver excellent research with clear impact across these themes, with major funding success in areas such as next-generation energy systems, earth observation data, clinical trials and civil wars. We also saw important scholarship and public events associated with the centenary of the publication of *Ulysses*.

This year has been our most successful ever for securing external research funding, which amounted to a total of €155.7 million. This success was made up of 897 individual externally funded research grants across all areas of the University, reflecting the diversity of our research strength. Our performance in European funding was particularly strong, and at the end of the year we ranked 17th among all higher education institutions (and a clear first nationally) for funding under Horizon Europe. I was particularly pleased to see significant success with the European Research Council. Our Field-Weighted Citation Impact was 1.73, which means that publications from UCD are cited 73% more than the world average.

Among the major awards won by UCD researchers this year, Professor Liam Gallagher, UCD School of Biomolecular and Biomedical Science, was SFI Researcher of the Year and Dr Dara Stanley, UCD School of Agriculture and Food Science, was SFI Early Career Researcher of the Year. Professor Helen Roche, UCD School of Public Health, Physiotherapy and Sports Science and Director of the UCD Conway Institute, won the SFI Mentorship Award and Professor Michelle Norris, UCD School of Social Policy, Social Work and Social Justice and Director of the UCD Geary Institute, won the Irish Research Council Impact Award. These and other awards show the very high esteem in which UCD researchers are held by their peers, and I congratulate all award recipients.

Our innovation activities continue to deliver significant success for UCD, with some very exciting developments this year. An Taoiseach Micheál Martin TD opened the East Courtyard extension

to NovaUCD, which expands our incubation space for new ventures by more than 50%. We have begun the development of the AgTechUCD innovation facility on Lyons Farm, with support from Enterprise Ireland. These developments are advancing, in important ways, our capacity for commercialising innovative ideas. Go Eve, a joint UCD and Imperial College London spin-out bringing a novel electrical vehicle charging system to market, won the 2021 UCD Start-Up of the Year Award. Professor Dominic Zerulla, UCD School of Physics, won the 2022 NovaUCD Innovation Award.

A major focus of Shaping the Future, the UCD Strategy for Research, Innovation and Impact, is our Research Culture. We have an outstanding team advancing our efforts, led by Professor Grace Mulcahy, UCD School of Veterinary Medicine, and they have been consulting widely, both within UCD and externally, over the past year. I look forward to working with them to implement the ideas that are emerging from their work.

It is an important time for research and innovation nationally. Impact 2030, the national strategy for research and innovation, was launched in May 2021 at an event in UCD. Under this strategy, we will see the development of new science advisory mechanisms nationally, and a new national research and innovation funding agency, combining and building on the missions of the Irish Research Council and Science Foundation Ireland. We look forward to contributing to these and other developments on the national landscape and to delivering on our shared ambitions in research and innovation.

Professor Orla Feely
UCD Vice-President for Research, Innovation and Impact

Research Funding 2021/22

UCD researchers secured a record amount of external research funding awards this year. The total funding capture of €155.7 million exceeds our previous funding record of €151 million in 2018/19. This funding came from 897 separate research awards, also a record, indicating the commitment to research excellence across the UCD community of researchers and research support staff.

This total arose from success across a wide range of research areas and funding programmes, reflecting UCD's strong competitiveness across the board. It also derives from our strategic positioning in areas where there is a global need for excellent research and innovation. Central to this is the alignment of our research with the University's four strategic themes: Creating a Sustainable Global Society; Transforming through Digital Technology; Building a Healthy World; and Empowering Humanity.

Individual investigator-led awards in Science Foundation Ireland (SFI), Irish Research Council (IRC) and Department of Agriculture, Food and the Marine (DAFM) programmes were higher than anticipated. Large awards included five clinical trials networks from the HRB, and the NexSys Strategic Partnership – a €16 million award from SFI, industry and philanthropy supporting the transition of the energy system to net zero. While our funding record in 2018/19, the previous record year, reflected a number of very large SFI Research Centre and Centre for Research Training (CRT) awards, these large-scale calls did not run in 2021/22, making this year's performance all the more remarkable.

Of particular note is UCD's strong start in the early calls of the European Commission's current research and innovation programme, Horizon Europe. UCD is the clear national leader under the programme and ranked 17th among all academic institutions for success under the programme at the end of the year.

€155.7m

total funding capture in 2021/22
exceeds our previous funding record
of €151 million in 2018/19

897

separate research awards were
granted indicating the commitment
to research excellence

17th

position in rankings among all
academic institutions for success
under the European Commission's
Horizon Europe programme making
UCD the clear national leader

Table 1: External Research Awards 2021/22

Year	Total value contracts signed including contributions to overheads (€ million)	Total contributions to overheads (%)	Total number of contracts awarded
2021/2022	155.7	17.9	897

Funding source	Number of contracts	Value (€)
SFI	96	34,385,103
EC	75	28,398,478
IRC	177	17,276,559
EI	128	12,166,268
DAFM	42	10,363,378
Others*	379	53,035,362
Total	897	155,625,148

*Note: includes 1 contract with Innovative Medicines Initiative Joint Undertaking (IMI JU), total Value €373,014 (IMI JU is categorised as 'Foreign Foundation' in RMS Grants).

Table 2: Largest Grants Awarded to UCD 2021/22

Leader	Funding source	Programme	Title	Total direct costs €
Prof Andrew Keane, UCD Energy Institute, et al.	Science Foundation Ireland (SFI)	Strategic Partnership Programme	NexSys (Next Generation Energy Systems)	6,139,115
Prof Andrew Keane, UCD Energy Institute, et al.	University College Dublin Foundation CLG	Research Project	Philanthropic Donation in Support of UCD Energy Institute and NexSys (Next Generation Energy Systems)	4,791,294
Prof Peter Doran, UCD School of Medicine	Health Research Board (HRB)	HRB Clinical Research Facilities/Centres (CRF/C) 2021	UCD Clinical Research Centre	4,093,266
Prof Owen Smith, UCD School of Medicine	Health Research Board (HRB)	HRB Cancer Trials in Ireland	Children's Health Ireland Cancer Trials Group	2,579,665
Prof Michela Bertolotto, UCD School of Computer Science	Enterprise Ireland (EI)	Disruptive Technologies Innovation Fund (DTIF)	Creating an Architecture for Manipulating Earth Observation data (CAMEO)	2,100,608
Prof Robert Gerwarth, UCD School of History	Horizon Europe	P1 – ERC Advanced Grant (AdG)	The Age of Civil Wars in Europe c. 1914-1949 (CivilWars)	1,999,952
Prof Eoin Casey, UCD School of Chemical & Bioprocess Engineering	Horizon Europe	P1 – ERC Advanced Grant (AdG)	Analysis of Biofilm Solid Interactions Underpinning Wastewater Treatment (ABSOLUTE)	1,997,014
Prof Patrick Mallon with Prof Peter Doran, UCD School of Medicine	HORIZON 2020	SC1 – Health, demographic change and wellbeing	European Corona Vaccine Trial Accelerator Platform (VACCELERATE)	1,818,671
Dr Craig Bullock, UCD School of Architecture, Planning and Environmental Policy	HORIZON 2020	Cross-cutting activities (Focus Areas)	Water-based solutions for carbon storage, people and wilderness (WaterLANDS)	1,711,874
Prof Virginie Gautier, UCD School of Medicine	Science Foundation Ireland (SFI)	Research Infrastructure	UCD Enhanced Containment Level 3 (CL3) Laboratory Suite for Human and Animal Risk Group, 3 Biological Agents, a National Resource for Translational Research and Infectious Diseases Preparedness	1,570,522
Dr Alice Mauger, UCD School of History	Horizon Europe	P1 – ERC Starting Grant (StG)	Deciphering Irish Alcohol and Substance use: Post-war Representations and Accounts (DIASPORA)	1,134,254
Associate Prof Geertje Schuitema, UCD School of Business with Prof Murray Hitzman, Dr Fergus McAuliffe, UCD School of Earth Sciences; Dr Shane Bergin, UCD School of Education	Horizon Europe	P2 – C4 Digital, Industry, Space	Vectors to Accessible Critical Raw Material Resources in Sedimentary Basins (VECTOR)	1,095,572
Prof William Gallagher, UCD School of Biomolecular & Biomedical Science	Higher Education Authority (HEA)	North-South Research Programme	A Foundation Stone for the All-Island Cancer Research Institute (AICRI-START): Building Critical Mass in Precision Cancer Medicine	1,092,551

Pictured (l-r) at NovaUCD are: Dr Edward McDonnell, Director, CeADAR; Ricardo Simon Carbajo, Head of Innovation and Development, CeADAR; Tom Flanagan, Director of Enterprise and Commercialisation, NovaUCD; Leo Clancy, CEO, Enterprise Ireland; Prof Orla Feely, UCD Vice-President for Research, Innovation and Impact; and Mitchell O’Gorman, CEO, xWave Technologies at the announcement of an Enterprise Ireland Innovation Partnership Programme project between CeADAR and xWave to research the use of artificial intelligence to predict the best medical diagnostic test for a patient based on a range of input data.



Internal Research Schemes 2021/22

UCD makes a considerable investment in our own research, across a number of programmes.

Seed Funding

A total of 134 eligible applications were received across all programmes in the 2022 scheme. Of those, 60 were successful (approx 45%) resulting in awards of €196,025. The overall number of applications

received this year was once again down compared to pre-pandemic levels, particularly in the Dissemination and Outputs programme, the awards from which are generally to support conference attendance.

The full suite of programmes included in the scheme this year were: Dissemination and Outputs; Equality, Diversity and Inclusion; Visiting Professor; and the Career Development Award.

Table 3: UCD Seed Funding Scheme 2021/22

2022 Seed funding by programme	Volume of applications	Value of applications €	Volume of awards	Value of awards €
Dissemination & Outputs	80	162,679	43	55,068
Equality, Diversity & Inclusion Strand A	7	60,034	2	19,704
Equality, Diversity & Inclusion Strand B	6	12,908	3	5,000
Visiting Professors – Incoming and Outgoing	7	94,818	5	43,000
Career Development Award	34	454,769	7	73,252
Total	134	785,208	60	196,025

2022 Seed funding by College	Volume of applications	Value of applications €	Volume of awards	Value of awards €
UCD College of Arts and Humanities	9	29,651	7	9,422
UCD College of Business	3	14,460	2	4,750
UCD College Engineering and Architecture	31	210,801	9	22,070
UCD College of Health and Agricultural Science	33	218,010	14	61,530
UCD College of Science	36	219,141	16	66,521
UCD College of Social Sciences and Law	22	93,136	12	31,732
Total	134	785,208	60	196,025

Decade of Centenaries

The fourth and final call in the Decade of Centenaries scheme was held in the latter part of 2021. Awards were offered to 10 applicants, totalling €50,000. A total of €318,000 has been awarded over the lifetime of the scheme.

EQUIP

Research equipment is an essential enabler of excellent and competitive research and innovation across many domains. While there have been major national programmes for investment in research equipment in the past, such programmes have become sparse in recent years and securing funding for the renewal of the existing equipment base has been particularly challenging. In recognition of this, UCD developed the UCD EQUIP scheme to make a significant

investment in core research equipment. The UCD EQUIP Scheme ran for the fourth time this year and awards of over €3 million were made by April 2022. A further €1 million was provided for Data Management solutions (€304,480), cost share commitment for the SFI Infrastructure Call 2021 (€636,520) and a Core Tech Support role (€50,000, or €100K over two years).

It's worth noting that of the applications approved, 40% will be for the provision of new equipment and 60% for either upgrade or replacement of existing infrastructure.

Gender split

Of the lead applicants, 50% were female and 50% were male.

Table 4: Decade of Centenaries scheme 2021/22

Principal applicant	Title	College/unit	School	Amount awarded €
Professor Joanna Bruck	Material legacies: guidelines for the protection and management of revolutionary-period archaeological sites	UCD College of Social Sciences and Law	UCD School of Archaeology	4,306
Dr Fionnuala Walsh	Everyday life in the Irish revolution	UCD College of Arts and Humanities	UCD School of History	4,718
Professor Anne C Fogarty	Reading Ulysses 1922-2022: The UCD Constantine Curran/Helen Laird Collection	UCD College of Arts and Humanities	UCD School of English, Drama and Film	1,685
Dr Sinead Moriarty	Deconstructing the Decade of Centenaries: Commemoration and Future Politics	UCD College of Social Sciences and Law	UCD School of Politics and International Relations	4,789
Dr David Durnin	Private Lives, Public Policies	VPRII	UCD Geary Institute	5,250
Professor Deirdre Raftery	Rebel nuns and convent safe houses: Carysfort College and its networks, 1916-1923	UCD College of Social Sciences and Law	UCD School of Education	7,679
Dr Hussein Omar	Archives of Self-Determination	UCD College of Arts and Humanities	UCD School of History	3,495
Professor Margaret Kelleher	Making a Difference: the Impact and Influence of UCD Female Staff and Graduates, 1908-1923	UCD College of Arts and Humanities	UCD School of English, Drama and Film	9,650
Assoc Professor Iarfhlaith Watson	Identity and Partition a hundred years on: how Irish national identity is imagined and constructed 100 years since the partition of Ireland	UCD College of Social Sciences and Law	UCD School of Sociology	6,747
Assoc Professor Mary Catherine Lucey	A Centenary of Diverging Common Law in Ireland	UCD College of Social Sciences and Law	UCD School of Law	1,680

Table 5: EQUIP Scheme 2021/22

Lead applicant name	School	Technology area	Equipment description	Amount approved €
Prof Ulla Knaus	UCD School of Medicine	Preclinical animal research	Germ-free animal platform in biomedical science	222,497
Dr Veronica Sofianos	UCD School of Chemical and Bioprocess Engineering	Materials analysis	A combined high-temperature Differential Scanning Calorimeter (DSC) and Thermogravimetric Analyser (TGA)	49,515
Prof Klaus Kessler	UCD School of Psychology	Neuroscience	Mental chronometry: renewed eye-tracking and new brain stimulation equipment	337,426
Prof Lorraine Brennan	UCD School of Agriculture and Food Science	Metabolomics	Enhancement of the metabolomics core facility	190,000
Assoc Prof Antoinette Perry	UCD School of Biology and Environmental Sciences	Imaging	Live cell 3D imaging fluorescence microscope	263,921
Dr Deborah Wallace	UCD School of Medicine	Tissue culture, sample processing, analysis	Class 2 biosafety cabinets, CO ₂ incubators, centrifuges, autoclave	92,309
Dr Colm Collins	UCD School of Biomolecular and Biomedical Science	Ex vivo bioassay system for isolated muscle contractility	Tissue bath system with optical force transducers and data acquisition	79,134
Prof Brian Rodriguez	UCD School of Physics	Imaging and materials analysis in physical and life sciences	Dimension-3100 nanoscope-IV atomic force microscope repair and performance check	20,319
Prof Stephen Gordon	UCD School of Veterinary Medicine	Infectious disease research	Biosafety level 3 for small animal infectious disease research (ABSL-3)	106,005
Dr Jonathan Turner	UCD School of Geography	Geospatial data acquisition and analysis	Integrated global positioning system and total station survey equipment	81,289
Prof Desmond J Tobin	UCD School of Medicine	Cell/tissue storage for biomedical research	Cryogenic freezer and temperature monitoring system for secure cell storage	106,000
Prof David Browne	UCD School of Mechanical and Materials Engineering	Materials science and engineering	Fast in-situ and environmentally controlled x-ray diffraction equipment	173,210
Assoc Prof Olive Lennon	UCD School of Public Health, Physiotherapy and Sports Medicine	Motion analysis	A portable, dynamic, over-ground, bodyweight support device with falls prevention mode	81,221
Dr Ronald Halim	UCD School of Biosystems and Food Engineering	Core infrastructure in elemental and micronutrient analysis	ICP-AES with a microwave digestion sample preparation unit	135,495
Assoc Prof Aisling Ní Annaidh	UCD School of Mechanical and Materials Engineering	Materials testing	Biaxial tension machine for material characterisation of anisotropic tissues / materials	154,993
Dr Angela Feechan	UCD School of Agriculture and Food Science	Plant growth production glasshouse	Production glasshouse equipment for plant growth, ProGlassGro	174,193

Table 5: EQUIP Scheme 2021/22 (continued)

Lead applicant name	School	Technology area	Equipment description	Amount approved €
Dr Kevin Nolan	UCD School of Mechanical and Materials Engineering	Imaging	High speed camera	49,309
Prof Helen Roche	Conway	BioBank	Biobank upgrade for Conway PIs such that freezers and temperature monitoring system fit for purpose	200,000
Prof Patrick Guiry	UCD School of Chemistry	NMR spectroscopy	Replacement of the 600 MHz NMR spectrometer – A key spectrometer to be used for the automated, high throughput analysis of compounds from across the breadth of UCD research	399,317
Prof Trudee Fair	UCD School of Agriculture and Food Science	Life science research (Research animal management system)	UCD-wide animal management and regulatory compliance reporting software	100,000

UCD Output Based Research Support Scheme (OBRSS)

Research activity is critical to UCD's reputation as a leading global university. We recognise that commitment to excellent research builds UCD's reputation and that many of the day-to-day costs of research activity are not covered by research grants. In response, UCD has developed the Output Based Research Support Scheme (OBRSS) to disburse research support funds to faculty based on their research outputs, as captured through publications and PhD supervision. During the past year, 1,035 faculty were awarded support funds through OBRSS. Full details of the OBRSS are shown in Table 1.

Table 6: Output Based Research Support Scheme 2021/22

College	Volume of awards	Value of awards €
College of Arts and Humanities	111	74,091
College of Business	59	47,689
College of Engineering and Architecture	124	197,137
College of Health and Agricultural Sciences	282	354,605
College of Science	238	265,378
College of Social Sciences and Law	210	184,804
Other	11	6,228
Total	1,035	1,129,931

1,035

faculty were awarded support funds through OBRSS during the past year

Analytics and Impacts

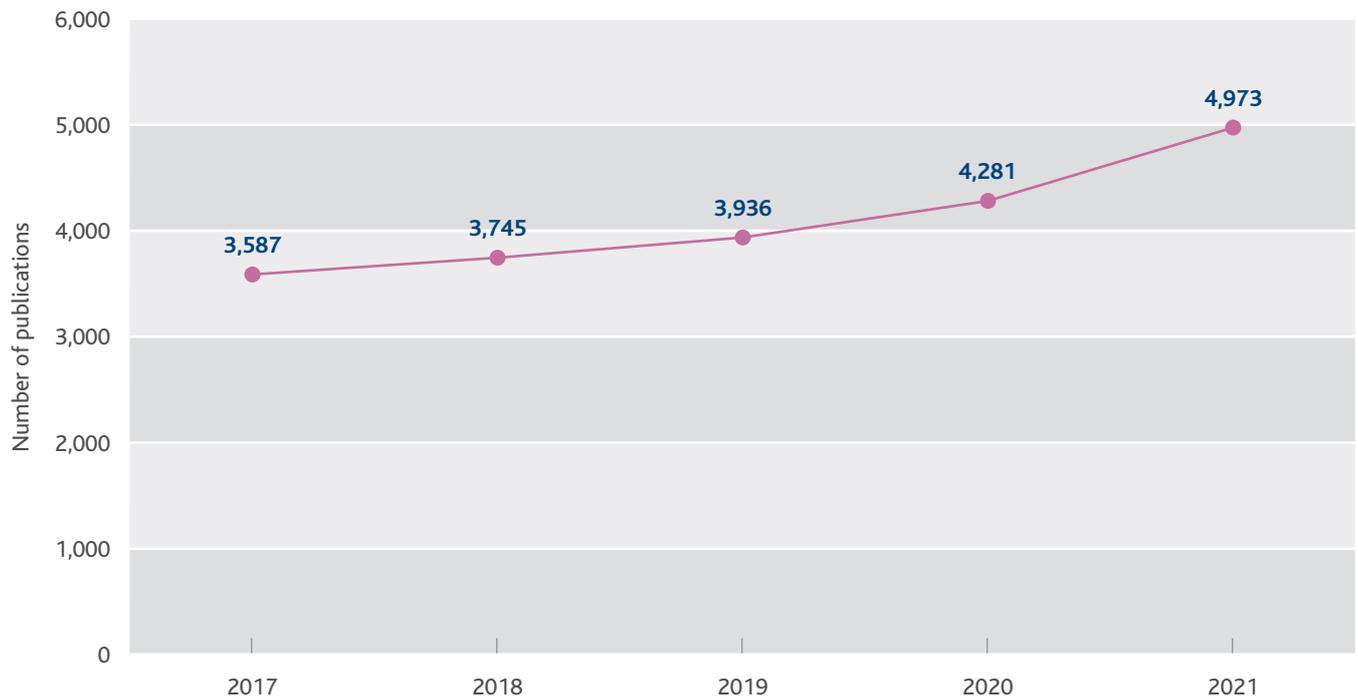
Publication Metrics

In 2021, there were 4,973 papers listed in Elsevier SciVal for UCD (see Figure 1). Although the coverage in this data does not reflect the totality of UCD's research outputs (which was 6,761 for the year), this is an important metric. UCD has produced the highest volume of academic publications in the country over the past fifteen years.

Academic Impact

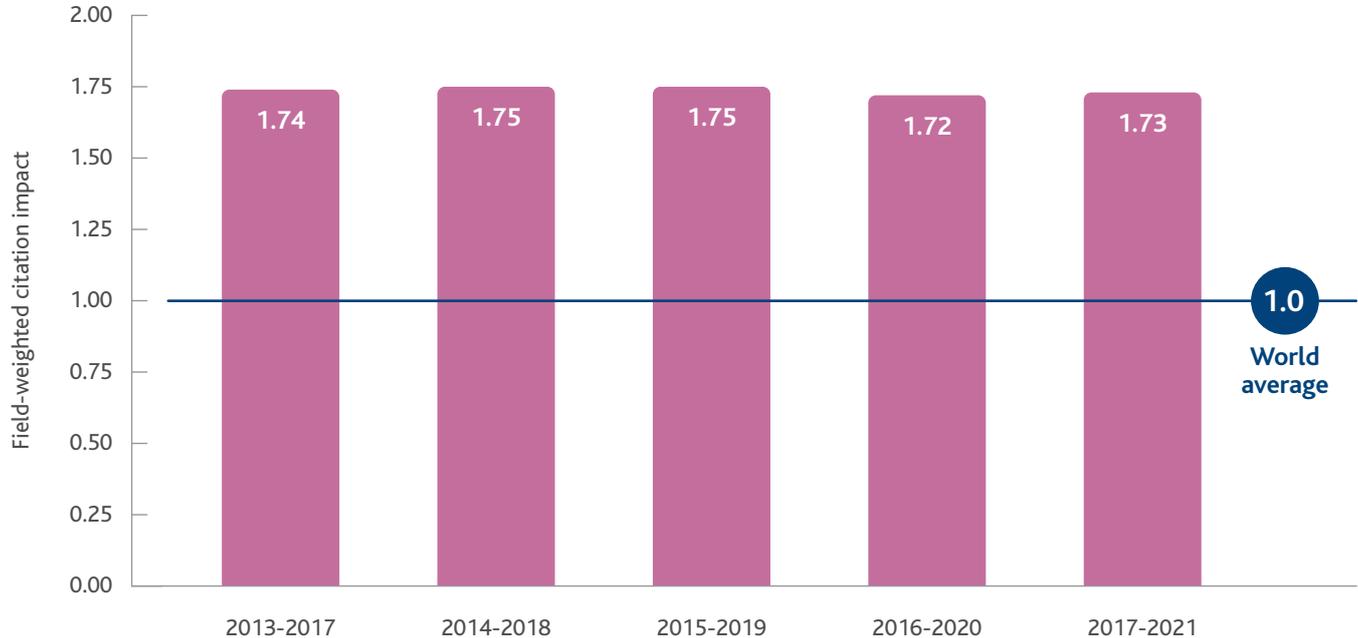
Field-weighted citation impact compares the actual number of citations received by a paper with the expected number of citations for papers of the same document type (article, review or conference proceeding paper), publication year and subject field. A field-weighted citation impact of 1.00 indicates that an institution's publications have been cited exactly as would be expected based on the global average for similar publications. Using this measure, UCD's publications over the past five-years are 73% more cited than the world average, putting UCD on a similar plane with many other leading international research-intensive universities. During the past five years, 18% of UCD's publications were in the top 10% of the most cited worldwide. In addition, 61% of the publications were co-authored with institutions in other countries, emphasising UCD's position as a global university.

Figure 1: Number of Publications Recorded in SciVal per Year



Source: Elsevier Scopus/SciVal (accessed 6 September 2022)

Figure 2: Field-Weighted Citation Impact per 5-year period



Source: Elsevier Scopus/SciVal (accessed 6 September 2021)

UCD's publications over the past five years are 73% more cited than the world average, putting UCD on a similar plane with many other leading international research-intensive universities

Societal Impact

The Research Impact Case Study Competition builds capacity throughout UCD in capturing research impact. It encourages all researchers, regardless of discipline, to consider and celebrate the societal impact of their work.

This competition offers researchers at UCD an opportunity to develop a short, written case study with illustrative images, highlighting the impact of their research to an external, non-specialist audience. The 2021 winner was 'Improving outcomes of critically ill patients with COVID-19,' by Professor Alistair Nichol, UCD School of Medicine. The finalists are included in the table below.

Research Culture Initiative

Research Culture encompasses *how* we research – how researchers behave towards each other and to other research stakeholders. UCD has a strong commitment to providing a supportive research culture, in line with the University's values. In order to assess our research culture and support this commitment, the UCD Research Culture Initiative received funding from the UCD Strategic and Major Initiatives fund for an 18-month pilot project, starting in July 2021.

The initiative has included a comprehensive Research Culture survey of all staff involved in the research process, including faculty, postdoctoral research associates, research fellows, graduate research students, research managers/administrators and technical officers. The themes emerging from the survey were further explored in

a series of 13 'World Café' events. In addition, a pilot 360-degree review was trialled with a number of research leaders and a Research Culture Toolkit is currently in development.

A communication campaign was carried out within and outside UCD to publicise the main results of this initiative as widely as possible. Reports on the survey and the World Cafés have been published and are available on the Research Culture website. Of particular note, a one-day conference entitled 'Research Culture – Perspectives from Ireland and Beyond', with a range of national and international speakers, was organised in the Royal Irish Academy.

The importance of a positive research culture in underpinning both research excellence and integrity is abundantly clear. The UCD Research Culture Initiative team will produce a Roadmap of Recommendations based on its findings to date, aimed at further improving and supporting a healthy UCD Research Culture, thereby empowering UCD in its goal to produce excellent and impactful research and innovation.

The importance of a positive research culture in underpinning both research excellence and integrity is abundantly clear

Table 7: Finalists of 2021 UCD Research Impact Case Study Competition

Name	School	Impact case study
Coastal Communities Adapting Together (led by Dr Chiara Cocco)	UCD School of Architecture, Planning and Environmental Policy	Supporting climate action through tree planting
Dr Keith Gaynor	UCD School of Psychology	Helping people cope during COVID-19
Prof Judith Harford, Asst Prof Rachel Farrell, Asst Prof Aoibhinn Ní Shúilleabháin	UCD School of Education and UCD School of Mathematics and Statistics	Girls in STEM: changing attitudes and increasing diversity
Dr Claas Kirchhelle	UCD School of History	Typhoidland: using the past to inform the future of typhoid control
Prof Patricia Maguire	UCD School of Biomolecular and Biomedical Science	AI_PREMie: saving lives of mothers and babies using AI
Dr Denise O'Brien, Sinead Thompson, Lorraine Carroll, Dr Barbara Coughlan	UCD School of Nursing Midwifery and the National Maternity Hospital	The Labour Hopscotch Framework: improving outcomes for mother and baby
Dr Shane O'Donnell	UCD School of Sociology	#WeAreNotWaiting: tackling diabetes through patient-led research and open-source innovation
Assoc Prof Helen Sheridan, Prof Tommy Boland, Prof Olaf Schmidt, Assoc Prof Bridget Lynch, Asst Prof Paul Murphy	UCD School of Agriculture and Food Science	SmartGrass: improving the sustainability of livestock farming
Prof Eleni Theodoraki	UCD School of Public Health, Physiotherapy and Sports Science	Promoting policies for sustainable mega-sport events
Assoc Prof Liam Thornton	UCD Sutherland School of Law	Ending direct provision

UCD Strategic Research Priority Areas – Key Highlights

At UCD, our research makes a difference. We deliver research and innovation at scale and in areas of national and global significance by prioritising excellence and impact, investing in our people and providing a culture and environment in which they are supported to deliver across the University's four strategic themes:

1. Creating a Sustainable Global Society

2. Transforming Through Digital Technology

3. Building a Healthy World

4. Empowering Humanity

UCD has an impressive record of leadership and achievement aligned with these themes and advances the research under each in a unified manner, with the help of the Research Partners, Proposals Support and EU Research teams.

Creating a Sustainable Global Society

Researchers across every discipline are seeking solutions to the world's most pressing challenges, from transitioning to sustainable energy, building secure food systems to addressing climate change.

Major Campaigns

The Food Integrity campaign consolidates food systems expertise in UCD, bringing together key academic, industry and government stakeholders to realise a step-change in the sustainability, security, harmony and integrity of the Irish food system. A key achievement of this campaign was the launch of the All-Island Food Integrity Initiative (FOOD-I) this year – a partnership between UCD, Queen's University Belfast, UCC, Teagasc, NUI Galway, Agri-Food and Biosciences Institute (AFBI) and Ulster University. The 'Island of Ireland Agri-Food Research Ecosystem Mapping Exercise Report,' completed by UCD, was also published and is the first of its kind ever to be produced.

Research Highlights

Protein-I: Shared Island Sustainable Healthy Nutrition was awarded €3.1 million by DAFM and DAERA and takes a food systems approach to enhancing the sustainability of protein production across the island of Ireland. The project is led by Professor Lorraine Brennan and brings together six partners: UCD, Teagasc, NUI Galway, UCC, Ulster and Queen's.

Taoiseach Micheál Martin and Deputy First Minister Michelle O'Neill officially launched the All-Island Climate and Biodiversity Research Network (AICBRN), a research-led initiative which aims to work across the island of Ireland. UCD Earth Institute, UCD Energy Institute and iCRAG and BiOrbic SFI research centres are founding members of this ambitious cross-border network, which aspires to address key challenges in climate science, climate mitigations, climate adaptation, biodiversity change and just societal transition.

Professor Eoin Casey was awarded an ERC Advanced Grant for his project 'Analysis of Biofilm Solid Interactions Underpinning Wastewater Treatment'.

The project will explore the fundamental interactions between the different matter in the wastewater influent and 'biofilms,' which are a key catalyst in many modern wastewater treatment processes. This will allow improved insight to enable the water sector to move towards net zero emissions and also to contribute to the circular economy.

Four projects led by UCD in the domain of sustainability received funding as part of the €37.3 million North-South Research Programme, focused on food integrity, food safety, circular economy and sustainable agriculture.

Two UCD projects investigating how coastal and marine habitats could help Ireland reach its emissions goals received €2.6 million in funding from the Marine Institute and EPA 'blue carbon' calls. 'BlueC' and 'Quest' will examine how marine habitats store carbon and potentially reduce carbon dioxide concentrations in the atmosphere. The projects are led by Dr Grace Cott, UCD School of Biology and Environmental Science, and Dr Mark Coughlan, UCD School of Earth Sciences.

Researchers from UCD School of Geography are partnering with academic colleagues in Aberystwyth University on a new European project to boost sustainable tourism in rural areas of Wales and Ireland. The €3 million project – Coastal Uplands: Heritage and Tourism (CUPHAT) – is supported by the European Regional Development Fund through the Ireland-Wales Cooperation programme. Funded for two years, the project will examine cultural and natural heritage assets to promote sustainable forms of tourism in the Cambrian Mountains and Preseli Hills in Wales, and Wicklow Mountains and Blackstairs Mountains.

Transforming Through Digital Technology

UCD researchers are exploring and combining interdisciplinary approaches and methodologies to digitally revolutionise research across every field from medicine to philosophy.

Major Campaigns

Developing 'Space', 'Quantum' and 'Technology for Health' research are the focal points of coordinated efforts across the University under this theme. UCD C-Space, the Centre for Space Research, UCD C-QuEST, the Centre for Quantum Engineering, Science and Technology, and the AI Healthcare Hub at UCD Institute for Discovery are key enablers of strategic development in these areas.

Research Highlights

The EQUITY (Éire Strategy for Quantum Information and Technology) project was awarded by funding through the IRC Shared Island Initiative, with the aim of establishing a national network for research in quantum technologies – led out of UCD

Two UCD projects investigating how coastal and marine habitats could help Ireland reach its emissions goals received €2.6 million in funding



Minister Damien English, TD, An Tánaiste Leo Varadkar, TD, Prof Orla Feely, VPRII, and Prof Lorraine Hanlon, UCD C-Space, at Government Buildings for the historic signing of Letters of Exchange between Ireland and the European Space Agency and signing of the Registration and Supervision Agreement between the Irish Government and UCD.

C-QuEST by Dr Steve Campbell. The project began by organising a successful workshop for PIs, funders and industry in May, followed by the UCD Quantum Festival which was scheduled for later in the year.

UCD C-QuEST established an external advisory board whose members include IBM Research, Google, Intel, Equal1 and Queen's University Belfast. The centre also participated in the National Advisory Forum for Quantum Technologies' development of a National Strategy for Quantum Research, which was developed for Science Foundation Ireland.

Dr Steve Campbell is co-investigator on a €2 million Templeton research grant awarded to a partnership of researchers in University of Maryland, University of Arizona, University of Southern California and UCD, for the Maryland Quantum Thermodynamics Hub.

The EIRSAT-1 project, Ireland's first satellite, is nearing its space mission and the CubeSat development is now complete. An Engineering Qualification Model (EQM) environmental testing campaign was completed successfully in October 2021 at ESA's Cubesat Support Facility (CSF) in Belgium. The Flight Model (FM) was assembled in early 2022. The EIRSAT-1 team has developed space systems skills that did not previously exist in Irish industry or academia.

The CAMEO (Creating an Architecture for Manipulating Earth Observation data) project started and is progressing – funded under the Disruptive Technologies Innovation Fund (DTIF) and under the leadership of Professor Michela Bertolotto. CAMEO directly addresses one of the six objectives of the National Space Strategy for Enterprise 2019-2025 by establishing a space services sector. Professor Bertolotto, who is also a member of UCD C-Space,

has directly contributed to national space policy development. She presented a CAMEO solution to the oversight committee responsible for implementing the National Space Strategy for Enterprise. She had further meetings with Ministers Damien English and Simon Harris, and she also presented at the Irish Space Industry Conference in May 2022.

AI Healthcare Hub's flagship project AI_PREMie (Reducing the Burden of Preeclampsia), led by Professor Patricia Maguire, is progressing to commercialisation. It has so far received an Enterprise Ireland Commercialisation Fund Feasibility Grant and has secured patents for AI_PREMie biomarkers. Professor Maguire has also partnered in a €3.2 million DTIF, THORAX: Combining rapid point-of-care diagnostics, AI and machine learning to transform lung infection screening and diagnosis in the critical care setting.

Professor Ronan Cahill led a successful €6 million Horizon Europe bid to continue his ground-breaking digital surgery initiatives. The CLASSICA project consortium has 11 partners across 10 countries – UCD shares €2 million with Irish consortium partner Pintail Ltd. The project started in May 2022.

Building a Healthy World

Across the Life Sciences/STEM, Humanities, Social Sciences and more, researchers are working to improve the health and well-being of humans, animals and the environment through academic excellence and collaborative research approaches.

Major Campaigns

Potentially one in two people living on the island of Ireland will develop cancer during their lifetime, while numerous factors including the evolution of zoonotic viruses and globalisation

perpetuate the threat of future pandemics. In response to these challenges, UCD focuses collaborative efforts in research around cancer, infectious diseases and One Health, which are strategically aligned to national and EU priorities.

Research Highlights

Professor William Gallagher, who leads the All-Island Cancer Research Institute (AICRI), was awarded €4 million from the HEA North-South research scheme for a 'Partnership of Scale,' co-led with Professor Mark Lawler from Queen's University Belfast. The grant will fund AICRIstart, a four-year research programme providing advanced training in precision cancer medicine for 10 doctoral students and 10 postdoctoral fellows from 10 academic institutions across the island of Ireland.

The last year saw the development of key infrastructural assets for cancer research, including €2.6 million funding for the National Spatial Tissue Profiling (NaSPro) Platform for Precision Medicine, led by UCD. The project consortium includes UL, RCSI and TUDublin.

There was also significant funding for clinical trials in cancer research. The Children's Health Ireland (CHI) Cancer Trials Group, led by UCD's Professor Owen Smith, was awarded a €2.5 million grant from the HRB to tackle childhood cancer. The Ireland East Hospital Cancer Trials Group was awarded €2.3 million to tackle adult cancer, under UCD School of Medicine management.

The Patient Voice in Cancer Research joined with AICRI to organise a patient-stakeholder event to explore ways that patients can engage with and contribute to new large-scale activity in cancer research. This was promoted through the Public and Patient Involvement (PPI) Network at UCD.

The All-island Vaccine Research and Training Alliance, led by Associate Professor Siobhán McClean from UCD along with Professor Miguel Valvano from Queen's, was another 'Partnership of Scale' funded under the HEA North-South call. The network will draw on shared expertise in infection, immunology, pharmacy and psychology, with a shared goal of designing and developing better vaccines to prevent difficult to treat bacterial infections.

Key infrastructural investments in the Infectious Diseases and One Health domains included €914,000 for a UCD-Conway-CEPHR Advanced Cytometry Unit, awarded to Associate Professor Margaret McGee from the SFI infrastructure fund. Dr Virginie Gautier, UCD CEPHR, was awarded €1.6 million from SFI for an Enhanced Containment Level 3 (CL3) Laboratory Suite for Human and Animal Risk Group 3 Biological Agents, which represents a national resource for translational research and infectious diseases preparedness.

Substantial funding was secured for clinical trials in infectious diseases medical research. Professor Patrick Mallon is chief investigator on the second multinational study (EU-COVAT-2 BOOSTAVAC) of the European Vaccination Research Network, examining the immune response of a fourth COVID-19 vaccination in adults. The study is co-sponsored by UCD Clinical Research Centre, led by Professor Peter Doran.

Professor Alistair Nichol was awarded a HRB Clinical Trials Network grant (€764,721) to study 'Improving Outcomes After Critical

Illness.' He was given a special commendation in the 2021 IRC Research of the Year Awards for his 'exceptional contribution' in the field of medical research, specifically in critical care clinical trials, as director of the Irish Critical Care Clinical Trials Network, and especially in the global fight against the COVID-19 pandemic.

Epidemiologist Professor Akke Vellinga was awarded a HRB Research Leader Award (€962,736) to set up the CARA network, for 'Collaboration to reduce Antimicrobial use and Resistance and identify opportunities for improvement and Awareness'.

Empowering Humanity

Within this theme, researchers across a diverse range of disciplines are addressing major societal challenges through research that enables inclusive processes, shapes human thought and motivates lasting behavioural change.

Major Campaigns

Researchers at UCD, working across the broad spectrum of arts, humanities, social sciences, law and business underpin the aforementioned campaigns. Emergent campaigns include 'Secure and Democratic Societies' and 'Sustainable Communities,' which is focused on a range of interlinked areas integral to how we live and work in a post-covid era, particularly addressing the vibrancy of Irish towns, housing policy, homelessness and obsolete buildings.

Research Highlights

UCD saw exceptional success in ERC awards in the Arts, Humanities and Social Sciences. Professor Robert Gerwarth, UCD School of History was awarded a €2.5 million ERC Advanced Grant for 'The Age of Civil Wars in Europe, 1914-1949.' Professor Joanna Bruck, Head of UCD School of Archaeology was awarded a €2.5 million ERC Advanced Grant for her research project 'Animals and Society in Bronze Age Europe.' Dr Ailise Bulfin, UCD School of English, Drama and Film was awarded a €1.5 million ERC Starting Grant for



Prof Robert Gerwarth, UCD School of History, Prof Joanna Bruck, UCD School of Archaeology, Prof Eoin Casey, UCD School of Chemical and Bioprocess Engineering (all ERC Advanced Grant awardees) and VPRII Prof Orla Feely celebrating unprecedented success for UCD in ERC awards in 2021/22.

The ambitions of the UCD Conway Institute to provide the most comprehensive suite of centrally managed core technology facilities in Ireland in support of leading research was further strengthened by successful bids for national technology platforms in imaging and flow cytometry

'Investigating Fictional Representations of Child Sexual Abuse in Contemporary Culture: Myths and Understanding,' (CSAReps). Dr Alice Mauger, UCD School of History was awarded a €1.4 million ERC Starting Grant for 'Deciphering Irish Alcohol and Substance use: Post-war Representations and Accounts' (DIASPORA).

To tackle the lack of engagement by girls with STEM in disadvantaged schools, UCD researchers Professor Judith Harford, Dr Rachel Farrell and Dr Aoibhinn Ní Shuilleabháin worked with more than 1,000 pupils in disadvantaged schools in Leinster to understand more about attitudes to STEM. The project was recognised in the annual UCD Research Impact Case Study Competition. In parallel, creative new approaches to increasing engagement with STEM have emerged led by project manager Karen Maye, UCD School of Education and Philosophy for Children expert Marelle Rice, including telling stories of pioneering women in their fields. The approach has demonstrably boosted interest among girls in secondary schools in studying STEM subjects for Leaving Cert and beyond.

'#WeAreNotWaiting: Tackling diabetes through patient-led research and open-source innovation' case study on the work of Dr Shane O'Donnell, UCD School of Sociology, was also recognised in the 2021 UCD Research Impact Competition. OPEN is a patient-led research project that is gathering evidence on the safety and effectiveness of open-source automated insulin delivery (AID) systems, which has established an international consensus statement with practical guidance for healthcare professionals on open-source AID. The research may help overcome clinical and regulatory hurdles so that open-source AID can be used more widely and safely, while also highlighting some of the inequalities in access to diabetes technology that prevent wider uptake.

BioBeo is a €2 million Horizon Europe-funded project to develop a bioeconomy education programme, coordinated by Associate Professor Tom Curran, UCD School of Biosystems and Food Engineering. It follows directly from the successful Horizon 2020-funded Agrocycle project. BioBeo will be delivered by 15 partners across 10 countries, including Maynooth University and An Taisce in Ireland.

The European Green Deal seeks to make Europe the first climate-neutral continent in the world, but citizens need to be involved.

Professor Francesco Pilla, UCD School of Architecture, Planning and Environmental Policy is leading Ireland's participation in the EU-funded I-CHANGE (Individual Change of HABits Needed for Green European transition) to encourage citizens and civil society to understand and align their habits with environmental protection.

UCD Research Institutes

In addition to contributing across the University's four strategic themes outlined above, UCD's Research Institutes deliver cross-cutting programmes and events to further enhance the knowledge base, research ecosystem and impact of UCD, some of which are outlined below.

UCD Conway Institute for Biomolecular and Biomedical Research

In research, Associate Professor David O'Connell developed a screening technique to study Alzheimer's disease in the laboratory, which enabled the identification of candidate therapeutics with the potential to halt the disease process. Work by Associate Professor Rory Johnson demonstrated for the first time that CRISPR genome-editing technology can be used as a tool to find new gene therapies for lung cancer based on RNA therapeutics. Two potential drug targets will now be further investigated.

In innovation, emerging UCD start-up led by Dr Fiona McGillicuddy, MetHealth placed third at the 2022 IDEATE Ireland business competition. The biomarker-based risk-stratification platform can identify patients with complications of obesity enabling clinical decision-making and enhancing delivery of personalised care to the patient.

Professor Cormac Taylor received a Royal Academy of Medicine in Ireland Research Award 2021 (biomedical section) in inflammatory bowel disease research. Professors William Gallagher and Helen Roche received SFI Researcher of the Year and the SFI Mentorship Award respectively at the annual Science Foundation Ireland Science Summit.

Professors David Brayden, William Gallagher and Associate Professors Kieran Meade and Siobhan McClean will each lead projects under the Government's Shared Island Fund including building critical mass in vaccine development and deployment and in precision cancer medicine (see Research Highlights above).

The ambitions of the UCD Conway Institute to provide the most comprehensive suite of centrally managed core technology facilities in Ireland in support of leading research was further strengthened by successful bids for national technology platforms in imaging and flow cytometry. Conway Fellows led successful bids for shared equipment across sister UCD institutes and centres under the UCD Equip scheme.

In public engagement/involvement and outreach, artist Lorna Donlon collaborated with Conway researchers and patient advocates in a multimedia exhibition funded under SFI Discover. *STEP Through the Looking Glass: Stories Told of Experimental Processes* uses selected personal and scientific objects as unique and curious ways to tell science stories. Launched as part of the Kilkenny Arts Festival, the exhibition will run in community and healthcare settings until December 2022. The Institute also hosted

three structured, week-long transition year placements for 72 pupils from DEIS schools linked with UCD, with 25 PhD and postdoctoral researchers receiving public engagement training to design and deliver workshops and activities for pupils.

UCD Institute for Discovery

During the past year, UCD Discovery has continued to engage with the research community to support emerging and early-stage interdisciplinary research in the University.

Through the Institute's Rising Stars Programme, established to highlight and promote exceptional young interdisciplinary researchers, it showcased and championed another 10 early-stage academics, to increase their profile across the community and enable their work to reach a greater audience.

The 'Stories of Discovery' programme continues to highlight and promote interdisciplinary research stories from across the University. This year's series included a diverse range of subjects, from machine learning to improve sports injury detection to the ecology of seagulls. In addition, the Institute launched a podcast series and produced over 20 podcasts to complement the successful Stories of Discovery and Rising Stars programmes.

The AI Healthcare Hub continued to grow (see Research Highlights above), with several incubating projects featuring on national TV, radio and print media. RTÉ One's *Change Makers* explored how Irish universities are helping to create meaningful change in society, featuring AI_PREMie. The Institute conducted further stakeholder engagement through brainstorming sessions with the public, participation in the UCD Research Impact Case Study competition, international conferences, and collaboration with industry including Microsoft Ireland and Google.

The global visiting fellowship programme was reopened, and they welcomed Professor Anthony Elliott, University of South Australia, who delivered a public lecture 'May AI be with you: Outcomes, Opportunities and Obstructions of the Digital Revolution.' Dr Linda Mbeki, University of Pretoria, was also hosted in partnership with UCD Humanities Institute and UCD School of Medicine for a three-month fellowship exploring 'A biogeochemical study of labourers from the South African mineral revolution'.

Finally, the successful *Zoom for Thought* series continued hosting eminent speakers from leading institutions and businesses across the globe, including the UN, Microsoft, Lenovo and Citi. A special live Zoom for Thought took place at the UCD Festival in June with Laurence Moroney from Google. Laurence is Google's Lead AI Advocate and delivered a lively session at the Festival entitled 'Ask me anything about AI!'.

UCD Earth Institute

This year, WaterLANDS (Water-based solutions for carbon storage, people and wilderness), led by Dr Craig Bullock and Dr Shane McGuinness, supported by UCD Earth Institute, was awarded €23 million under the EU Horizon 2020 Green Deal call. The ambitious 32 partner project aims to restore wetland sites across Europe and lay the foundations for wider scalable protection.

The Institute also supported the development of five applications under the IRC's COALESCE programme, three of which were successful: Green Space Engage led by Dr Mick Lennon, and CROPREVIVE and FOODSEC led by Dr Meriel McClatchie. Projects funded under Earth's Strategic Priority Support Mechanism have also had success in securing funding. These included: Dr Susanne Schilling's HEA North-South funded ÉIREhemp project (linked to HempHub); Dr Orla Murphy and Dr Philip Crowe's Creative Ireland



STEP Through the Looking Glass: Stories Told of Experimental Processes. Multimedia exhibition using selected personal and scientific objects as unique and curious ways to spark a conversation and telling a science story by artist Lorna Donlon.



Prof Aoife Ahern, College Principal, UCD College of Engineering and Architecture, Minister Simon Harris, TD, Prof Philip Nolan, Director of SFI, David O'Reilly, Chair of UCD's Energy Advisory Board and NexSys industry partners, and Prof Andrew Keane, Director of NexSys and UCD Energy Institute at the launch NexSys.

funded Ripple project (linked to the Centre for Irish Towns); and Dr Tancredi Caruso's SFI Frontiers for the Future award for a project on resilient agriculture (linked to Re-EcoNet).

The Strategic Priority project *Measuring Sustainable Actions at Community Level: Community SDG Dashboard*, an academic-community partnership led by Dr Ainhoa Gonzalez Del Campo between UCD researchers and the Dundrum 2030 community group, launched a new interactive online tool in November 2021. The dashboard aims to help communities monitor local progress towards sustainability, foster new links and support voluntary engagement.

In spring 2022, the Institute hosted an exhibition on the German energy transition, or *Energiewende*, in partnership with the German Embassy and launched by the German Ambassador Cord Meier-Klodt. The interactive exhibition, displayed in the UCD O'Brien Centre for Science, explored topics including renewable energy, mobility and transport, and a just transition. The exhibition was the basis for a series research meetings, school and community group visits and a meeting of the German-Irish Hydrogen Council.

The Institute collaborated with the UCD Alumni Office on a miniseries of online talks in the popular *In Conversation* series focusing on the UN Sustainable Development Goals, exploring origins and progress, responding to the climate crisis, the role of business and food production, food insecurity and food waste. Over 500 people attended the four events, with speakers drawn from the UCD alumni and academic communities including David Donoghue, formerly Ireland's Permanent Representative to the UN, and John Bell from the European Commission.

The most prominent highlight for UCD Energy Institute was the launch of the €16 million energy systems programme NexSys, a strategic partnership co-funded by SFI with industry

UCD Energy Institute

The most prominent highlight for UCD Energy Institute was the launch of the €16 million energy systems programme NexSys, a strategic partnership co-funded by SFI with industry. The new centre represents a graduation from ESIPP, the Energy Systems Integration Partnership Programme. It is an all-island, multidisciplinary energy research programme hosted at UCD, in partnership with ESRI, DCU, Queen's, NUI Galway, Maynooth University, TCD, UCC, and Ulster University.

NexSys has made significant developments in recruitment, public and media engagement, and secured new external investment including a €833,000 Performance Award from the HEA. The grant was awarded for one of six successful impact case studies out 18 submitted by higher education institutions around Ireland.

Other highlights from Institute members include a US-Ireland R&D award granted to energy sustainability project 'Intelligent Data Harvesting for Multi-Scale Building Stock Classification and Energy

Performance Prediction,' led by Dr James O'Donnell. Partnering on the project are Professor Neil Hewitt, University of Ulster and Professor Wangda Zuo, University of Colorado Boulder. The project is one of seven in a €9 million joint investment between US, ROI and Northern Ireland.

UCD Energy Institute and Gas Networks Ireland are collaborating on a project that could see Irish homes embrace hydrogen energy, led by UCD's Dr Ali Ekhtiari, Dr Eoin Syron and GNI's Liam Nolan. Work is being carried out in the Institute's Energy Lab and GNI's new hydrogen innovation facility in west Dublin. Gas Networks Ireland operates Ireland's €2.7 billion, 14,617km national gas network. The project aims to understand the full potential of hydrogen and ensure Ireland's gas pipelines are capable of safely transporting and storing this carbon-free gas.

UCD Institute of Food and Health

PhD candidate, Róisín O'Sullivan was selected as the inaugural UCD–UC Davis International Innovator Fellow. A student with Professor Frank Monahan and Professor Olaf Schmidt in Food for Health Ireland, she spent time in California in 2022, with venture capital company FTW Ventures and with Professor David Mills in the Department of Food Science and Technology at UC Davis.

Throughout the year the expertise of institute members was recognised through their contributions to high-level international committees, publications and events. Professor Nick Holden and

Associate Professor Tom Curran contributed to the publication 'SDG 11, Sustainable Cities and Communities, Moving Forward with the Circular Economy' as part of a World Universities Network meeting in Ghana. Professor Holden was also one of the co-authors of the FAO publication 'Integration of Environment and Nutrition in Life Cycle Assessment of Food Items: Opportunities and Challenges.' Professor Kevin McDonnell spoke at the UN Committee on Food Security on the role of digital agriculture.

The All-island Food Initiative, Food-I, led and co-chaired by institute PI Professor Fiona Doohan, was officially launched in March (see Research Highlights). The launch included addresses by Minister Charlie McConalogue TD, DAFM, and Minister Edwin Poots, Department of Agriculture, Environment and Rural Affairs, NI. Professor Eileen Gibney has taken over from Professor Doohan as the new UCD lead of Food-I and will direct the initiative into its next phase.

The Institute extended its links to external bodies and agencies with the appointments of Professor Wayne Anderson, FSAI Chief Specialist in Food Safety, and Professor Pamela Byrne, FSAI CEO, as Adjunct Professor and Adjunct Full Professor, respectively.

IFH also continued its extensive outreach and public engagement events programme during the year, including its popular online 'Food and Health' public lectures and 'Research Bites' series. Institute members were also featured on many media platforms throughout the year promoting their research activities.



UCD and University of California, Davis (UC Davis) signed an MoU for a new International Innovator Fellowship programme at the UC Davis Innovation Institute for Food and Health (IIFH), focused on working with academic and industry partners to incorporate metabolic design into foods and beverages. The first successful student was Róisín O'Sullivan who is pursuing her PhD at the UCD School of Agriculture and Food Science.

UCD Geary Institute for Public Policy

The Institute supported two successful Horizon Europe bids, both with UCD as lead partner: GUIDEPREP, Growing Up in Digital Europe (€2.3 million) led by Professor Jennifer Symonds, UCD School of Education; and EQUALSTRENGTH, Investigating Inequality Among Racial, Ethnic and Religious Minorities (€2.8 million) led by Dr Mat Creighton, UCD School of Sociology.

The Institute secured important awards from Irish funders. Dr Leonhard Lades, UCD School of Architecture, Planning and Environmental Policy was awarded €199,015 by the Environmental Protection Agency for 'Climate Change Evidence Needs' in 2022. The Institute has run the European Social Survey Irish module since 2019 and this year secured a €400,000 contract from the Irish Research Council to run ESS Round 11, to be led by Dr Micheál Collins, UCD School of Social Policy, Social Work and Social Justice, and Dr Mat Creighton, UCD School of Sociology.

The long-standing Geary Institute Seminar Series, organised by Dr Dorren McMahon, continued this year, with 23 seminars.

The Institute co-hosted the 10th Annual NERI Labour Market Conference in June with the Nevin Economic Research Institute. Over 100 delegates attended.

Also in June, the Institute facilitated a conference entitled Bringing Large Families Back on the Policy Agenda, organised by Dr Stefan Köppe, UCD School of Social Policy, Social Work and Social Justice.

The Institute ran a series of information events on securing Horizon Europe Funding. Horizon SOS highlighted the latest calls, changes to funding conditions, and the supports the Institute can provide applicants.

The Institute's successful online policy dissemination platform – Public Policy.ie – published 14 papers this year which examined key policy issues. The website is getting a new look which will be launched in mid-September 2022.

UCD Humanities Institute

UCD Humanities Institute celebrated its 20th anniversary late in 2021 with the return of resident PhDs and postdocs, the rollout of a face-to-face lunchtime seminar series, the annual HI PhD conference in March 2022, the expansion of the Institute's international partnerships and the growth of its membership base

to over 120 across 16 Schools and 4 Colleges. Now in its 21st year, the Institute has established itself as a pivotal centre for interdisciplinary humanities research in Ireland.

In January 2022, HI was awarded a highly competitive research grant funded by the Andrew W Mellon Foundation under the Consortium of Humanities Centers and Institutes (CHCI). 'Post-extractivist legacies and landscapes' (PIs: Professor Anne Fuchs, Dr Megan Kuster, Dr Sarah Comyn) investigates creative arts practices and local activism in the transition from mining to post-mining in Ireland, Estonia, South Africa, Oceania and the United States. A vibrant network of international partnerships with the universities of Tallinn, Witwatersrand, ANU and Rice is complemented by local partnerships with UCD Earth Institute, UCD College of Arts and Humanities Environmental Humanities Research Strand, iCRAG, the Museum of Literature Ireland (MoLI) and Irish artist Judy Carroll Deeley who will produce visual art works and a reflexive journal in response to the research.

In 2021, the Institute also launched the second round of competitive funding for the eight College thematic research strands, which is co-funded by UCD Research. The Institute provides strategic seed funding in support of competitively selected projects, e.g. Cultural Imaginaries of Just Transitions (Environmental Humanities Strand); Reading Spaces; Fictional Spaces; Textual Spaces; and Spaces of Encounter (Thresholds of Knowledge strand (questions of spatiality, textuality and the aesthetics of encounter through four interrelated themes)).

Professor Catherine Flynn, University of Berkeley delivered the Annual Distinguished Guest Lecture in collaboration with MoLI, to mark the centenary of Ulysses, on 'Circe and the Phantasmagoria of Capitalism' in June. The lecture formed part of the museum's year-long odyssey and is available as a podcast. The podcast series continues to grow with hundreds of podcasts (available on Spotify, Soundcloud and iTunes) attracting a local, national and international audience, with 1200 monthly downloads on average.

Innovation

UCD is committed to its key role in Ireland's innovation and knowledge exchange ecosystem as an enabler of economic growth and as a contributor to economic, cultural and social development.

We support this commitment through our innovative and entrepreneurial students and graduates, the development of partnerships with businesses, Government agencies and social and cultural enterprises, the commercialisation of research outputs, generating, supporting and scaling new ventures with global ambitions and creating jobs.

Since 2003 NovaUCD has supported over 500 start-ups and early-stage ventures and the NovaUCD entrepreneurial community has raised some €1 billion in equity funding to date. During the year Wayflyer, a revenue-based financing and growth platform for eCommerce businesses, secured \$150 million in a Series B funding round, with a post investment valuation of \$1.6 billion, making the company Ireland's sixth tech 'unicorn'.

Wayflyer was established in 2019 by Aidan Corbett and Jack Piere as a spin-out from Conjura, a NexusUCD-headquartered

Over 500

start-ups and early-stage ventures have been supported by NovaUCD since 2003 and the NovaUCD entrepreneurial community has now raised some €1 billion in equity funding to date

company, co-founded by Aidan and Fran Quilty in 2018. Conjura has developed a platform which provides customer analytics to drive business performance and growth.

During the year Taoiseach Micheál Martin TD officially opened the €6.7 million expansion of NovaUCD during a visit to the University. The expansion project involved the renovation and expansion of NovaUCD's East Courtyard and has resulted in 800m² of additional licensable space enabling NovaUCD to increase its capacity to house high-tech start-ups with global ambitions by over 50%. During a tour of NovaUCD the Taoiseach received technology demonstrations from a number of start-ups located in the East Courtyard including, Equal1 Laboratories, Manna, Output Sports and PlasmaBound.

Update on New Initiatives and Programmes

The ESA BIC Ireland Consortium which NovaUCD joined last year approved five start-ups to the business incubation programme during the year. The start-ups, from a range of sectors including agri-tech, med-tech, micro-mobility and cybersecurity, each receive €50k non-equity funding, ESA technical support, mentoring and business workshop support. The growth of the ESA-BIC ecosystem across Phase 2 will continue to stimulate innovation and collaboration between start-ups nationally and across other ESA Member States.

NovaUCD and IADT Media Cube officially launched the new five-year New Frontiers Programme partnership during the year. After a competitive process 13 entrepreneurs were selected for a place on Phase 2 of the New Frontiers Programme run by NovaUCD and IADT Media Cube from just under 60 applications.

These entrepreneurs completed a six-month intensive programme where they attended workshops, had regular mentor meetings that have helped refine and develop their business ideas. Following a final pitching competition four start-ups, SayLing, Sonalife, StroHab and TaxZap, won prizes of professional services and desk space at NovaUCD.

The NovaUCD Mentors and Business Partners Network has continued to grow, the network now has over 150 members. The commercial and professional members provide mentoring and advice to students and researchers who are seeking to develop start-up ideas at the early stage and in several cases, collaboration develops into partnerships with members becoming investors and executives in the maturing start-up businesses.

An example of a successful business partnership fostered by NovaUCD through this network is the engagement of Edward Simons with EpiCapture a spin-out from the UCD School of Biomolecular and Biomedical Science, based on the research of Associate Professor Antoinette Perry.

A new programme has been developed at NovaUCD to support research teams in making contact with prospective trial partners for their innovations. Developed over the past three years, the Customer Discovery Programme engages with start-up teams in a structured programme of customer interviews to validate the value propositions of the start-ups.

During the programme interns are introduced from the MSc in Management Consulting at the UCD Michael Smurfit Graduate Business School who work closely with the start-up team to identify a critical mass of prospective customers for the start-up's product or service.



Pictured (l-r) at the official opening of NovaUCD's renovated and expanded east courtyard are Prof Orla Feely, UCD Vice-President for Research, Innovation and Impact, Taoiseach Micheál Martin TD and Tom Flanagan, UCD Director of Enterprise and Commercialisation.

Under the direction of the NovaUCD New Ventures team the interns undertake a digital marketing campaign to promote and connect the start-up with prospective trial customers with whom they can conduct interviews or engage in experiments to validate key value points that measure the impact of their innovation.

The NovaUCD and UCD Lochlann Quinn Business School Enterprise Scholarship is now in its fourth year. This scholarship allows a student the opportunity to complete a year-long internship with two start-ups at NovaUCD. This programme recognises the distinct value students gain from working in this sector, particularly a student with a genuine interest in entrepreneurship and potentially an ambition to start their own business.

Commercialisation of Research Outputs

Through UCD's knowledge transfer team based at NovaUCD, researchers from UCD and the National College of Art and Design are assisted with the identification and protection of intellectual property (IP) arising from research programmes and extending to the commercialisation of IP through licensing to companies and through the formation of spin-out companies.

During the year researchers reported a total of 60 inventions. In addition, 23 priority patent applications were filed by UCD across areas of agriculture and food, energy, engineering, environment, information and communication technology, life sciences and veterinary medicine. Twenty-nine licence agreements were also concluded by UCD with a range of indigenous and international companies.

Seven new UCD spin-out companies, AER Therapeutics, Attenuate Therapeutics, Carbon Harvesters, EpiCapture, Go Eve, recsyslabs and WeCrut were incorporated, registered and formally reported during the year.

AER Therapeutics is a clinical stage biopharmaceutical company developing a novel inhaled approach to treat lung disease with excess mucus and mucus plugs. The company, a joint University of California San Francisco and UCD spin-out company, was founded by Dr John Fahy, Professor Stephen Carrington and Professor Stefan Oscarson, UCD School of Chemistry.

Attenuate Therapeutics is developing novel best-in-class lipoxin mimetics for the modulation of aberrant inflammatory responses. The company was founded by UCD Conway Institute investigators, Professor Catherine Godson and Dr Eoin Brennan, UCD School of Medicine and Professor Patrick Guiry, UCD School of Chemistry.

Carbon Harvesters is developing a platform that provides dairy farmers with a tool for monitoring, reducing and certifying the carbon footprint of their operations. The company was founded by Luis Alejandro Vergara, a PhD student in the UCD School of Biosystems and Food Engineering under the supervision of Dr Fionnuala Murphy.

EpiCapture is developing a novel urine DNA test for aggressive prostate cancer which measures six epigenetic biomarkers indicative of aggressive disease, using a widely available PCR platform. The company was founded by Associate Professor Antoinette Perry, UCD School of Biology and Environmental Science and Edward Simons.

Go Eve is commercialising a patent-pending 'DockChain' technology for charging electric vehicles at scale. The company, a joint UCD and Imperial College London spin-out was founded by Hugh Sheehy, John Goodbody, Professor Robert Shorten, Dr Pietro Ferraro and Andrew Cullen.

recsyslabs has developed an explainable and privacy preserving content recommendation system which utilises artificial intelligence. This system will make it easier for content publishers to deliver tailored newsletters based on readers' interests, whilst also preserving their privacy and making it easy for them to see why specific content was recommended. The company was founded by Dr Ernesto Diaz-Aviles, Dr Claudia Orellana-Rodriguez and Dr Igor Brigadir, UCD School of Computer Science and the Insight SFI Research Centre for Data Analytics.

WeCrut is developing a data-analytical measurement system called the Total Patient Value Toolkit (TPV-T) which enables pharmaceutical and medtech companies to identify key patient outcomes during drug/product development. The company was founded by Dr Daniel Regan, UCD School of Biomolecular and Biomedical Science.

ConsultUCD

Through ConsultUCD, the University's managed consultancy service, members of the UCD academic community can share their expertise and knowledge with external organisations.

ConsultUCD was established in 2017 and since then the number of academics using the service, the number of projects and the income brought into UCD have grown steadily year on year. Consultancy is one way in which academics can demonstrate the impact of their research.

Examples of recent projects include:

Associate Professor Mike Long, UCD School of Civil Engineering has collaborated with Arup, a global consulting firm of engineers, designers and advisors, over many years. He has acted as a geotechnical consultant and peer reviewer on a range of Arup's projects in recent years. Arup staff have also supported UCD by collaborating on research, mentoring students' dissertation research and undertaking guest lecturing.

UCD students regularly complete internships and work placements at Arup, with several subsequently joining as graduates. Arup is currently supporting UCD in the delivery of a major research project on behalf of Transport Infrastructure Ireland.

Dr Aifric O'Sullivan, UCD School of Agriculture and Food provided expertise and advice to Dairygold in formulating their Aerabo Adult Nutrition product range.

Dr O'Sullivan worked with Dairygold to advise on new concepts they were considering bringing to market. She reviewed the nutrient composition of their Adult Nutrition concepts and advised on potential modifications to the nutrient profile to target key market segments as well as advising on the callout ingredients that should be to the forefront of each concept. Dr O'Sullivan's input was invaluable in adding credibility to the process and Dairygold will now launch the full range for year-end 2022.

Over the last few years Assistant Professor Stephen Davis, UCD School of Archaeology has carried out a number of LiDAR analysis projects for several County Councils across Ireland. Dr Davis uses LiDAR data to detect archaeological features in the landscape where it is planned to construct roads or motorways. Dr Davis's expertise allows the construction companies and councils to understand the impact of their planned projects and to adjust their plans as required.

Partnering with Industry

UCD has a strong track record of working with industry and seeks strong and strategic engagement with business and with social and cultural enterprises; adding value, expanding networks and exploring new opportunities to deliver impact through partnership.

Our innovation ecosystem includes large-scale industry collaborative programmes such as SFI-funded centres and strategic partnerships, and Enterprise Ireland-funded and industry-led technology centres.

Over 60 companies, ranging from early-stage high-tech start-ups to established innovation-led companies, are now located at UCD at any one time. These companies, which cover sectors from agriculture and food to life sciences to ICT to physical sciences, engineering and cleantech, are primarily based at NovaUCD or NexusUCD, the Industry Partnership Centre, or have located elsewhere on campus in order to collaborate more closely with UCD.

NovaUCD Support Programmes

The NovaUCD team also supports researchers in the commercialisation of IP outputs through a series of training programmes including the Commercialisation Bootcamp and the VentureLaunch Accelerator Programme. NovaUCD also supports

the development of student entrepreneurial talent through the BT Young Scientist Business Bootcamp and the NovaUCD Student Enterprise Competition.

UCD Commercialisation Bootcamp

Participants on this year's Commercialisation Bootcamps represented a total of 12 potential commercial projects emerging from research taking place at UCD. The overall aim of the Bootcamps is to strengthen the pipeline of commercial opportunities arising from programmes. This year's Bootcamps held in October and February were successfully delivered in-person.

Go Eve wins 2021 UCD VentureLaunch Accelerator Programme

Go Eve a start-up focused on bringing a novel electrical vehicle (EV) charging system to market won the 2021 UCD Start-Up of the Year Award.

Go Eve, a joint UCD and Imperial College London spin-out, won the award and a €32,000 prize fund, after being declared overall winner of the 2021 UCD VentureLaunch Accelerator Programme. The annual programme, which is run by NovaUCD, aims to support the creation and launch of sustainable and profitable new start-ups emerging from the University.

Go Eve is focused on commercialising a patent-pending 'DockChain' technology for charging EVs at scale. The DockChain innovation allows multiple parking spaces to be rapidly 'electrified' from one base power source with a daisy chain of inexpensive and simple charging points. The technology can significantly reduce the costs involved with charging large numbers of EVs, or where rapid vehicle turnaround is required, and can remove the operational inconvenience of moving vehicles around chargers.

The technology was originally invented by a team of academics and researchers led by Professor Robert Shorten, UCD School of Electrical and Electronic Engineering. Professor Shorten subsequently moved to Imperial College London where the technology is being further advanced by him and his team.

Go Eve was founded by Hugh Sheehy, who completed the 2021 UCD VentureLaunch Accelerator Programme, John Goodbody, Professor Robert Shorten, Dr Pietro Ferraro and Andrew Cullen.

2022 BT Young Scientist Business Bootcamp

A team of five students were declared the overall winners of the 2022 BT Young Scientist Business Bootcamp held at UCD for a project entitled 'Ahead of the Curve'. This project is focused on investigating sports-related injuries and seeks to design and develop wearable technology to better enable the measurement and recording of head impacts.

The BT Young Scientist Business Bootcamp, now in its 13th year, was established by BT Ireland in 2010 and is delivered in partnership with NovaUCD to give students the commercialisation skills they need to develop their BT Young Scientist and Technology project ideas into viable business ventures.

A total of 30 students took part in this year's four-day in-person bootcamp.



Standing (l-r) are Taha Fareed Farooqi, Sophie Creedon and Hannah Walsh and seated (l-r) are Claudine Mulihamo and Harry O'Connor overall winners of the 2022 BT Young Scientist Business Bootcamp, delivered by BT Ireland in partnership with NovaUCD, for a project entitled 'Ahead of the Curve'.



Pictured (l-r) at NovaUCD are strive team members, Aness Al Qawlaq, Saoirse Kelders and Sean Hughes, overall winner of the 2022 NovaUCD Student Enterprise Competition.

2022 NovaUCD Student Enterprise Competition

The NovaUCD Student Enterprise Competition, an intensive four-week mentoring programme for student entrepreneurs, took place during the year. The programme is now in its eighth year and is run by NovaUCD as a framework to support undergraduate and postgraduate students who want to work together to develop and grow start-ups.

A total of eleven early-stage students ventures and 24 participants took part in year's competition which was held in person. Over 60 early-stage ventures and nearly 150 students have now completed the NovaUCD Student Enterprise Competition over the last eight years.

Following a series of pitches to a panel of judges, strive, an emerging HR start-up, was declared overall winner and won a €5,000 cash prize.

strive is developing an online platform to match students and recent graduates to job opportunities by providing an optimal fit between the individual and the employer using a machine learning algorithm and an intuitive user experience.

strive aims to focus on providing higher quality information about career opportunities, transparency and data driven insights to empower students to find careers they are truly passionate about and to enable employers to improve retention rates and hire better suited candidates for their organisation.

The members of the strive team are Saoirse Kelders, who has just completed her studies in the UCD Lochlann Quinn School of Business, Raena McElwee, who has just completed her studies in the UCD School of Mathematics and Statistics along with Yevhenii Mormul and Aness Al Qawlaq, both undergraduate students in the UCD School of Electrical and Electronic Engineering, and Sean Hughes, a graduate of Global Commerce at NUI Galway.

Over 60
early-stage ventures and nearly
150 students have now completed
the NovaUCD Student Enterprise
Competition over the last eight years

Two other participating start-ups, Trust Homes and ELTC.earth, were announced as second and third place winners and received €3,000 and €2,000 cash prizes respectively.

The sponsors of the 2022 NovaUCD Student Enterprise Competition were, AIB, Arthur Cox, Deloitte, Ericsson, Goodbody Stockbrokers and Xilinx.

AgTechUCD Innovation Centre

AgTechUCD, based at UCD Lyons Farm and part of NovaUCD, is focused on accelerating the launch and scaling of AgTech and FoodTech start-ups in Ireland and has been funded through the Regional Enterprise Development Fund administered by Enterprise Ireland.

In August all approvals were received to begin construction of the AgTechUCD Innovation Centre at UCD Lyons Farm. During the year a number of start-ups such as Cotter Agritech, FreshGraze and Micron Agritech began testing their products and services at the UCD Lyons Farm, facilitated by AgTechUCD.

AgTechUCD Agccelerator Programme

During the year eight start-ups completed the inaugural AgTechUCD Agccelerator Programme. This intensive twelve-week virtual programme for AgTech and FoodTech start-ups, included dedicated business development workshops and investor readiness training, mentoring from AgTech and FoodTech experts and business advisors, guest speakers and facilitated introductions to AgTechUCD's venture capital and business angel networks.

At the end of the programme and following a series of final pitches to the judging panel Cotter Agritech was named the AIB and Yield Lab AgTech Start-up 2022 and received a €10k prize, Proveye was named the Ornua Most Innovative AgTech Start-up 2022 and received a €10k prize and Izario was named the AgTechUCD One to Watch 2022 and received a €8k prize sponsored by Devenish, Herdwatch and Carbery.

Cotter Agritech, a Limerick-based start-up, was founded by brothers Jack and Nick Cotter, with a vision of dramatically reducing chemical use in agriculture while improving productivity and profitability. The company has developed a system that uses advanced algorithms to enable livestock farmers transition from blanket treating animals with antiparasitic drugs, to a very precise application by identifying and targeting only the animals that need treatment.

Proveye, a UCD spin-out founded by Dr Jerome O'Connell and Professor Nick Holden, UCD School of Biosystems and Food Engineering uses first-to-market intellectual property to process and analyse UAV and satellite imagery to obtain insights into the efficiency and sustainability of the agricultural industry. The software gives unprecedented accuracy in the measurement of crop yield, disease detection, productivity and environmental impact from leaf to field to farm to the national scale.

Izario, based in Galway and founded by Raymond Heneghan and Stepan Dzhhanov has developed an autonomous robot that operates in broiler-breeder and commercial egg-laying hen barns. The robot carries out tasks similar to the farmer such as picking floor eggs, monitoring bird health and welfare along with monitoring the sheds environmental outputs. The robot reduces labour inputs whilst also allowing farmers/processors to make informed decisions based on data.

Inside AgTech Webinar

A webinar on 'Funding Opportunities for Agri-Businesses' took place in May with Liz Gavin, Managing Director of EUR Digital Village with over 100 attendees. She discussed the types of funding available to agri-businesses, EU and Irish funding programmes and opportunities, eligibility, the best platforms for finding and applying for funding with tips for successful funding application preparation.

REISS Project

During the year AgTechUCD secured funding through Enterprise Ireland's Regional Enterprise Innovation Scoping Scheme (REISS) to carry out a feasibility study to further design and develop a scale-up and grow programme for female entrepreneurs, founders, co-founders or those in leadership positions in start-ups and SMEs in the agri-food, agtech, agri and veterinary markets. A series of interviews with potential participants, supporters and other stakeholders are ongoing as input to final report for submission to Enterprise Ireland.

Mentoring

AgTechUCD runs a monthly mentoring event where tech/digital companies in the early stages of scaling get the opportunity to sit down for a one-on-one session with experienced, serial entrepreneurs and industry experts who have successfully built and scaled a business or businesses in return for advice, guidance and introductions. A number of AgTech start-ups and scale-ups have participated in these monthly events during the year.

2022 NovaUCD Innovation Awards

The NovaUCD Innovation Award was established in 2004 to highlight UCD's commitment to innovation. This year the awards included seven categories, in addition to the NovaUCD Innovation Award. They recognise and celebrate knowledge transfer, consultancy and entrepreneurial achievements and successes, and the promotion of an innovation culture, made by members of the UCD research and innovation community. The recipients of the 2022 NovaUCD Innovation Awards are profiled on page 52.

Acquisition and Fundraising Successes

During the year Linus Health, a Boston-based digital health company focused on brain health, completed its acquisition of Kinesis Health Technologies, a leader in physical function assessment for older adults. Founded in 2013 as a spin-out from UCD by Seamus Small and Dr Barry Greene, Kinesis has grown to offer a suite of objective, evidence-based tools for assessing gait, balance, mobility, falls risk and frailty.

At the time of its acquisition Kinesis had built a robust validation base with over 70 peer-reviewed publications and a network of research partnerships around the world. In addition, its customers, spanning numerous countries including the US, Canada, the UK and Ireland, have conducted more than 40,000 patient assessments to date with Kinesis' technology.

Wattics, an innovative global provider of energy management analytics and monitoring software, which, was established in 2011 by Dr Antonio Ruzzelli as a UCD spin-out was acquired by EnergyCAP. EnergyCAP, headquartered in Pennsylvania, is a pioneer in energy and sustainability enterprise resource planning software.

BioSimulytics, a UCD spin-out company, secured €595k in initial seed funding from a number of strategic angel investors and Enterprise Ireland. BioSimulytics, headquartered at NovaUCD has developed a novel software solution, using a powerful combination of AI, machine learning, computational chemistry, quantum physics and high-performance computing (HPC), to drive smarter, faster and more cost-effective R&D processes in the design and development of new drugs. BioSimulytics was founded by Professor Niall English, Dr Christian Burnham, and Peter Doyle as a spin-out from the UCD School of Chemical and Bioprocess Engineering.

Conjura, a leading e-commerce data analytics platform, raised €15 million in a Series A funding round co-led by Act Venture Capital and MiddleGame Ventures, with participation from Tribal VC. Conjura, with offices at NexusUCD, is pioneering the next generation of e-commerce data analytics by equipping businesses of all sizes with enhanced visibility over their entire operations on a single cloud-based platform, as opposed to multiple and disconnected tools.

€700,000

in seed funding secured from angel investor and former HSE chairman Dr Frank Dolphin and Enterprise Ireland for seamlessCARE, a UCD digital health spin-out

CropBiome, a joint UCD and TCD spin-out, closed a €1.3 million funding round. Angels from HBAN Singapore and HBAN Bloom Equity syndicate invested €405K in the company with other investments coming from lead investor DeepIE Ventures Management Company Ltd and Enterprise Ireland.

The company, headquartered at NovaUCD, sources, selects, ferments, characterises and tests microbes (organisms) derived from wild plant species that are closely related to mass-produced wheat and other cereal crops. The microbes, which are natural and harmless to plant and animal life, are used to create seed dressings, which coat the raw seeds of the mass-produced crops, and produce healthier crops as a result.

The company was co-founded by Professor Fiona Doohan, UCD School of Biology and Environmental Science along with Professor Trevor Hodkinson and Dr Brian Murphy, TCD.

Equal1 Laboratories (Equal1), the UCD silicon quantum computing spin-out, secured €10 million in blended (grant and equity) funding through the European Innovation Council Accelerator programme. Equal1 is addressing a major challenge for the quantum computing industry, to scale the number of qubits so that a quantum computer can tackle useful, real-world problems. The company's quantum technology is particularly suited to quantum Artificial Intelligence and machine learning.

The company also closed a multi-million euro funding round led by btov Industrial Technologies with Atlantic Bridge and other Equal1 investors, including 808 Ventures and Enterprise Ireland. The company has now secured a total of €20 million in investment. During the year, Equal1 founded by Dr Dirk Leipold, Mike Asker and Professor R Bogdan Staszewski as a spin-out from the UCD School of Electrical and Electronic Engineering graduated from NovaUCD to NexusUCD.

Latch Medical a UCD spin-out headquartered at NovaUCD, has secured a strategic investment from West Pharmaceutical Services, Inc. West headquartered in Exton, Pennsylvania is a global leader in innovative solutions for injectable drug administration. Latch Medical founded in 2019 by Dr Nicky Bertollo and Ronan Byrne is a leader in next-generation vaccine and biologics delivery technology that is pioneering a new approach to intradermal delivery.

Oblivious AI, an Irish data privacy start-up headquartered at NovaUCD, secured €900k in an initial seed funding round from Atlantic Bridge, Act Venture Capital, Hustle Fund and a group of angel investors. Oblivious AI, co-founded by Robert Pisarczyk

and Jack Fitzsimons, has developed pioneering Privacy Enhancing Technologies (PETs) to help organisations keep sensitive data safe while creating insight opportunities for the data owners.

PlasmaBound, a UCD spin-out headquartered at NovaUCD, closed a €2.35 million funding round led by Act Venture Capital, and supported by the Atlantic Bridge University Fund, Enterprise Ireland and a number of private investors.

The company's Controlled Polymer Ablation (CPA) technology is attracting significant interest in several sectors, where it empowers global industry to achieve their sustainability goals, particularly in carbon reduction and battery range extension. The technology is deployed in a SaaS model, with term-based licensing. PlasmaBound was co-founded by Dr James Nicholas Barry, Alan Barry and Xavier Montibert as a spin-out from the UCD College of Engineering and Architecture.

seamlessCARE Ltd, a UCD digital health spin-out, secured a total of €700,000 in seed funding from angel investor and former HSE chairman Dr Frank Dolphin and Enterprise Ireland. seamlessCARE's products are focused on enhancing communication and support the care of people with autism, acquired brain injury, dementia, intellectual disability and a wide range of other conditions.

The company was co-founded in 2021 by Dr Aviva Cohen, Ian Kennedy and Dr Çağrı Çubukçu as a spin-out from the UCD School Mechanical and Materials Engineering with the support of NovaUCD.

Zipp Mobility, the Irish shared micromobility operator headquartered at NovaUCD, secured €6.1 million in funding (mixture of debt and equity), led by Fasanara Capital, a UK-based asset manager, and follow-on investment from a number of existing investors. Zipp, founded by Charlie Gleeson, is now operating e-scooter and e-bike schemes in nine cities across Ireland, UK and Poland.

Awards and Other Successes

PEARlabs, a UCD spin-out supported by NovaUCD, was named winner of the Viewers' Choice Award at Enterprise Ireland's 2021 Big Ideas event. The aim of Big Ideas is to empower the front runners in Irish research to take centre stage and pitch their technology solutions and business propositions, to an audience comprised of the Irish research and investment communities.

PEARlabs, founded by Professor Dominic Zerulla as a spin-out from the UCD School of Physics has developed a novel photonic chip which enables ultra-high spatial resolution at video rates in optical microscopy, far beyond the diffraction limit of visible light. The PEARlabs technology aims to transform the understanding of processes such as cell signalling and cell proliferation in cancer and other life-threatening diseases.

Vivid Edge, a climate action impact company headquartered at NovaUCD was named winner of the 2022 ESG Finance Award, as part of the inaugural Business and Finance ESG Awards. Vivid Edge simplifies the net zero journey for large organisations, saving them time, risk and capital, by delivering energy efficiency retrofits as a service. Vivid Edge funds 100% of the fully installed cost. Customers pay a monthly service fee once installed, with the energy savings often more than covering the fee. This enables these organisations to save energy and cut costs while helping the planet.

Pictured (l-r) at the launch of Convene are; Prof Orla Feely, UCD Vice-President, Research, Innovation and Impact; David Carson, Chair, TU Dublin Governing Body; Prof Suzi Jarvis, Convene Lead, UCD Innovation Academy; Taoiseach Micheál Martin TD; Dr Deirdre Lillis, Convene Lead, TU Dublin and Prof David FitzPatrick, President, TU Dublin.



UCD Innovation Academy

During the last year over 1,700 learners completed a UCD Innovation Academy programme or module.

The UCD Innovation Academy continues to build on its work under the Human Capital Initiative (HCI) Pillar III, an historic partnership between UCD Innovation Academy and TU Dublin totalling €17.5 million in funding, of which €6.1 million (2020-2024) is assigned to UCD Innovation Academy.

Key highlights during this period, enabled through UCD Innovation Academy's HCI project Convene, include:

- The launch of Ireland's first multidisciplinary MakerSpace undergraduate module, Designing the Future. The module was launched the same week as the COP26 climate conference in Glasgow and is designed to offer students a hands-on, learning experience to discover skills essential to a more sustainable future.
- The launch of Ireland's first virtual reality undergraduate module designed to nurture transversal skills. The module, designed in partnership with industry, combines cutting-edge technology with an immersive, experiential programme, offering students the dual benefit of nurturing in-demand transversal skills as well virtual reality literacy.
- A flagship event hosted at UCD Innovation Academy in March 2022, the Convene Enterprise Forum, endorsed by Minister for Further and Higher Education, Research, Innovation and Science, Simon Harris TD.
- An innovative new partnership between UCD Innovation Academy and Revolution Farm and Kitchen, a sustainability microbusiness which makes ragu from mushrooms grown out of nutrient rich, spent coffee grounds collected on campus at UCD.

The UCD Innovation Academy remained a popular choice for undergraduate student electives in 2021/22 and maintained the historically high numbers it saw during the pandemic. In total 1,112 undergraduates completed elective modules at UCD Innovation Academy in 2021 /22.

The UCD Innovation Academy continues to build on its work under the Human Capital Initiative (HCI) Pillar III, an historic partnership between UCD Innovation Academy and TU Dublin totalling €17.5 million in funding, of which €6.1 million (2020-2024) is assigned to UCD Innovation Academy

Outside of the UCD Innovation Academy's HCI work, it also secured €1.24 million per annum of multiannual government Springboard funding for an initiative to provide higher education programmes to those in work and those seeking work.

Two new programmes were funded by Springboard – the Professional Diploma in Innovation for Sustainability and the Graduate Certificate in Digital Transformation, Technology and Resilience – along with the Academy's other longstanding successful programmes. In total, 429 learners from across Ireland completed one of the UCD Innovation Academy's Springboard programmes in 2022.

UCD Innovation Academy continued its work to enable innovation across enterprise and the public sector during 2021/22 and in recognition of this the Academy's founding director, Professor Suzi Jarvis was appointed to the inaugural Public Sector Innovation Advisory Board. The Board's purpose is to monitor the effective implementation of the Public Service Innovation Strategy by providing relevant advice and to challenge and support the Public Service on innovation policy and activity.

2022 NOVAUCD INNOVATION AWARD WINNERS



Professor Dominic Zerulla

Pictured is **Professor Dominic Zerulla**, UCD School of Physics, recipient of the **2022 NovaUCD Innovation Award**. Since 2014 Professor Zerulla has disclosed 11 inventions to NovaUCD, 5 of which have been patented, and founded PEARlabs, a UCD spin-out company. PEARlabs has developed a novel photonic chip which enables ultra-high spatial resolution at video rates in optical microscopy, far beyond the diffraction limit of visible light and has the potential to aid early diagnostics, precision medicine and the delivery of improved drug treatments.



Dr John McCallig

Pictured is **Dr John McCallig**, UCD Lochlann Quinn School of Business and UCD Michael Smurfit Graduate Business School, recipient of the **2022 NovaUCD Invention of the Year Award**. Dr McCallig's invention is to use privacy preserving analytics to collect and share commercially sensitive information about VAT obligations and payments. This innovation can confirm that the proper VAT payments have been made, in real-time and without breaching the privacy of the individuals or firms.



Dr Sarah Cotterill

Pictured is **Dr Sarah Cotterill**, UCD School of Civil Engineering and UCD Dooce Centre for Water Resources Research, recipient of the **2022 NovaUCD Consultancy of the Year Award**, for a consultancy study entitled 'A Framework for Improving Domestic Water Conservation in Ireland', commissioned by An Fóram Uisce (the Water Forum) through ConsultUCD.



Aidan Corbett

Pictured is **Aidan Corbett**, co-founder, Wayflyer, recipient of the **2022 NovaUCD Outstanding Achievement Award**. In early 2022 Wayflyer became Ireland's sixth tech unicorn on securing a \$150 million Series B funding round. Wayflyer was co-founded in 2019 by Aidan and Jack Piersie as a spin-out from Conjura, a NexusUCD-headquartered company which he had previously co-founded.



Sheena Bailey and Louella Morton

Pictured are **Sheena Bailey and Louella Morton**, co-founders of TestReach, recipients of the **2022 NovaUCD Founder of the Year Award**. TestReach, headquartered at NexusUCD, provides a cloud-based online assessment solution that enables end-to-end management of exam authoring, test assembly, exam delivery, marking, moderation and reporting. In the last year TestReach sustained revenue growth of 60%; added a further 40 new clients; grew staff numbers by 50% and now employs a team of over 100 people.



Professor Ronan Cahill

Pictured is **Professor Ronan Cahill**, Professor of Surgery at UCD School of Medicine and at the Mater Misericordiae University Hospital, where he is championing digital innovation and innovative solutions in surgery, recipient of the **2022 NovaUCD Innovation Champion of the Year Award**. Professor Cahill has a major academic interest in surgical innovation and new technologies and is active in forging research partnerships, both nationally and internationally, focused on clinical and medical device development via phase 1, 2 and 3 trials.



Dr Christian Burnham, Professor Niall English, Peter Doyle and Paul Kilroy-Glynn

BioSimulytics, which is focused on using artificial intelligence to digitise key steps in how new drug molecules are designed and developed, is the recipient of the **2022 NovaUCD Spin-out of the Year Award**. In the last year BioSimulytics, a UCD School of Chemical and Bioprocess Engineering spin-out, secured its first commercial contract with a major pharma company in Europe and signed evaluation agreements with several other leading biopharma companies and secured €595k in seed funding from angel investors and Enterprise Ireland. Pictured (l-r) are BioSimulytics team members **Dr Christian Burnham, Professor Niall English, Peter Doyle and Paul Kilroy-Glynn**.



Professor Andrew Keane

Pictured is **Professor Andrew Keane**, UCD School of Electrical and Electronic Engineering, and co-founder of NovoGrid, recipient of the **2022 NovaUCD Licence of the Year Award**. NovoGrid, a UCD spin-out, is a pioneer in Grid Edge intelligence software that optimises energy delivery. The company's patented grid edge intelligence software technology was developed by Professor Andrew Keane and his team at UCD and was licensed to NovoGrid in 2015. This has formed the basis for NovoGrid's installed customer base increasing three-fold year-on-year and its recent collaborations with a number of leading European utilities and renewable energy developers.

CDIC Student Merit Awardees.



GLOBAL ENGAGEMENT

Throughout the year the Global Engagement team continued to deliver UCD's Global Engagement Strategy focusing on its two objectives to facilitate a Global Experience for All within the UCD community and enhance UCD's Global Impact. We welcomed the growing opportunities for travel and face-to-face activities. Some of the highlights of our activities and achievements are selected below.



Professor Dolores O'Riordan
UCD Vice-President for Global Engagement

A Global Experience for All

UCD's international student recruitment exceeded expectations in 2021, supported by strong regional engagement via our Global Centres in China, Malaysia, India, UAE and USA. On UCD's Dublin campuses, 9,590 international students were registered, representing 28.9% of all UCD students in Dublin. This contributed wonderful diversity to the UCD community with students from 151 different countries.

Throughout the year we celebrated many national holidays from around the world. For example, on Kuwaiti National Day UCD students and staff celebrated the history and culture of Kuwait with traditional food and drinks in the Global Lounge.

UCD's Confucius Institute hosted the Chinese Lunar New Year celebration on the Belfield

campus which was attended by thousands of visitors. The celebration featured traditional music and dance, a flame and light show and Asian food. It was a great community event.

We provided extra support for our students from overseas throughout the year. On the outbreak of the war in the Ukraine, the UCD

9,590
international students
registered on UCD's
Dublin campuses in 2021
representing 28.9% of all
UCD students in Dublin

Over 2,600

students in transnational programmes in our three international colleges in China, BDIC, CDIC and GDIC

Global team facilitated weekly meetings with Ukrainian students. Building on support from the Student Advisory Network, we provided several guest speakers who offered guidance on key challenges.

The transnational programmes in our three international colleges in China, BDIC, CDIC and GDIC continued to grow, with student numbers increasing by 24% to just over 2,600. In July, Professor Mark Rogers conferred Bachelor of Engineering in Civil Engineering Infrastructure degrees on the first 106 graduands from CDIC in Xi'an, while in Beijing, at BDIC, a further 330 graduands were awarded their UCD degrees. Two-thirds of these new UCD graduates are progressing to postgraduate programmes, with almost 70% moving to universities in the top 100 of the QS rankings. These outcomes are testament to UCD's commitment to excellence in transnational education and paved the way for the successful renewal of our contract with BJUT for BDIC up to 2030.

Students in the three joint international colleges enhanced their competence in English through programmes delivered by the Applied Language Centre (ALC). This year 1,669 students took Academic English modules delivered via the ALC. Global Engagement seed funding facilitated the introduction of the UN's sustainable development goals into the curriculum providing purposeful context for Academic English studies.

Over 800 students on our Dublin campuses took the opportunity to learn one of the wide range of languages offered by the ALC, reflecting growing student interest in linguistic diversity.

Collaboration between the ALC and UCD School of Languages, Cultures and Linguistics to enhance awareness of language learning opportunities resulted in a UCD Languages for Life website with competitions and events.

Gaeltacht UCD, UCD's Global Centre for the Irish Language and Culture delivered a vibrant program of activity. A highlight was the opportunity to welcome participants back on campus for its fifth Global Irish Language Summer School in June 2022. Throughout the year Gaeltacht UCD's language courses attracted high levels of participation, most notably from the University's global community. Its cultural workshops proved popular and provided insight into various aspects of Irish culture, from the tradition of dry-stone wall building to the cross-generational transmission of Irish songs. In January 2022 the scholars further extended their reach coming together with their peers from UCD China Joint Colleges for a virtual sharing of the rich linguistic and cultural heritage to which each belongs.



Prof Dolores O'Riordan with Gaeltacht UCD 2022 Summer School participants Klará Hutková, Fenja Schulz and Carmen Schacht.



First cohort of CDIC graduates celebrating their UCD degree awards

Global Impact

To enhance our impact, we hosted several events and enhanced our partnerships and participation in networks. Some highlights include the following:

In December, the Europe-China Climate Collaboration Forum, was organised by the Ireland China Institute, UCD Confucius Institute for Ireland and the National Academy of Development and Strategy of Renmin University of China. Close to 200 people from Ireland, China and representatives from the EU and UN attended the Forum.

The inaugural UCD Ireland-India Forum was held in January as part of India Republic Day celebrations. A panel discussion focusing on national synergies between Ireland and India in science, technology and innovation was a distinct highlight. The forum also focused on Arts and Humanities featuring collaborations between UCD and India and future directions of digital partnerships.

The UCD South Asia Global Center and UCD Michael Smurfit Business School organised a webinar entitled Breaking the Glass Ceiling – #BreakTheBias on International Women's Day. The panelists were from the corporate sector, Government/NGOs, the IDA and academics from the University of Delhi.

In April, we welcomed delegations from North America on a Study Abroad Familiarisation visit – the first-in person delegation since 2019. In the same month we hosted the first UCD-China Partnerships Virtual Roadshow with over 45 partners from all regions of China, contributing to the success of the event. This was a tremendous success, and the online format played its part in contributing to UCD's strategy in respect of sustainability.

UCD joined the Una Europa University Alliance in May 2022. The alliance has pioneered a Europe-wide living lab of over

20 innovative educational formats, with mobility at the core. Collectively, the alliance comprises over half a million students and almost 100,000 faculty and staff, transcending geographical borders, working together towards a virtual multi-campus – a University of the Future. In July 2022, the European Commission granted Una Europa €14.4 million in funding to support an ambitious four-year 'Una.Futura' project. This aims to deepen cooperation across the eleven members' education, research, and innovation endeavours. This project will create unparalleled global opportunities for our students, faculty and professional staff and advance the global impact of UCD's teaching, research and innovation.

In June, UCD hosted the General Assembly of UNICA in Belfield. UNICA is an institutional network of 51 universities from 37 capitals of Europe and the theme for the event was 'Leading universities in times of crisis and change'.

The Beijing Great Wall Friendship Award, is the premier accolade given by the Beijing Municipal Government to non-nationals for outstanding contributions to the economic and social progress of Beijing. In recognition of his longstanding contribution to transnational education programmes in China, Associate Professor Henry McLoughlin was honoured with this award in a virtual ceremony chaired by the Mayor of Beijing in November 2021.

Congratulations to Henry and my thanks to the many contributors to UCD's Global activities that led to a truly successful year.



Professor Dolores O'Riordan
UCD Vice-President for Global Engagement



Left: Prof Dolores O'Riordan and Eve Brousseau attend the Una Europa – General Assembly 2022 in Helsinki. Right: Prof Barbara Dooley, Prof Luciano Saso, Vice-Rector For European University Networks, Sapienza, University of Rome, Prof Mark Rogers and Prof Dolores O'Riordan attend the General Assembly of UNICA.



Minister Simon Harris officially launches the Dignity and Respect Support Service in UCD. Pictured (l-r) are Prof Aoife Ahern, Chair of D&R Oversight Group; Catherine Tormey, Senior D&R Support Adviser; Louise Walsh, D&R Support Adviser; Minister Simon Harris; Prof Mark Rogers, UCD Acting President; Rory Carey, Director of Culture and Engagement and Marcellina Fogarty, Strategic EDI Manager.



EQUALITY, DIVERSITY AND INCLUSION



Professor Colin Scott
Vice-President for Equality,
Diversity and Inclusion

Many employees and students are involved in Equality, Diversity and Inclusion (EDI) related activities and the mainstreaming of EDI across the University, all of which promote a diverse and inclusive community of study and work. Through actions large and small, we are removing barriers to equality, promoting diversity and building inclusive communities on our campus.

EDI Policies and Strategy

An interim review of UCD's EDI Strategy was undertaken to ensure it remained aligned with the University strategy. This review also considered priorities identified through focus groups with the University's EDI group, consultation with UCD employees through

an EDI survey and engagement with key stakeholders. This strategy builds on some great work already taking place across the University by a wide range of stakeholders and working with all members of our community, this strategy will make a real and meaningful change.

A number of policies were developed and published in 2021/22 following consultation with employees, relevant groups and stakeholders and are in line with good practice and legislation.

- The Breastfeeding policy promotes a culture of support for those returning from maternity leave to feel valued and able to continue to breastfeed/lactate on their return to the workplace. This policy and details about breastfeeding rooms are located here: www.ucd.ie/

An interim review of UCD's EDI Strategy was undertaken to ensure it remained aligned with the University strategy. This review also considered priorities identified through focus groups with the University's EDI group, consultation with UCD employees through an EDI survey and engagement with key stakeholders

equality/support/breastfeedingfacilities

- The Supporting the Employment of People with Disabilities policy promotes equality of opportunity in the attraction, employment, retention and development of persons with disabilities. This policy demonstrates the University’s commitment to taking proactive steps to ensure its workplace culture supports employees with disabilities to feel confident and comfortable to disclose disabilities so that supports can be provided.
- The Mental Health and Wellbeing policy, developed by UCD Culture and Engagement and UCD EDI and overseen by the Mental Health and Wellbeing Steering Group, sets out the University’s commitment to supporting the mental health and well-being of employees as part of an overall responsibility to promote a healthy work environment. A new UCD bespoke online course has been developed to help end stigma around mental health, to encourage those with mental health difficulties to come forward and to give confidence to people managers and colleagues to engage and support people through signposting to relevant supports. A Directory of Mental Health and Wellbeing Supports, Services and Networks is also available for those who require support.

Initiatives

- The University is mid-way through the implementation of the UCD Gender Equality Action Plan 2020-2024. This is a major programme of work to remove barriers to equality based on gender, gender identity and intersectionality. There are 71 actions in the GEAP and 44% have been completed to date – EDI will continue to track the impact of completed actions and progress the implementation of those outstanding.
- Seven UCD Schools were conferred with Athena SWAN bronze awards in 2021/22. 24 Schools (65%) are now accredited in UCD which covers 86% of employees working in UCD Schools and 81% of UCD students. This exceeds the University KPI of 22 Schools by 2022.
- A Review Report was published in June by the Race and Ethnicity Equality Working Group. This report contains quantitative and qualitative research and key recommendations. An EDI sub-group on Race and Ethnic Equality will be established to translate these recommendations into an action plan taking into consideration the recent launch of the HEA Race Equality Implementation Plan.
- UCD employees who have experience of fertility treatment were invited to attend a focus group to share experiences and contribute to the development of workplace supports for employees undergoing fertility treatment. This session included an update from Cairtriona Fitzpatrick, Chair of National Infertility Support and Information Group.
- A Menopause Working Group has been established sponsored by Professor Aoife Ahern, Principal, UCD College of Engineering and Architecture. The changing age of Ireland’s workforce means that there are many menopausal employees in the workplace. The work of this group will help to create a supportive working environment and foster a culture in which colleagues can openly and comfortably instigate conversations or engage in discussions about menopause.
- UCD was successful in securing funding for two HEA Senior Academic Leadership Initiative (SALI) posts in the second round of this initiative awarded and this was matched by a further two

posts funded by UCD. UCD was also awarded funding for two posts in the first SALI round.

- UCD successfully renewed its University of Sanctuary status and the sub-group continues to oversee the implementation of commitments made in the application.
- An EDI Diversity calendar was launched for the 2022 calendar year, containing information about diverse cultural celebrations and religious holidays.
- MENU Café is a multicultural recipe collection curated by the Multicultural Employee Network at UCD (MENU), sponsored by EDI. It is a collection of recipes from different cultures and countries compiled by MENU members to celebrate diversity and to provide a flavour of UCD’s multicultural community.

Dignity and Respect

Following the completion of the Dignity and Respect Review, an implementation plan was rolled out during the 2021/22 academic year – key elements included:

- Publication of a new Bullying and Harassment policy and Sexual Misconduct policy.
- Establishment of a Dignity and Respect Oversight Group chaired by Professor Aoife Ahern which includes diverse internal and external representation.

An EDI Diversity calendar was launched for the 2022 calendar year, containing information about diverse cultural celebrations and religious holidays



APRIL						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
				1 Remembrance Day	2 Good Friday	3 Easter Sunday
4 Easter Monday	5 Good Friday	6 Easter Tuesday	7 Easter Wednesday	8 Easter Thursday	9 Easter Friday	10 Easter Saturday
11 Good Friday	12 Easter Monday	13 Easter Tuesday	14 Easter Wednesday	15 Easter Thursday	16 Easter Friday	17 Easter Saturday
18 Easter Monday	19 Easter Tuesday	20 Easter Wednesday	21 Easter Thursday	22 Easter Friday	23 Easter Saturday	24 Easter Sunday
25 Easter Monday	26 Easter Tuesday	27 Easter Wednesday	28 Easter Thursday	29 Easter Friday	30 Easter Saturday	

2022

Significant Dates/Events:

- 1 Remembrance Day
- 2 Good Friday
- 3 Easter Sunday
- 4 Easter Monday
- 5 Good Friday
- 6 Easter Tuesday
- 7 Easter Wednesday
- 8 Easter Thursday
- 9 Easter Friday
- 10 Easter Saturday
- 11 Good Friday
- 12 Easter Monday
- 13 Easter Tuesday
- 14 Easter Wednesday
- 15 Easter Thursday
- 16 Easter Friday
- 17 Easter Saturday
- 18 Easter Monday
- 19 Easter Tuesday
- 20 Easter Wednesday
- 21 Easter Thursday
- 22 Easter Friday
- 23 Easter Saturday
- 24 Easter Sunday
- 25 Easter Monday
- 26 Easter Tuesday
- 27 Easter Wednesday
- 28 Easter Thursday
- 29 Easter Friday
- 30 Easter Saturday

- Establishment of a new dedicated Dignity and Respect Support Service in November 2021 fully operational with three dedicated Dignity and Respect Support Advisers. This service was officially launched in May 2022 by Simon Harris TD, Minister for Further and Higher Education, Research, Innovation and Science.
- Appropriate external involvement at each major stage of the Dignity and Respect procedure.
- Development of a comprehensive Dignity and Respect training strategy including a full-day, face-to-face training programme for people managers and a half-day session for key signposted roles. Online training has also been developed for all UCD employees as well as enhancements to student online active bystander training.
- Development of a communications strategy to ensure that members of the UCD community are aware of the supports available and the University's commitment not to tolerate bullying, harassment or sexual misconduct.
- Enhanced data collection mechanisms and reporting commitments to ensure there is transparency around dignity and respect in UCD.

Events

- UCD supported Pride with a range of activities and resources, following on from the previous month's actions for International Day Against Homophobia, Biphobia, Inter-sexism and Transphobia (#IDAHOBIT) in May 2022. A highlight was the 'How to be an Ally Workshop' in association with Dublin LGBTQ Pride and the Pride at Work training programme. In March, the EDI LGBTI Subgroup celebrated LGBTQI+ History Month by hosting a webinar, entitled 'Intergenerational Friendships and

Conversations Amongst LGBTQI+ Generations'. A booklet was also developed which gives an overview of some of the most important moments in the history of the LGBTQI+ community in Ireland.

- UCD hosted a neurodiversity celebration week in March 2022 with a range of events taking place each day. A number of resources and podcasts were made available to the UCD Community.
- UCD marked International Women's Day with an online webinar discussing the Gender Pay Gap legislation and the opportunities and challenges arising. Sinéad Gibney, IHREC's Chief Commissioner provided guidance on the Act and explained the role the IHREC can play in promoting effective implementation and enforcement of the Act.

Development of a comprehensive Dignity and Respect training strategy including a full-day, face-to-face training programme for people managers and a half-day session for key signposted roles. Online training has also been developed for all members of the UCD Community as well as student online active bystander training

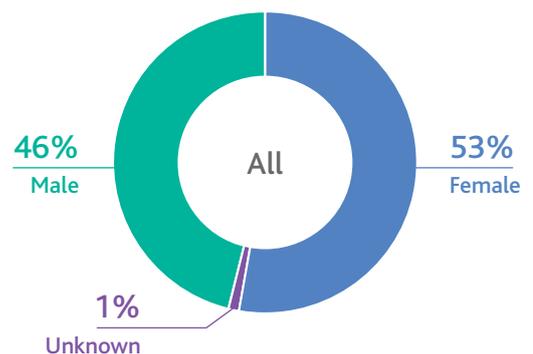
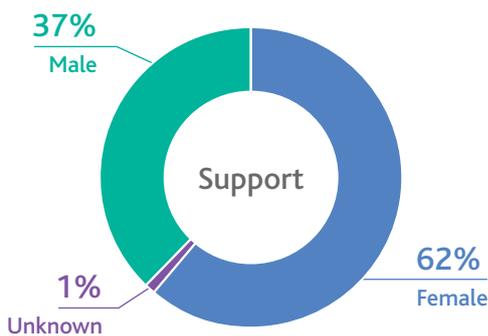
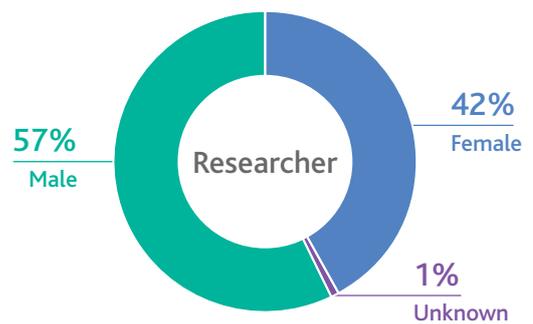
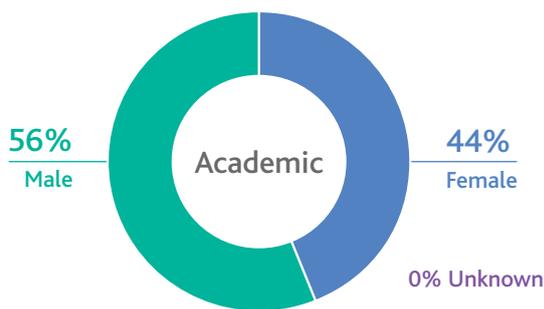


Multicultural Employee Network at UCD (MENU) Café cook book.

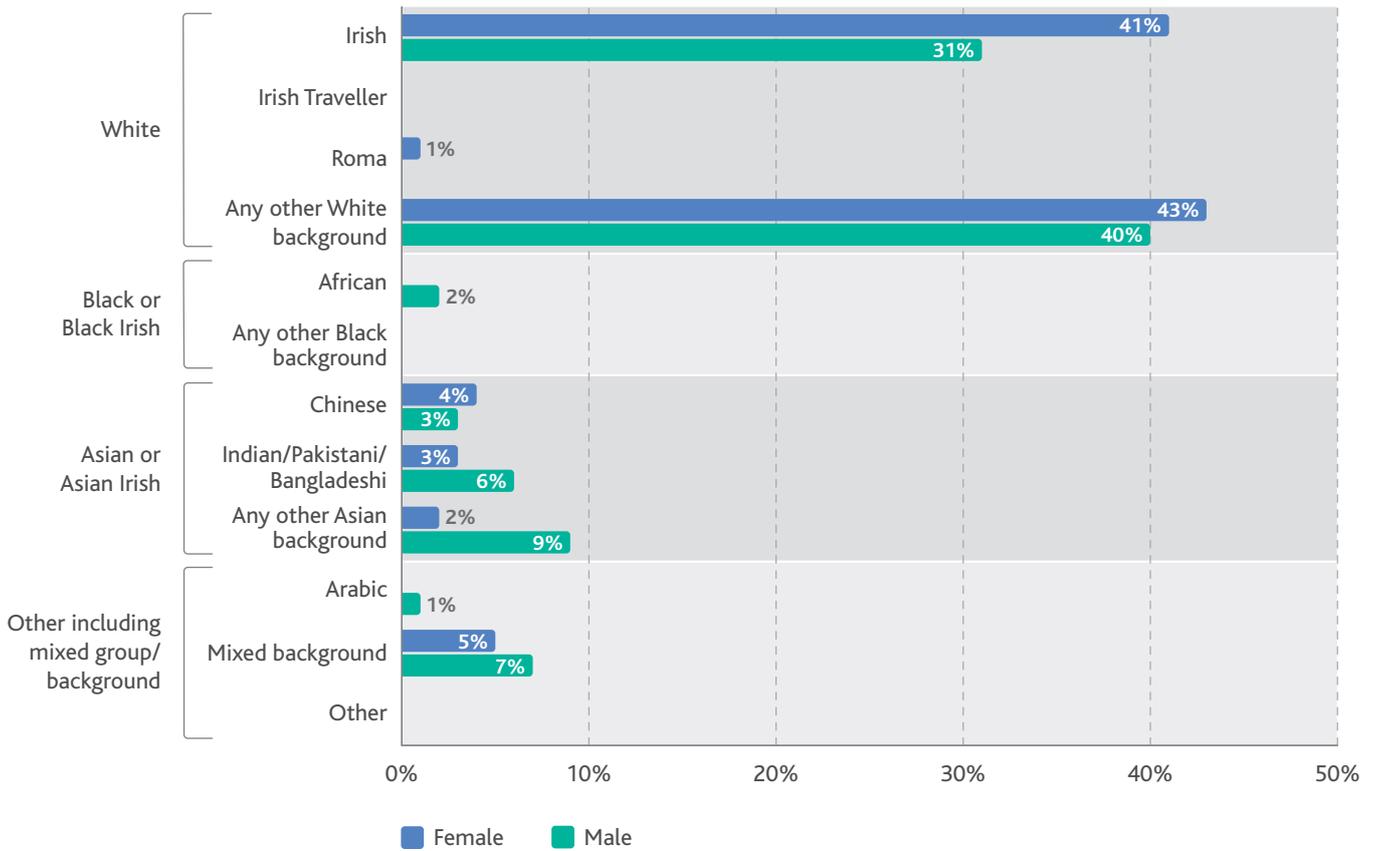
Employees by Gender 2021/22

Staff Category		Female	Male	Unknown	Grand Total	% Female
Faculty	Full Professor	51	130	–	181	28%
	Professor	47	71	–	118	40%
	Associate Professor	115	177	–	292	39%
	Lecturer/Assistant Professor Above Bar	287	311	1	599	48%
	Lecturer/Assistant Professor Below Bar	20	13	–	33	61%
	Other Academic & Teaching	59	38	–	97	61%
Academic Total		579	740	1	1,320	44%
Research	Researcher	197	271	4	472	42%
Research Total		197	271	4	472	42%
Support	Academic Administrative / Professional	348	89	3	440	79%
	Administrative/Professional	418	217	3	638	66%
	Research Support	210	171	4	385	55%
	Technical	160	125	2	287	56%
	Other Support	131	166	1	298	44%
Support Total		1,267	768	13	2,048	62%
All		2,043	1,779	18	3,840	53%

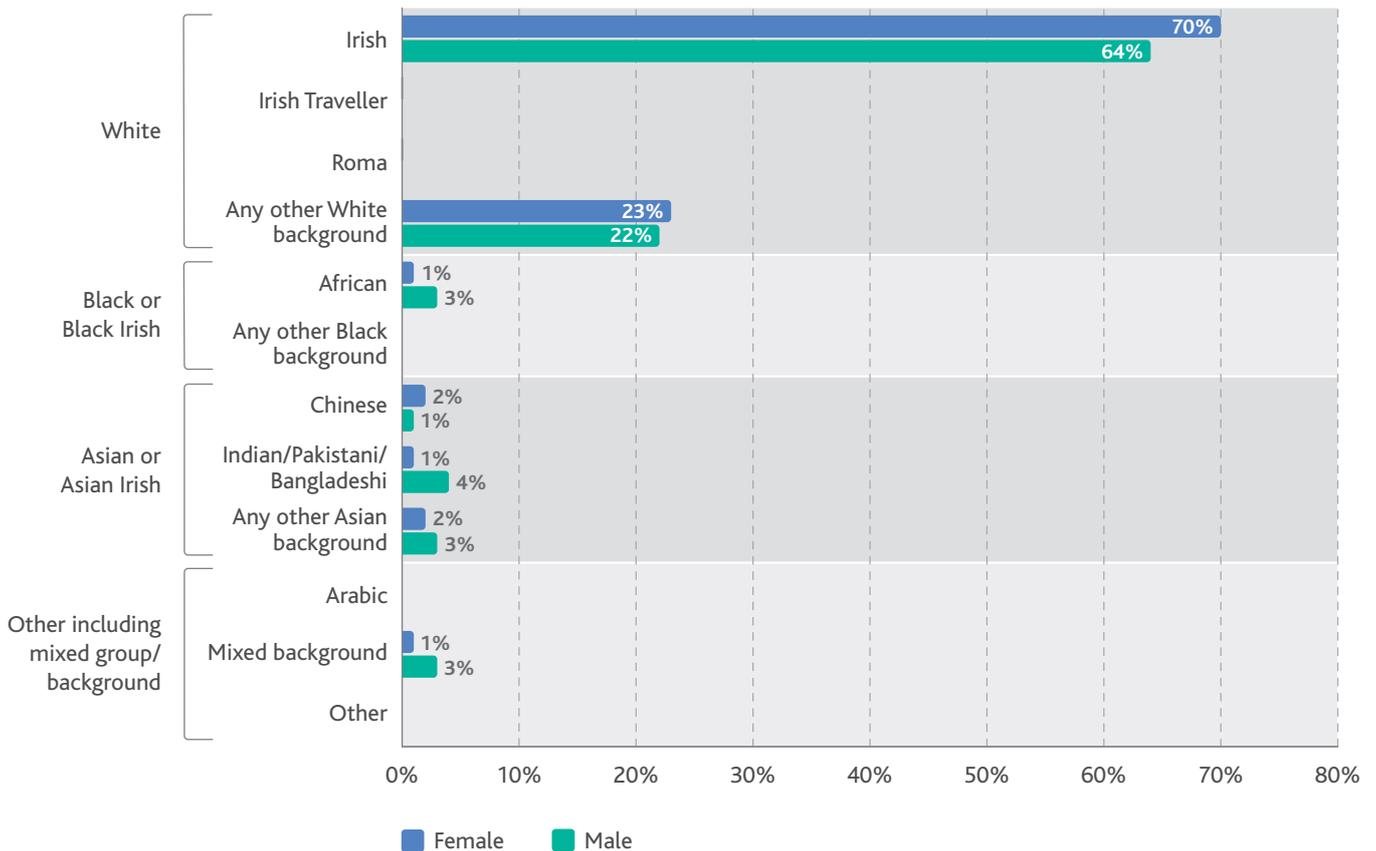
Employees by Gender % Split



Academic Staff by Ethnicity



Professional, Management and Support Staff by Ethnicity



FINANCE AND CAPITAL DEVELOPMENT

An artist's impression of the courtyard of the O'Brien Centre for Science Phase 3.



David Kelly
Bursar

Outturn for the Year

For the 2021/22 financial year, the University generated a surplus of €14.7 million on HEA core-funded activities while expecting to generate an operating surplus of €27.5 million on its consolidated activities. The University's continued rapid growth in student recruitment has resulted in a strong performance in fee income which has increased by 9% on the previous year. While the cost base also increased during the year with the implementation of remaining pay restorations and public sector pay awards, the impact of cost inflation and the emergence from the pandemic, there remains a time lag in terms of the recruitment of both faculty and support staff and the impact of COVID-19 restrictions in the first half of the year on non-pay expenditure such as travel.

As part of Budget 2022, the Government announced a €200 million increase in funding for the sector. While this funding was welcome, a substantial part went towards addressing the longstanding sectoral pension deficits rather than providing for any extra investment in teaching and learning and research activities

Due to construction inflation in the market and the impact of legislative changes, a decision was taken by the University to postpone the development of the Residential Masterplan Phase 2. Costs incurred to date on the project have been expensed during this year in line with financial reporting standards.

State Funding of Higher Education

The current educational landscape is not without its challenges and the biggest financial challenge facing the University continues to be the underfunding of the sector, with the consequent pressure on the sustainability of operations and on infrastructure as student numbers increase. As part of Budget 2022, the Government announced a €200 million increase in funding for the sector. While this funding was welcome, a substantial part went towards addressing the longstanding sectoral pension deficits rather than providing for any extra investment in teaching and learning and research activities in 2021/22. The publication of the Government's *Funding the Future* policy on the future of higher education in May 2022 acknowledged a core funding gap in the sector of €307 million per annum and indicated their intention to address this



Students enjoying the variety of options available in the UCD Village foodhall.

shortfall via the annual budgetary process. Funding for future demographic growth would be in addition to this.

UCD Performance-Based Funding Model

2021/22 marked the seventh year of the performance-based budgetary model, whereby additional resources are allocated on a formulaic basis between those Schools and Colleges generating additional income and the University. The model includes all fee income, whether EU or non-EU, from undergraduate or graduate sources. Schools may retain a proportion of net fee income, after allowing for scholarships and commissions. Fee scholarships are used to mitigate student hardship and are also used as a marketing tool to recruit non-EU students. Distribution of this additional income to Schools enables them to exercise more control over their finances but is not a substitute for the restoration of adequate funding.

The Finance Office assists individual Colleges and Schools to develop five-year financial plans which broadly align with the strategic objectives of the University and to provide a multi-annual

Schools may retain a proportion of net fee income, after allowing for scholarships and commissions. Fee scholarships are used to mitigate student hardship and are also used as a marketing tool to recruit non-EU students

view of each unit's planned activities and resource requirements. These plans were updated in 2022 alongside strategic plans as part of the annual financial planning cycle.

Procurement

The major focus for the UCD Procurement and Contracts Office is firstly to maximise costs savings, to date the University has achieved average annual savings of 11%; and secondly to improve compliance by achieving the implementation of a contract management database ensuring timely notification of contract renewal dates and relevant and timely communication with budget holders.

Capital Development

As the University and wider society emerged from the hiatus surrounding COVID-19, campus development and operational activity has returned to pre-pandemic levels. In-person teaching and a rounded student experience are core to UCD's educational principles. The return of staff and student activity has seen the creation of a vibrant and animated experience for the community on campus which had been noticeably missing during the Government-imposed lockdowns with the academic and associated facilities and infrastructure being used extensively.

As part of the national effort over the past year the University made available facilities for the temporary housing of Ukrainian refugees in our student residences and wider campus facilities. This was particularly evident during the summer with some 235 beds made available as medium-term accommodation along with an additional 5,500m² of University space being used for arrival and short term stay.

The return of summer activities provided also for an animated campus during this period in the run up to the Autumn Trimester of 2022.

Campus Development

The new student amenity space, UCD Village opened during the past year. UCD Village includes retail and food offerings, as well as a gym and support services. These facilities are open to the University community, and include a new lecture theatre which will be used for University teaching during the day, but will also be available outside teaching hours for student events.

The University also increased its footprint on, and adjacent to, the Belfield campus with the purchase of the former Irish Credit Bureau Building in Newstead and the former office building on the north western edge of the campus. These buildings are being brought into the University portfolio and will be used to meet growing needs and temporary housing of activities as part of the capital program over the next number of years.

During the past year, significant changes have occurred at the main entrance to campus with the commencement of enabling and site clearance works for Phase 1 of the Future Campus Masterplan. The

During the past year, significant changes have occurred at the main entrance to campus with the commencement of enabling and site clearance works for Phase 1 of the Future Campus Masterplan

project involves the delivery of new academic infrastructure as well as significant landscaping, commuting infrastructure and public realm improvements. When completed the new space will create an improved sense of arrival to UCD and make the campus more visible to passers-by. As a significant portion of the Education, Research and Innovation Character Area, the new development will be a key enabler of growth for the University, providing additional, purpose-built academic facilities reflecting modern pedagogical needs and practices that students need to acquire in order to thrive in their future careers.

Sustainability is a key aspect of the works, including the use of sustainable transport modes including the installation of a significant quantity of additional bicycle parking, the integration of existing green spaces where possible, additional planting of trees and reinforcement of the woodland boundary, and the use of natural water attenuation features.

A new Bus Interchange will be a separate project and developed in conjunction with the National Transport Authority (NTA). It is proposed that this project, in conjunction with works to the N11 bridge and areas adjoining, will be brought forward by the NTA for planning in early 2023 which will create new transport links and routes to the campus infrastructure as part of the NTA's BusConnects programme. This will allow for an increase in the quantity and quality of bus routes serving the campus along with enhanced pedestrian and cycle routes linking into the campus. Within the Belfield campus, the Bus Interchange will be integrated with the wider masterplan, including the pedestrian plaza and will provide a much improved experience for bus users.



The Bus Interchange will provide a much improved experience for bus users.

The official opening ceremony for the Stillorgan Road (UCD Access) Cycle Improvement Scheme was held at Nova UCD Entrance, Stillorgan Road, in April by Professor Mark Rogers and Councillor Lettie McCarthy, An Cathaoirleach of Dún Laoghaire–Rathdown County Council. The project went through a public consultation process in 2018 where feedback and comments were received from members of the public, local residents, business owners and concerned entities. The preliminary design included consideration of multiple options before the final layout was selected balancing the need for pedestrians and cyclists, traffic demand and overall site constraints that existed along this busy section of the R138 (former N11).

Planned Capital Developments

UCD Science Centre Phase 3

The design for Science Phase 3 progressed over the past year, the construction of which would see the completion of the UCD O'Brien Centre for Science facilitating continued growth in Science teaching and research. Science Phase 3 will involve the refurbishment of Science North and Science West, which were among the first buildings constructed on the Belfield campus in the 1960s, and have remained largely unchanged since that time. The project comprises of the refurbishment of c.14,500m² along with the addition of c.8,500m² of new space. This project will deliver improved facilities for modern teaching and research, as well as additional space to facilitate future growth within the University. An application has

been made to the Higher Education Authority as part of the HESIF 2 round of funding, the outcome of which is awaited.

UCD Sports and Student Amenities Masterplan

The University aims to further improve and grow sports and recreation facilities on campus, to ensure the quality and choice of sports and non-sports based amenities are of the highest international standard. To ensure these facilities are developed in a coherent and efficient manner, and to help identify student sports and amenity needs, a detailed masterplan was developed and completed in 2020. This masterplan is being implemented by Coady Architects and includes improvements to the public realm and landscaping, improved pedestrianised and cyclist routes, a new multipurpose hall which will allow the holding of exams on the Belfield campus once again, the provision of the new performance building and other new developments aimed

The University aims to further improve and grow sports and recreation facilities on campus, to ensure the quality and choice of sports and non-sports based amenities are of the highest international standard



The new pedestrian and cycle entrance at NovaUCD.



Artist's impression of UCD O'Brien Centre for Science Phase 3.

The James Joyce Library was one of the first modern buildings built on the Belfield campus in 1972, and was constructed in phases, reaching its current configuration by 1987, at which time the student population was 10,684. The growth in the student population to over 33,000 and the evolving needs of students means that its refurbishment is a necessary and critical component of the University achieving its strategic aims

at improving both sporting and non-sporting amenities such as pitches at Thornfield, and reorganising of car parking.

James Joyce Library Project

The James Joyce Library (JL) was one of the first modern buildings built on the Belfield campus in 1972, and was constructed in phases, reaching its current configuration by 1987, at which time the student population was 10,684. The growth in the student population to over 33,000 and the evolving needs of students means that its refurbishment is a necessary and critical component of the University achieving its strategic aims. The refurbishment of JL will involve:

- Enhancing the Library Experience, reprogramming the JL accommodation and designing a new fit-out to increase reader space capacity
- Developing cost-effective pathways to bring the James Joyce Library to BER B or better and achieve Climate Action Plan targets
- Curation of the book collection of the second floor and subsequent refurbishment of the floor to facilitate additional reader spaces

- Remodel the main library entrance area at level 1 aimed at expanding and enhancing the student learning and social spaces associated with the Hub 1 and Hub 2 projects completed previously
- Relocation of the National Folklore Collection to Level 1 JL

JL will remain open throughout the project and disruption will require careful management through a phased and zoned approach ensuring alternative study space is always available in JL for students.

The Newman Building

The Newman Building was opened in 1970 and is approximately 23,000m² in area ranging over six floors. The building was initially the home of the Colleges of Arts and Humanities, Social Sciences and Law and is typical of buildings designed and built as part of the 1964 design for the campus masterplan. In 2012, the University implemented a series of fire safety improvement works leading to a Fire Safety Certificate being granted in 2015. In the same year, the University

commenced an extensive phased refurbishment programme that included remodelling and updating internal floors and the replacement of windows. The programme was paused in 2020 in response to COVID-19, by which time approximately 10,100m² of the building, primarily the upper floors, had successfully been refurbished.

The University now intends to recommence the refurbishment programme, consistent with the completed areas, extending over approximately 12,000m². Central to the project will be the transformation of the main entrance and the refurbishment of the connecting expansive concourse area at ground and lower ground levels. The design will emphasise collegiality, reflect the cultural heritage of the building and instil a sense of pride in all who use and visit it. It will encourage the local and wider community to gather, interact and exchange ideas and opinions whilst strengthening the affiliation with the University.

Campus Development Plan and Estates Strategy

The UCD estate incorporates circa 442,000m² of building floor area with facilities predominantly based at the main Belfield campus with further facilities located at Blackrock, Lyons Research Farm, Newman House, Islandbridge and various University hospital locations.

Significant progress was made in the development of the interim reviews of the UCD Strategic Campus Development Plan 2016-2021-2026 and UCD Estates Strategy both approved by the University in June 2022. These documents are a mid-term review of the University's strategic capital investment plans, to ensure continued alignment with University strategy and policy, local and national.

The key strategic aims for the development of the estate are:

- Supporting University Growth
- Enhancing the Campus Experience
- Sustainable Development and Transitioning to a Low Carbon Estate

Sustainability is also a central feature of design, with projects designed to meet Near Zero Energy Building (NZEB) standards and incorporating features such as passive ventilation, natural lighting, and green roofs, while a significant portion of energy requirements will come from renewable energy.

Sustainable Development and Transitioning to a Low Carbon Estate

The first Strategic Theme outlined in the University's strategy is 'Creating a Sustainable Global Society', which includes a commitment to set ambitious targets and to report annually against these targets with respect to sustainability.

Sustainability is also a central feature of design, with projects designed to meet Near Zero Energy Building (NZEB) standards and incorporating features such as passive ventilation, natural lighting, and green roofs



Solar panels are used to provide renewable energy.

The Climate Action Plan places an onus on public bodies to demonstrate leadership in pursuing and reporting on resource efficiency actions across all public facilities. This includes measures to reduce food waste, promote water conservation, waste segregation, reuse and recycling practices

The recently published Climate Action Plan 2021 set targets for greenhouse gas emissions and energy efficiency as follows:

- Reduce Greenhouse Gas Emissions by 51% in 2030 from a baseline of 2016-2018
- Increase the improvement in energy efficiency in the public sector from the 33% target in 2020 to 50% by 2030
- Put in place a Climate Action Roadmap by the end of 2022.

For UCD, a reduction in carbon dioxide associated with running buildings will be the primary target which equates to a reduction of approximately 12,782 tonnes of CO₂ by 2030.

The national electricity grid has ambitious targets relating to the growth of renewable generation which will result in a significant reduction in the carbon emissions associated with electricity 'imported' from the grid (indirect emissions). In light of this 'free lift' from national grid decarbonisation, the public sector has also been assigned direct emissions targets, which for UCD predominantly relates to thermal energy or natural gas consumption used for heating buildings and water. This will require significant investment in shifting from fossil fuel heat generation (natural gas) to renewable and electricity generation. Investment in energy efficiency measures will continue, to reduce unnecessary energy usage and associated carbon dioxide emissions.

New buildings will be developed to Near-Zero Energy Building standard, a BER of A and Energy Efficient Design (EED) techniques will be incorporated. UCD further commits that any building refurbishments or deep retrofit projects will set a minimum target of BER B. Refurbishment of existing buildings will deliver significant carbon savings as both fabric and plant are upgraded to required standards.

One pathway to achieve 2030 carbon dioxide emissions targets is to replace approximately 50% of the existing fossil fuel boiler and CHP plant with electric heat pumps. Currently underway, a pathway towards decarbonising the Belfield District Heating system is being developed. Initially, this involves the installation of electrically powered high-temperature heat pumps providing 2MW of heat output which will displace 40% of existing fossil fuel heating in the UCD energy centre. Associated with this transfer is an increased electrical load associated with the electrical infrastructure of the campus. This measure will require reinforcement of the Medium Voltage electrical campus distribution and an increased electrical supply to the campus which are currently underway. The University has also been successful in securing external funding from the HEA



Over 9,000 trees were planted on campus this year.

to enhance the energy properties of the UCD Quinn School of Business and bring the building up to a BER of B3.

The Climate Action Plan places an onus on public bodies to demonstrate leadership in pursuing and reporting on resource efficiency actions across all public facilities. This includes measures to reduce food waste, promote water conservation, waste segregation, reuse and recycling practices. Measures such as the 'Binless Office' will be explored in the coming year as a measure to achieve waste segregation at source and improve recycling rates throughout the University.

Active implementation of UCD's Travel Plan is fundamental to the continued sustainable development and operation of the campus, with a strong emphasis on continued mode shift from the private car. UCD continues to work collaboratively with the NTA and others to improve walking, cycling and public transport infrastructure to the campus.

Landscaping and Biodiversity

UCD's support of the All-Ireland Pollinator plan continues apace, with initiatives such as the reduced mowing regime being further extended over the past year, helping to increase the variety of wildflowers, plants and young trees self-seeding and creating a natural look and feel to many areas which would have traditionally been more formally managed.

The annual tree planting programme, in addition to planting carried out under the Capital Development programme, has seen over 9,000 trees of varying size and species planted on campus over the past year, helping to strengthen and extend our existing woodlands and specimen tree cover. There was the opportunity to work with community groups on a number of tree planting events such as the



Covered bicycle parking facilities on the Belfield campus.

The first phase of the UCD Sensory Trail was completed over the past year. This exciting initiative in partnership with UCD Access and Lifelong Learning seeks to create spaces which are sensitive to the five senses

'Pocket Forest' Initiative at Glenomena Student Residences and the 'Birds, Bees and Native Trees' initiative at Roebuck.

The first phase of the UCD Sensory Trail was completed over the past year. This exciting initiative in partnership with UCD Access and Lifelong Learning seeks to create spaces which are sensitive to the five senses, in which students, faculty, staff and visitors to the campus can take a moment to breathe, allowing space to build resilience and to reflect, in the midst of the hustle and bustle of a vibrant campus. Future phases of this project are planned, with the aim of creating a trail linking Richview to Roebuck and many areas in between, over the coming years.

Commuting

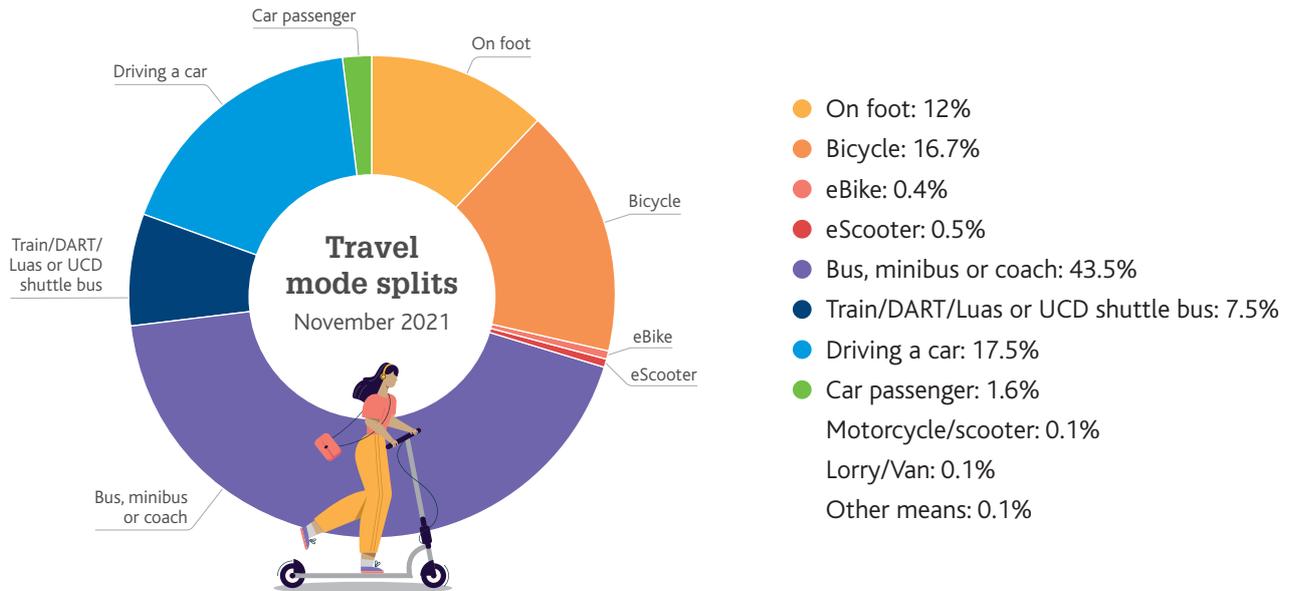
Following ongoing significant investment in commuting infrastructure in the past 12 months, progress has continued in relation to the implementation of the UCD Travel Plan 2016-2021-2026 and the transition of the University community to active and sustainable modes of transport and thus reducing reliance on private motor vehicles and single occupancy journeys.

The 2021 Annual Commuting Survey has shown that 82% of all journeys to campus are now taken by sustainable means, driving beyond our 2026 target of 82%. These changes in travel patterns have been achieved within challenging contexts including long commuting distances for significant proportions of faculty, staff and students. UCD will continue to work with our planning and transport partners to enable further volumes of sustainable and active transport journeys to and from our campuses including the implementation of new bus routes serving the campus and significant faculty, staff and student catchment areas as part of the wider Bus Connects programme, while continuing to support and participate in the NTA Smarter Travel Behaviour Change Programme.

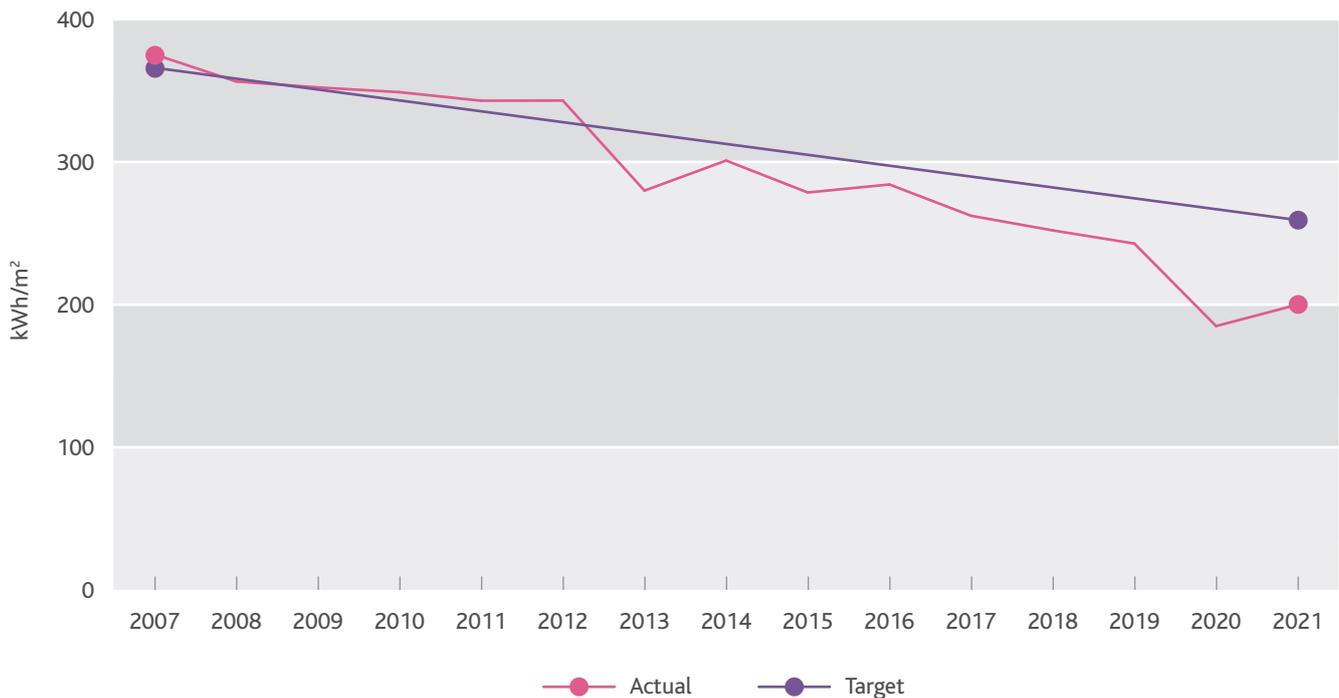
Hospitality Services

Further diversification of UCD's food offering continued to be rolled out during 2022. The UCD Village building has opened to deliver a state of the art foodhall and convenience store for the UCD community, providing a number of exciting food choices and a bar to help cater to all tastes. The addition of the Sub Club in the James Joyce library building provides requested deli options on the campus. Outdoor dining areas are being trialled in the courtyard connected to Bluebird Cafe in the Newman building and there has been investment in outdoor furniture that will be flexibly used across campus to enhance the dining experience.

David Kelly
Bursar



Energy Performance Indicators



200.05
kWh/floor area (m²) 2021 EnPI

4.3%
disimprovement on 2019*

259
kWh/floor area (m²) Target EnPI

46.3%
better than baseline

6.3%
improvement
required by 2030
to meet our energy
efficiency targets.

*This reflects the significantly higher level of activity compared to 2020, due to the return to campus post pandemic.

Pictured at the launch of the UCD Dignity and Respect Support Service are (l-r): Minister Simon Harris TD; Prof Mark Rogers, Acting UCD President; and Prof Aoife Ahern, Chair, Dignity & Respect Oversight Group.



HUMAN RESOURCES, SIRC AND LEGAL SERVICES



Tristan Aitken
Chief People Officer and
Director of SIRC and Legal
Services

As we moved into a second year of enforced remote working for many due to the COVID-19 pandemic, my respect and gratitude for my teams continued to increase as they worked hard to support colleagues across the University and advanced our numerous initiatives and focus as set out in the HR Strategy – *The Revolution of Work*.

AS THE YEAR PROGRESSED, with more colleagues returning to campus working, we supported this safe return, the hybrid working trial and ultimately laid the foundations for a hybrid working framework that aims to ensure the positive aspect of how we worked together and supported the University's objectives through the pandemic are facilitated in the future.

HR has taken a lead role in sponsoring and supporting the design and progress

of UCD's POST (Programme for Operations and Services Transformation), with the intention of creating a better service experience for our faculty, staff and students to support our teaching, research and other ambitions in support of UCD's strategy.

HR Partnering, People and Organisation Development

The HR Partner Team (HRP) focused on the provision of strategic and operational support to the University's leadership and community on many initiatives in support of UCD HR's strategy. Key areas of focus over the past year have included the Hybrid Working trial consultations, Quality Reviews, P4G and strategic reviews of key areas to continue to build organisational capability.

The HR Partner Team focused on the provision of strategic and operational support to the University's leadership and community on many initiatives in support of UCD HR's strategy

The team has facilitated a number of organisation design reviews across a broad number of areas, including Registry, Lyons Farm and Natural Sciences, with more organisation development projects currently in the pipeline. The HRP team continues to support the enhancement of UCD's performance culture through championing high levels of participation in P4G; delivering Heads of School HR training; DiSC sessions for team development events; PI Engagement sessions; HR Insights training for managers/leaders through the RISE programme; Aurora and GEAP plans; and leading out on local EDI information events. In addition, the team supported our UCD Ukrainian and Russian colleagues and contributed to the 'Living and Working in Ireland' sessions for Ukrainian nationals on campus.

Headline development initiatives include the RISE Leadership and People Management Development Programme, a joint initiative between UCD People and Organisation Development and an external training partner, launched in May; THRIVE – phase two of the Leadership in Research development programme aimed

2,939

registrations were recorded for a range of activities ranging from a series of return to the workplace mental health webinars to financial wellbeing webinars and Healthy UCD courses on campus

at Lecturer/Assistant Professor or Associate Professor level; and the Newly Appointed Assistant Professor (NAAP) Development Programme which includes dedicated development seminars, mentoring opportunities and networking events. The new general training course catalogue was launched for all employees and features a mix of on-campus and online programmes reflecting our evolving ways of working including hybrid.

Twenty one participants took part in the Advance HE Aurora programme in 2021/22, taking to 164 the total number of colleagues who have availed of this programme to date. This online programme, designed to introduce key leadership topics and skills, is complemented by institutional support including a mentoring initiative.

Culture and Engagement

The unit champions the HR strategic objective to be an employer of choice which supports the core University objective to attract, retain and develop an excellent and diverse cohort of faculty and staff.

Engagement activities had to adapt from solely online during the pandemic to a mix of online and in-person as more colleagues returned to campus. Over the academic year 2,939 registrations were recorded for a range of activities ranging from a series of return to the workplace mental health webinars to financial wellbeing webinars and Healthy UCD courses on campus. In a new approach a YouTube channel was used to host webinar recordings which has had over 8,500 views to date. The unit supported two charity initiatives: a UCD Community Choir performance for Special Olympics Ireland, UCD's charity of choice; and a Climb Lyons Hill event supporting Irish Motor Neurone Disease Association and Pieta, together raising over €9,200.



Members of the UCD Community Choir presenting the proceeds from their concert held on 28 May to Special Olympics Ireland, one of UCD's charities of choice as nominated by employees.



Prof Andrew Deeks presenting Dr Peter Coulahan, Director of Safety, Insurance, Operational Risk and Compliance (SIRC) with a UCD Values in Action (VIA) Award in recognition of the team's work to support colleagues through the COVID-19 pandemic.

The unit continues to facilitate recognition of long service through our long service presentations and peer recognition of colleagues' work to bring the UCD values to life via the Values in Action (VIA) Awards, which received 38 submissions, with 10 awards made.

The UCD Mental Health and Well-being steering group oversaw the implementation of a new policy with a directory of supports. In addition, a bespoke online training course was developed and rolled out to help managers and colleagues support and encourage those with mental health difficulties to come forward.

While the impact of the Equality, Diversity and Inclusion (EDI) team is recorded elsewhere in this Report, all members of the Culture and Engagement unit contributed to the mainstreaming of the EDI agenda across the University. Significant moments included the opening of the Dignity and Respect Support Service in November 2021, launched by Minister Simon Harris TD in May 2022. The team of Dignity and Respect Support Advisers support those who have been impacted by bullying, harassment or sexual misconduct. Significant resources were deployed since early 2022 in support of the preparations needed for Gender Pay Gap Reporting obligations.

The Employee Relations (ER) team supported the successful development and approval by the Governing Authority of a new probation policy which will assist managers and new employees by applying an effective probation experience. ER has supported the rollout and implementation of the new Dignity and Respect policy and procedure, supporting the effective management of dignity and respect investigations and subsequent policy applications such as Statute 28 disciplinary proceedings. The team supported managers and the HR Partner Team across UCD in all matters pertaining to employee relations and dispute resolution.

The UCD Mental Health and Well-being steering group oversaw the implementation of a new policy with a directory of supports. In addition, a bespoke online training course was developed and rolled out

The Promotions and Grading team facilitated the Faculty Promotions Committee who considered 65 applications for promotion during 2021/22, with 71% of applicants achieving promotion. The Gender Equality Action Plan (GEAP) set gender equality targets in promotion which are monitored on an annual basis. In 2021/22, the GEAP targets were achieved at all three levels.

The Job Sizing Framework, which recognises role growth and allows for a role to be resized without competition, is now in its third cycle with a steady state of applications being considered monthly from September to June of each year. Of the 19 roles submitted over the past year, 100% were resized to a higher grade.

Between October 2021 and September 2022, nine Technical Officers were successfully promoted to Senior Technical Officer by the Technical Staff Committee.

HR Services

Resourcing volumes have increased year on year. The Ad Astra recruitment programme resumed in 2021/22 with 30 new posts identified across three colleges (College of Engineering and

Architecture, College of Science and College of Social Science and Law). The programme has continued to attract excellent candidates both nationally and internationally and the University received 2,824 applications for this round which is up 35% on the previous campaign. This year's Ad Astra programme also provided an excellent opportunity to pilot the introduction of gender diversity targets and the use of search champions which are some of the key objectives in our Gender Equality Action Plan.

A number of key initiatives were extended for a further twelve months. For example, the Department of Further and Higher Education, Research, Innovation and Science, through the Higher Education Authority (HEA), had provided funding to higher education institutions to assist in the provision of funded extensions to research activities that were at risk because of delays incurred as a result of COVID-19 and this was extended beyond the original timeframe.

HR Operations has migrated its multiple reporting tools to Tableau. Following a detailed analysis of the existing estate of HR legacy reports and a wish list of new reports, the project was structured into a series of agile sprints to ensure a successful migration of over 300 reports. As part of the migration, improvements were made to the information provided to maximise the value of the project and ongoing usage. After a successful implementation, the HR team was provided with a state-of-the-art reporting and analytics solution that will cater for all of HR's reporting and data needs into the future.

UCD Legal

The UCD Legal Team has advised and acted in a wide array of matters across the scope of the activities of the University, including important areas of research, estates, international matters, student affairs, employee matters and GDPR. The team is recognised as giving leading advice in a number of different areas including state aid and clinical trials. They have actively contributed to policy development and sat as members of a range of committees and groups including for GDPR, Research, EDI, Academic Council Committees and Faculty Promotions Appeals.

The Office of the DPO continued to support and advise the University on a wide range of data protection matters and facilitated the ongoing implementation of the UCD GDPR Strategy. The extensive portfolio of data protection resources available to the UCD Community, both online and in person, contributed to UCD's ongoing progress of its data protection journey. Over the period of 2021/22 the UCD GDPR Champion network once again proved to be a helpful mechanism to reach Schools and Units in a more targeted way.

The Records Management and Freedom of Information Unit has had a challenging but productive year. UCD receives more requests than the other third-level institutions and both FOI and Access to Information on the Environment requests are becoming more complex and time consuming in nature. The Unit has concentrated on processing requests as efficiently as possible and in line with the legislation. They have proactively engaged with the Office of the Information Commissioner and the FOI Central Policy Unit with a view to improving the overall FOI process where possible.



UCD Culture and Engagement and Healthy UCD's 5+ Team Challenge which encouraged team members to record 5+ kms of running, walking or rolling a day for the month of February 2022. The challenge also encouraged participants to take 5+ servings of fruit and veg and spend 5+ minutes to mind their mental health each day.

Safety, Insurance, Operational Risk and Compliance Office

The SIRC Office took a lead role in the planning for the safe return of on-campus operations following the period of reduced activity onsite due to the COVID-19 pandemic. Significant preplanning was undertaken and the SIRC Office worked closely with colleagues in UCD Estates Services to ensure that the campus could safely accommodate a return to face-to-face teaching and the associated increase in the on-campus social, sporting and cultural activities that support and enhance the student experience. Protocols and minimum standards regarding ventilation, CO₂ monitors, contact tracing and other key COVID-19 controls were developed and implemented to ensure the safety of faculty, staff and students. As part of its COVID-19 response, the SIRC Office subsidised the sale of rapid antigen test kits to the wider university community via the Students' Union shops and oversaw the distribution of almost 100,000 free antigen test kits to students (a project funded by the Government). As international travel and fieldwork activities began to return to normal levels the SIRC Office updated and developed international travel guidance and fieldwork safety protocols.

Outside COVID-19 support work, the SIRC Office continued to advise and guide on workplace health and safety in UCD, reestablishing an onsite safety management and audit programme and in response to changing work practices updating guidance and training resources for colleagues engaged in home working. The Office also managed the University's insurance portfolio during another year with challenging market conditions.

Tristan Aitken

Chief People Officer and Director of SIRC and Legal Services

Outdoor display advertising from the CAO campaign.



UNIVERSITY RELATIONS

University relations is responsible for protecting and promoting the University's brand and reputation. This is achieved by managing the strategic communication with key stakeholders, managing our external profile in Irish and international media, ensuring a robust profile on social media, marketing our courses to the widest possible audiences, organising University-level events and publications. Team members continually provide support and advice to colleagues around the University on local communication and marketing, crisis communication and reputational issues.



Eilis O'Brien
Director of Communication
and Marketing

WE TAKE EVERY OPPORTUNITY possible to promote the University's values through our communication, ensuring that the University Strategy, Rising to the Future 2020-2024 is kept to top of mind at all times.

Communication throughout the COVID-19 pandemic was paramount in terms of ensuring each stakeholder audience was aware of the public health and safety actions being taken by the University. The position of the University in returning to normal also required extensive communication.

Social Media

The digital transformation of the central communication function continues apace as all key stakeholders engage more and more with the University on its social media platforms. The increased use of social media during the global COVID-19 pandemic also further boosted digital engagement with the

university. As a result, and with improved content gathering and posting, the central university social media platforms experienced extremely high levels of audience reach and audience engagement over the course of the year.

We now have over 500,000 followers across our five central social media platforms, with 250,000+ of these followers on the central LinkedIn platform. This provided the University with an unprecedented opportunity to tell its stories directly, frequently and effectively to its stakeholder audiences, and to actively engage them in the University's journey towards achieving its strategic aims while living its core values.

The content posted to the central social media channels that is most viewed and engaged with includes stories of the monumental successes of our students and alumni, our back to campus activities, and the respects paid to members of our community who lost their lives.

Among the most successful social media content posts over the period was the telling of the success story of UCD Ad Astra Scholar, Israel Olatunde who became the fastest Irishman ever

Among the most successful social media content posts over the period was the telling of the success story of UCD Ad Astra Scholar, Israel Olatunde who became the fastest Irishman ever while competing in the 100m at the European Championships 2022. On the University LinkedIn, the post reached an audience of 360,000+ and achieved 7,800+ engagements. On the University Facebook, the post had a further audience reach of 230,000+ and achieved an additional 1,000+ engagements.

Media Relations

Over the course of the year, two media training sessions with faculty were hosted in partnership with The Conversation UK. One of the sessions was specifically geared towards Ad Astra Scholars to enhance their engagement with traditional news media to promote their research expertise and published findings to external stakeholder audiences and the wider public.

A new science radio series was agreed with the national radio station, Newstalk. The weekly series entitled 'The Hard Shoulder's Guide to the Galaxy' features UCD's Dr Colman Gallagher, a Planetary Geomorphologist from the UCD School of Geography in one-to-one conversation with the show's presenter Kieran Cuddihy.

Another key achievement this year was the news media coverage of PERITIA – Policy Expertise and Trust in Action, a Horizon 2020 EU-funded project led by UCD Professor Maria Baghramian from the UCD School of Philosophy. The research is aimed at helping citizens and policymakers better understand trust in science and identify trustworthy expertise in support of improved democratic governance for the future of Europe.

Working with RTÉ Prime Time, a television segment was arranged to tell the story of how UCD provided on-campus accommodation over the summer months for 230+ refugees and their families fleeing the Russian invasion of Ukraine.

In terms of reactive media relations, the communication response to multiple issues and crises was effectively managed to protect the reputation of the University, including the effect of the ongoing COVID-19 pandemic on the return to campus.

Marketing Campaigns

During the 2021/22 academic year UCD University Relations rolled out a new suite of marketing campaigns, with the theme 'Future Focused', to three key prospective-student audiences: domestic undergraduate, domestic graduate, and international, which focus on the campus experience and student development in the post



COVID-19 era. The video-led campaign materials feature a large and diverse cast of UCD students representing a broad cross section of areas of study and emphasising the benefits of the campus learning environment. The campaign suite was recognised in June 2022 with two creative production awards by the Institute of Creative Advertising and Design (ICAD). A new set of campaign landing pages was also developed to guide the prospective student consideration journey across relevant touchpoints.

Undergraduate: CAO

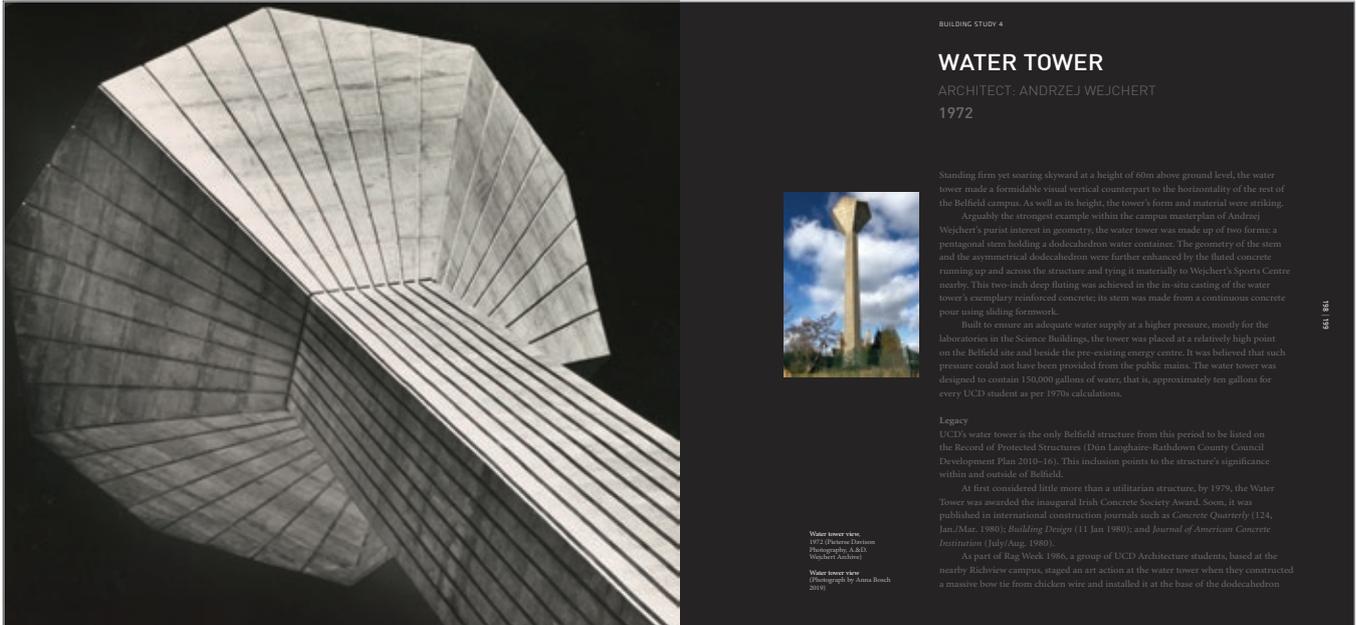
Using the CAO creative assets from the new Future Focused campaign, a three-part multimedia nationwide marketing and advertising campaign was developed, targeting prospective undergraduate students, including Irish school leavers and their parents/guardians. The components centred on generating interest in UCD Open Day, the main CAO campaign run from December 2021 to February 2022, and the Change of Mind campaign which ran in the key 'change of mind' periods of May and late June, prior to the 'change of mind' closing date of 1 July. The campaign generated a significant increase in traffic to UCD.ie/CAO year on year, a significant increase in engagement and a substantial increase in traffic to view UCD courses year on year.

International: Autumn 2021 and Spring 2022 campaign

Following the launch into three non-EU regions of the new ucd.ie/future campaign materials in Autumn 2021, this was expanded into a reminder and call-to-action marketing phase in Jan-Feb 2022, driving additional site traffic, dwell time, and actions on page.

Domestic Graduate: Spring 2022 campaign

A taught masters campaign ran from mid-March to the end of April 2022. This campaign targeted high-achieving final-year undergraduate students in Irish universities nationwide, with a secondary target audience of early career professionals. The multimedia nationwide



BUILDING STUDY 4

WATER TOWER

ARCHITECT: ANDRZEJ WEJCHERT

1972

Standing firm yet soaring skyward at a height of 60m above ground level, the water tower made a formidable visual vertical counterpart to the horizontality of the rest of the Belfield campus. As well as its height, the tower's form and material were striking.

Arguably the strongest example within the campus masterplan of Andrzej Wejchert's purist interest in geometry, the water tower was made up of two forms: a pentagonal stem holding a dodecahedron water container. The geometry of the stem and the asymmetrical dodecahedron were further enhanced by the fluted concrete running up and across the structure and lying it materially to Wejchert's Sports Centre nearby. This two-inch deep fluting was achieved in the in-situ casting of the water tower's exemplary reinforced concrete; its stem was made from a continuous concrete pour using sliding formwork.

Built to ensure an adequate water supply at a higher pressure, mostly for the laboratories in the Science Buildings, the tower was placed at a relatively high point on the Belfield site and beside the pre-existing energy centre. It was believed that such pressure could not have been provided from the public mains. The water tower was designed to contain 150,000 gallons of water, that is, approximately ten gallons for every UCD student as per 1970s calculations.

Legacy

UCD's water tower is the only Belfield structure from this period to be listed on the Record of Protected Structures (Dáin Laoghaire–Rathdown County Council Development Plan 2010–16). This inclusion points to the structure's significance within and outside of Belfield.

At first considered little more than a utilitarian structure, by 1979, the Water Tower was awarded the inaugural Irish Concrete Society Award. Soon, it was published in international construction journals such as *Concrete Quarterly* (124, Jan/Mar, 1980); *Building Design* (11 Jan 1980); and *Journal of American Concrete Institution* (July/Aug, 1980).

As part of Rag Week 1986, a group of UCD Architecture students, based at the nearby Richview campus, staged an art action at the water tower when they constructed a massive bow tie from chicken wire and installed it at the base of the dodecahedron



Water tower view
1972 (Science Museum
Photography, A&A
Wejchert Architects)

Water tower view
(Photograph by Anna Binch
2019)

Double page spread from *Making Belfield* – a special publication for the Belfield 50 project, examining the architecture from an academic perspective, focussing on the origins and importance of UCD's architecture, collections and libraries, and to raise awareness of the excellence of the Belfield campus and its original architectural components.

campaign ran in press, on radio, on outdoor advertising and on all target-appropriate digital and social media channels.

Graduate: UCD Online

Having fully updated and redesigned the www.ucd.ie/online website during the surge in interest in online learning in 2020, UCD University Relations continues to support the site with the addition of new courses, targeted digital promotion of the website and regular analysis and optimisation of site content and user journeys.

Undergraduate: Ad Astra Academy

In advance of the application deadlines, a nationwide targeted digital campaign was aimed at influencers of high-potential school leavers in the strands of Academic, Performing Arts and Elite Athletes.

Marketing Consultation

The central marketing team in UCD University Relations provides year-round professional advice and support to colleagues in communication and marketing roles or on a project basis to units. During this period, consultation was provided to:

- Advance Centre: Providing brand and collateral design guidance, web development guidance prior to the relaunch of the Advance Centre's full suite of courses and website redesign.
- UCD Microcreds: Providing positioning, product messaging and web development guidance prior to the launch into the market of a UCD Microcredentials offering in Autumn 2022. A UCD marketing manager represents UCD on the IUA Microcreds Communications Working Group.
- UCD Global / Education In Ireland: UCD was represented on a joint working group co-led by Education in Ireland and Dublin City Council to pilot the promotion of Dublin as a graduate-taught study destination to students from Italy, France, Germany and Spain. The Dublin.ie scholarship campaign was launched on social media and education websites in April 2022.

UCD Today, the campus magazine was published online during the pandemic and continues online.

There were three issues during 2021/22, featuring and celebrating faculty, staff and student achievements across campus

University Publications

UCD Today, the campus magazine was published online during the pandemic and continues online. There were three issues during 2021/22, featuring and celebrating faculty, staff and student achievements across campus. Some interesting features included What do Election Polls really mean?, Assistant Professor Stefan Muller, UCD School of Politics and International Relations; The Hidden Cost of Poverty, Dr Michael Collins, UCD School of Social Policy, Social Work and Social Justice; The Pandemic Preparedness that saved thousands of Lives in ICU, Professor Alistair Nicholl, UCD School of Medicine; and How Dogs can Pollute our Rivers and Seas, Professor Wim Meijer, UCD School of Biomolecular and Biomedical Science. The magazine also included a new feature, 'In Profile', interviewing interesting people in our University Community.

The Unit produces a range of University publications, including the Acting President's Reports to Governing Authority, along with this Annual Report of the President. Information is collated, checked and published to the highest publication standards.

Events

The Unit organises a broad range of University-level events and provides advice and support to colleagues around the University on logistics and protocol. During this year, support was provided for UCD Conferings both virtual and in-person, UCD Honorary Conferings, Ulysses Medal presentations, launches and VIP/ Government visits.

On 18 March, as part of the Belfield 50 project, celebrating some of the stellar talents in Irish music and in recognition of their outstanding contribution to arts and culture, the University awarded honorary doctorates to Mary Bergin, Mary Black, Finbar Furey, Paddy Glackin, Andy Irvine, Triona Ní Dhomhnaill and Mary O'Hara. Musician Paul Brady was awarded the Ulysses Medal for his contribution to and influence on music and Irish musicians.

Projects

Belfield 50

Through the various strands of the Belfield 50 project, the University took the opportunity to celebrate what makes our campus so special, its foundations, its buildings, its memories and its people. Over five decades generations of students have spent their formative years on the Belfield campus and their time at UCD has helped mould their life journeys.

The project leaves a rich legacy, including a TV documentary *The Flourishing*, a website featuring an online timeline exhibition, a short architectural film, a book *Making Belfield* and an iconic photographic exhibition, *Conveying Space*.

The Flourishing

Tapping into an important aspect of cultural life in Ireland and Belfield over the past 50 years, the Irish Folk Music Revival makes a special connection to musicians who came to UCD as students since 1970.

With financial support from the Department of Foreign Affairs and Tourism Ireland, University Relations supported Professor PJ Matthews, School of English, Drama and Film and commissioned

Tyrone Productions to produce a documentary to tell the story. It features a wealth of performance by our stellar honorary doctorate recipients and their guests, all filmed at iconic UCD locations in Summer/Autumn 2021. Each one tells their story and performs some of the pieces which have ensured that folk music, its songs and its players retain its significance to the story of Irish music at home and abroad.

Making Belfield – Space and Place

This beautifully designed book, published by UCD Press and edited by Professor Finola O'Kane Crimmins and Dr Ellen Rowley, UCD School of Architecture, Planning and Environmental Policy is a celebration of UCD since the late 1960s, and explicitly since 1970. It examines the architecture from an academic perspective, to focus on the origins and importance of UCD's architecture, collections and libraries, and also, to raise awareness of the excellence of the Belfield campus and its original architectural components.

The essays evoke memories of Belfield and of time spent there in the various spaces and places and will give the reader a deeper understanding of the place that has shaped so many.

Conveying Space

Following the successful outdoor exhibition of images from his artist in residence commission in summer 2020, artist photographer Daniel Holfeld created a limited-edition series of *Conveying Space* which went on exhibition in Newman House and the Museum of Literature Ireland (MoLI) in June 2022. Holfeld's images provide access to a new look at the built legacy of UCD; deconstructing the elemental components of architecture, transforming the rebar, concrete and stucco of its buildings to change the way we think about the structures themselves. The twenty first editions will return to Belfield for permanent exhibition and provide a lasting legacy of the Belfield 50 project.



Eilis O'Brien

Director of Communication and Marketing



Renowned folk musicians Mary Bergin, Paddy Glackin and Paul Brady filming for *The Flourishing* at the Museum of Literature Ireland.

Artists in Residence (l-r):
Dónal Lunny, Jennifer
Jennings and Mark
O'Halloran with Assoc
Prof PJ Mathews, UCD
School of English,
Drama and Film.



COLLEGE OF ARTS AND HUMANITIES



Professor Regina Uí Chollatáin
Principal, UCD College of Arts
and Humanities
Príomhoifigeach, Coláiste na
nEalaíon agus na nDaonnachtaí

Despite the challenges of the pandemic and the return to hybrid teaching and working, the College of Arts and Humanities enjoyed much success as the world returned to a new normal.

BHÍ BLIAIN SPÉISIÚIL ghníomhach le forbairtí nuálacha agus imeachtaí spreagúla ag Coláiste na nEalaíon agus na nDaonnachtaí. The year got off to a great start when the College welcomed three new Artists-in-Residence to the Creative Futures Academy. On the first day of the new academic year, THISISPOPBABY Director Jennie Jennings started at UCD as Artistic Director-in-Residence, musician and composer Dónal Lunny as Musician-in-Residence, and actor and writer Mark O'Halloran as Screenwriter-in-Residence. Through a mix of classes, masterclasses and workshops, these artists

bring a new dimension and a wealth of industry knowledge and insights to the classroom.

The year also saw a range of developments in our curriculum. At graduate level, UCD Clinton Institute welcomed its first cohort of students on the MA in Journalism and International Affairs with CNN, while UCD School of English, Drama and Film welcomed students for the first year of the new MA in Writing for Stage and Screen. At undergraduate level, the College welcomed its first cohort of students for three new BAs: Global Studies, European Studies, and Teanga, Litríocht agus Aistriúchán (Irish Language, Literature and Translation). The academic year also saw the first cohort of 118 students complete the first full cycle of the relatively new four-year Humanities degree, from the first intake in 2018. The College also launched the BA in Creative and Cultural Industries, set to start in 2022.

118

students completed the first full cycle of the relatively new four-year Humanities degree, from the first intake in 2018

The College celebrated the centenary of *Ulysses* and Bloomsday by launching a short film *Re:Joyce – A Life in the Day* in honour of our most famous alumnus James Joyce. The film offers a panorama of UCD student life today, reflecting the essence of Joyce in a creative, experimental and unexpected way. The film was featured on RTÉ News, played at MoLI for Bloomsweek and has won Shark awards.

Professor Robert Gerwarth, UCD School of History was awarded €2.5 million in the prestigious ERC Advanced Grant competition for his project 'The Age of Civil Wars in Europe 1914-1949'. The aim of the project is to develop a better understanding of why the 20th century became the most violent century in human history and why civilians outnumbered soldiers among the dead in most of these conflicts.

Meanwhile, Professor Margaret Kelleher, UCD School of English, Drama and Film was awarded the acclaimed Cullman Centre fellowship at the New York Public Library, where she will work on a joint biography of Mary Maguire Colum and Padraic Colum, Irish-

The year also saw Professor Michael Brophy, UCD School of Languages, Cultures and Linguistics lead the launch of UCD's Languages for Life, a University wide initiative to promote the benefits of language in a multilingual global campus



Assoc Prof Jorie Lagerwey, Vice-Principal for Teaching and Learning with her award at the Teaching and Learning Awards in the University Club.

born writers and activists who moved to New York in 1914. Playwright and UCD graduate Shane Mac an Bhaird was announced as the winner of the second creativity bursary in Drama. He will work with UCD Special Collections next year, focussing on the Henry Morris Manuscripts and related papers, researching a new play based on the Oriel poets.

Associate Professor Jorie Lagerwey, Vice-Principal for Teaching and Learning hosted an event at the University Club to celebrate the



Behind the scenes at '*Re:Joyce a Life in the Day*', a short film to commemorate James Joyce, UCD's most famous graduate for the centenary of Ulysses.

College structure

Professor Sarah Prescott
Professor Regina Uí Chollatáin
 (appointed July 2022)
 College Principal and Dean of
 Arts and Humanities

Associate Professor
Gillian Pye
 Associate Dean for Arts
 and Humanities

Professor Jaime Jones
 Deputy Associate Dean for
 Arts and Humanities

Dr Joseph Twist
 Vice-Principal for EDI

Associate Professor
Conor Mulvagh
 Vice-Principal for Global
 Engagement

Associate Professor
Lucy Collins
 Vice-Principal for Graduate
 Studies

Associate Professor
Jorie Lagerwey
 Vice-Principal for Teaching
 and Learning

Associate Professor
Catherine Cox
 Vice-Principal for Research,
 Innovation and Impact

**UCD College of Arts and
 Humanities consists of
 seven schools:**

Associate Professor
Emily Mark-Fitzgerald
 Head of School, UCD School
 of Art History and Cultural Policy

Dr Martin Brady
 Head of School, UCD School
 of Classics

Professor John Brannigan
 Head of School, UCD School
 of English, Drama and Film

dedication and excellence of faculty at the Teaching and Learning Awards ceremony. Congratulations to the winners across the College: Dr Christopher Farrell, UCD School of Classics; Dr Lucy Collins, Dr Paul Halferty and Professor Emilie Pine, UCD School of English, Drama and Film; Dr Elizabeth Mullins, Associate Professor Conor Mulvagh and Professor Robert Gerwarth, UCD School of History; Eoin McEvoy, UCD School of Irish, Celtic Studies and Folklore; Professor Ursula Fanning, UCD School of Languages, Cultures and Linguistics; and Associate Professor Wolfgang Marx and Dr Ciarán Crilly, UCD School of Music.

The year also saw Professor Michael Brophy, UCD School of Languages, Cultures and Linguistics lead the launch of UCD's 'Languages for Life', a University-wide initiative to promote the benefits of language in a multilingual global campus, in support of the Government's Languages Connect strategy.

Whilst some events remained online, we also enjoyed getting back to in-person events:

UCD School of Irish, Folklore and Celtic Studies welcomed former RTÉ Director General and UCD alumnus Cathal Goan for the annual Léacht Uí Chadhain, titled 'Ceacht ón Bóitheach', which looked at current public perceptions of the Irish language media.

The College welcomed the crème de la crème of the traditional Irish music scene – Mary Bergin, Mary Black, Finbar Furey, Paddy Glackin, Andy Irvine, Triona Ní Dhomhnaill and Mary O'Hara – to an honorary conferring and concert, as part of the Belfield 50 celebrations. A one-hour documentary about the honorary musicians called *The Flourishing* which was filmed on Belfield campus was broadcast on RTÉ One television, as part of this celebration.

The College partnered with UCD School of Classics to deliver this year's Annual Lecture 'Classical Culture and Irish identities – Diachronic and Polyphonic perspectives', which was delivered by Professor Isabelle Torrance, Aarhus University, Denmark. Professor Torrance brought us on a whistle-stop tour of the rich connections between classical culture and Irish identities.

UCD School of Irish, Folklore and Celtic Studies welcomed former RTÉ Director General and UCD alumnus Cathal Goan for the annual Léacht Uí Chadhain, titled 'Ceacht ón Bóitheach', which looked at current public perceptions of the Irish language media



Shane Mac an Bhaird wins Joseph M Hassett Creativity Bursary award in Drama.

College structure

Professor William Mulligan
Head of School, UCD School of History

Dr Kelly Fitzgerald
Head of School, UCD School of Irish, Celtic Studies and Folklore

Associate Professor Síofra Piere
Head of School, UCD School of Languages, Cultures and Linguistics

Dr Ciarán Crilly
Head of School, UCD School of Music

As at 1 September 2021

UCD School of Art History and Cultural Policy welcomed alumni and industry representatives to their Annual School Lecture 'Meeting Challenges in the Irish Art Market: A Commercial Gallerist's View', delivered by UCD graduate Tara Murphy, owner and director of Solomon Fine Art Gallery.

The UCD Orchestra and the UCD Philharmonic Choir performed their annual concert to a packed St Patrick's Cathedral titled 'French Connections' and featuring the works of Ravel, Fauré and Saint-Saëns.

The Choral Scholars of University College Dublin joined forces with the University of Southern California Thornton School of Music Chamber Singers to perform 'Into the Light' at St Ann's Church on Dawson Street, Dublin.

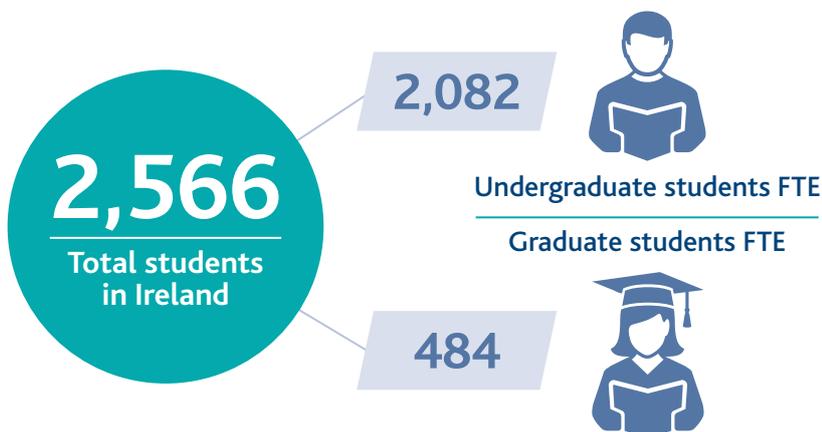
In line with the University Equality, Diversity and Inclusion (EDI) strategy, the College undertook some important EDI work: A new EDI scholarship was launched for the 2022/23 academic year at postgraduate level. Dr Joseph Twist, Vice-Principal for EDI published an annual report to shape and drive discussions around EDI in the College, University and beyond. Dr Nic Pillai, UCD Creative Futures Academy (CFA) collaborated with RTÉ to create the inaugural UCD CFA Access Media Training, a weekend of intensive training for the communities who are under-represented in the Irish media.

The year ended with the handover from Professor Sarah Prescott to Professor Regina Uí Chollatáin. As College Principal and Dean since 2016, Professor Prescott's sterling leadership ensured that many initiatives in Teaching and Learning, and Research and

Innovation were implemented with vigour and enthusiasm. These proposals and projects have created new avenues for faculty, staff and students in all areas within the Arts and Humanities. Professor Prescott's guidance and governance of the development of the four-year Humanities degree, have enhanced academic offerings, while enriching the student profile of the College with increased diversity in our student and staff population. Research impact improved significantly under Professor Prescott's stellar direction resulting in a 400% increase in research funding, while launching an innovative thematic approach under the umbrella of the UCD strategic theme 'Empowering Humanity'. Professor Prescott also worked extensively with external partners and alumni to enhance the student experience and the employability of graduates, demonstrating a deep commitment to internationalisation and EDI. As a scholar of international repute, she has also left her personal mark on UCD research with her work on women's writing, and in particular in her role in the Leverhulme Trust project on 'Women's Poetry 1400-1800 from Ireland, Scotland, and Wales in Irish, English, Scots, Scottish Gaelic and Welsh'. We heartily congratulate and look forward to further collaboration with Sarah in her new appointment as Vice-Principal and Head of the College of Arts and Humanities, and Social Sciences at the University of Edinburgh.

Regina Uí Chollatáin

Professor Regina Uí Chollatáin
Principal, UCD College of Arts and Humanities
Príomhoifigeach, Coláiste na nEalaíon agus na nDaonnachtaí





COLLEGE OF BUSINESS



Professor Anthony Brabazon
College Principal and Dean of Business

Pictured above from left to right, Sakshi Jain, MBA student; Prof Gerardine Doyle, Director of UCD Smurfit School and Associate Dean of the UCD College of Business; Prof Anthony Brabazon, Dean, UCD College of Business; Asst Prof Kathy O'Reilly, Academic Director for the MSc in Management Consultancy and an alumna of one of the first classes to graduate from the Smurfit School.

As Ireland's leading business school, we strive to actively inspire and co-create a better future for our students, our staff, our alumni and for business and society in Ireland and the world.

CELEBRATIONS FOR UCD Michael Smurfit Graduate Business School's 30th anniversary kicked off on 11 October, marking three decades since the School opened its doors in 1991. Over three decades, more than 25,000 graduates advanced their careers to have a positive impact on business and society around the globe.

College Developments

With the return to campus, our College community benefits from new and recent physical infrastructure additions, including the Behavioural Research Lab located on the Blackrock campus, and the impressive UCD Moore Centre for Business with its purpose-built, digitally enhanced group workspaces, and a new Media Suite, where faculty and students can engage

with new and exciting technology, both online and in-person.

Our international partnership activities saw significant growth with the signing of new MOUs between the College and three universities: Showa Women's University (Japan), Abu Dhabi University (UAE), and Howard University (USA). In addition, a new undergraduate exchange agreement is in place with City University of Hong Kong.

The first ever 'global podium ranking' for our programmes was achieved by the Masters in International Management/CEMS MM which was placed third globally by the prestigious Financial Times Masters in Management rankings. Supporting the accolade, the School was also named 'CEMS School of the Year' in 2021.

The School performed strongly in other global FT rankings, with the MSc in Finance placing 36th and the Executive MBA placing 72nd. In addition, UCD Smurfit School Executive Development was ranked 31st in the world in the 2022 Financial Times Executive Education Open Enrolment listings, its highest-ever placing. In the QS Business Masters programme rankings, seven of our programmes ranked in the global top 50, with the MSc in Supply Chain Management ranking 13th.

The College also underwent a successful review of its membership in the prestigious Global Network for Advanced Management (GNAM) which encompasses 32 leading business schools globally and received re-accreditation from the Association of MBAs (AMBA).

Education and Student Experience

Continuing to have a global impact, 26 undergraduate and postgraduate students in the College came together to work on three international co-curricular learning projects as part of the Proudly Made in Africa initiative. Students worked with the CEOs of three small organisations to recommend how each organisation might go about upscaling its operations. The initiative allowed students to engage with international partners to enhance their intercultural development skills and to also learn about business, society and sustainable development across the continent of Africa.

Students from UCD Lochlann Quinn School of Business took top awards at the virtual UConn Case Competition for the second year running, and a group of UCD students, captained by Aoife Cunningham, BComm International, represented Ireland at the ENGGCOMM 2021 Case Competition in Canada scooping four top awards and placing second overall.

In addition, Altamash Shaikh, Business and Law candidate, was selected as the first UCD Nobel Scholar joining an elite group of

In Memoriam

This past academic year, we mourned the loss of our dear colleague **Dr Christoph Drechsler** who was an integral member of the accounting faculty for 20 years. Among his many contributions to the UCD College of Business, Christoph led the foundation of the MSc in Strategic Management Accounting (now the MSc in Accounting and Financial Management) in 2010 and also served as its academic director. He also led the teaching of Management Accounting on the MBA programme for many years and was the lead UCD faculty representative in the global CEMS alliance concerning environmental management. Christoph was a dedicated educator who inspired a generation of students ranging from those just beginning their business studies to experienced professionals. Ar dheis Dé go raibh a anam.

11 students from universities around the world. The Nobel Scholarship is a new UCD Quinn School initiative, in partnership with Education First and the Forum on Education Abroad, to collaborate in a global module supporting a small group of international changemakers who work and learn together and participate in the Nobel Dialogues Week as part of the Nobel Prize events.

This year also saw the introduction of new programmes including the interdisciplinary UCD BSc Sustainability programme, which now offers a Business and Economics stream as part of our commitment to business and society. At graduate level, the new flexible attendance Modular Executive MBA was introduced to suit those with busy professional and personal schedules.



Students enjoying the new learning spaces in UCD Moore Centre for Business.

College structure

Professor Anthony Brabazon
Dean of UCD College of Business

Professor Gerardine Doyle
Associate Dean and Director
of UCD Smurfit School

Associate Professor Maeve Houlihan
Associate Dean and Director
of UCD Quinn School

Professor Don Bredin
Associate Dean International

Helen Brophy
Director of UCD Smurfit
Executive Development

Professor Donna Marshall
Vice-Principal for Research,
Innovation and Impact

Professor Paul Ryan
Vice-Principal for Teaching
and Learning

Professor Andreas Hoepner
Vice-Principal for Equality,
Diversity and Inclusion

As at 1 September 2021

Publications in leading academic journals have increased by circa 30% over the past two years, and there has also been a marked increase in external research funding awarded to College faculty, with an increase of 78% year-on-year

Research, Innovation and Impact

Over the past 18 months, the College has welcomed new faculty across all subject areas, which has had a transformational impact on research and teaching capacity. Publications in leading academic journals have increased by circa 30% over the past two years, and there has also been a marked increase in external research funding awarded to College faculty, with an increase of 78% year-on-year. Funding success covered a wide range of projects and disciplines with significant awards being received by Professor Geertje Schuitema, Professor Michael O'Neill, Associate Professor Paula Carroll, Associate Professor Marius Claudy, Professor John Cotter, Professor Andreas Hoepner, Associate Professor Julie Byrne and Professor Cal Muckley, among others.

With the theme of sustainability at the fore of global conversations, our faculty are actively involved in this area, leading significant-sized awards and projects.

Associate Professor Geertje Schuitema is part of the Irish Centre for Research in Applied Geosciences team that was awarded €28 million to address key issues at the interface of the earth and human systems. In this project Geertje, Professor Donna Marshall and the wider team are undertaking research on how consumers respond to businesses' (un)sustainable supply chain practices and how this affects their willingness to participate in the circular economy.

At the Annual Academy of Management Conference, Assistant Professors Alessia Paccagnini and Luca Pistilli won the Gender, Diversity and Entrepreneurship Kauffman Best Paper Award for their article 'Gender Bias in Entrepreneurship: What is the Role of the Founders' Entrepreneurial Background?'

Assistant Professor John McCallig was the recipient of the 2022 NovaUCD Invention of the Year Award for his work in investigating how blockchain technology and advanced cryptography can be combined to design accounting systems that enable transparent access to verifiable accounting information.

Colleagues were also recognised for excellence in research and outstanding contributions in their disciplines, including Professor Michael O'Neill who was awarded the Lero Director's Prize for Research Excellence for his contributions to the field of Genetic Programming. Professor Gerardine Doyle was elected as President of the European Institute of Advanced Studies in Management (EIASM) and Professor Mary Lambkin was awarded the 2022 Marketing Institute All-Ireland Marketing Champion.



Associate Professor Geertje Schuitema is part of the Irish Centre for Research in Applied Geosciences team that was awarded €28M to address key issues at the interface of the earth and human systems.



Professor John Geary and Assistant Professor Maria Belizon's research made headlines as they found that trade union membership is increasingly becoming a female phenomenon.

Alumni and External Engagement

At the AMBA and BGA Excellence Awards 2022, success was achieved in three categories with silver awards being received for Best Culture, Diversity and Inclusion Initiative for the 'Intercultural Development Programme' and an award for Best Innovation Strategy (Alumni Relations) for the 'Business Alumni Challenge: Around the Globe in 30 Days'. The Challenge saw close to 1,000 participants from around the world join in the physical and well-

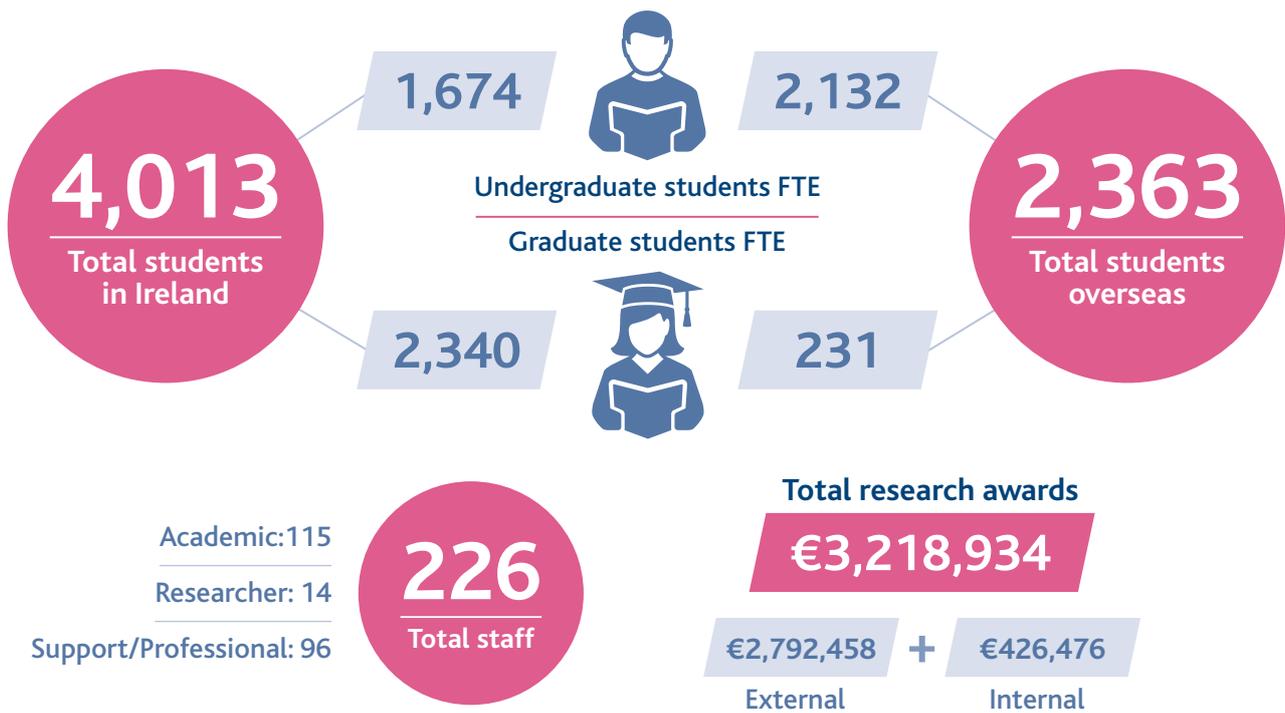
In building community, we have worked hard to more closely connect leaders of the future with leaders of today, linking current students and our alumni

being challenge to connect with each other both virtually and in person. In addition, a bronze award was received for Best Business School Partnership for the project 'Their Lives Matter'. Through this project, a donor-dependent charity organisation from Tanzania was able to access comprehensive, student-led consultancy advice.

In building community, we have worked hard to more closely connect leaders of the future with leaders of today, linking current students and our alumni. In UCD Quinn School, over 170 students have participated in our mentorship programme, and through the UCD Smurfit School Graduate Leadership Programme mentoring programme, 100 alumni and students have worked together through a diverse range of co-curricular activities to help students become impactful leaders with a global mindset.



Professor Anthony Brabazon
College Principal and Dean of Business



NexSys was officially launched in May 2022 by Irish Minister for Further and Higher Education, Research, Innovation and Science Simon Harris, TD, pictured with (l-r) Prof Andrew Keane, Director of NexSys and UCD Energy Institute; Prof Aoife Ahern; Simon Harris TD; Prof Philip Nolan, Director General of SFI; and David O'Reilly, Chair of UCD Energy Institute Advisory Board.



COLLEGE OF ENGINEERING AND ARCHITECTURE



Professor Aoife Ahern
College Principal and
Dean of Engineering

The 2021/22 academic year brought opportunities and challenges as the College operated through the continuing COVID-19 pandemic.

WHILE THE TRANSITION BACK to campus was daunting but also exciting, with massive effort by our academic, technical, and professional staff, we welcomed our students, researchers and several new staff, and enjoyed another successful year of teaching and learning, research and innovation, and engagement activities. My sincere thanks to everyone.

Education and Student Experience

In 2021/22, additional CAO places were offered across our four undergraduate programmes; Architecture (DN100), City

Planning and Environmental Policy (DN130), Engineering (DN150) and Landscape Architecture (DN120) all maintained strong first preferences. In relation to Engineering in particular, this indicated growing interest in STEM degrees from second-level students. All our undergraduate programmes attracted an excellent and diverse cohort of students. This is very reassuring for our programmes and the future pipeline for these professions nationally.

Embedded professional work placements are features of both our Master of Engineering and BSc Landscape Architecture programmes with a total of 242 students placed in

2021/22 undertaking internships with 113 employers. Employer feedback is very complimentary, and many students are completing final research projects with their employers, and/or offered graduate roles.

A prestigious, new double-degree Masters collaboration (ME Manufacturing) was approved with the EIT Master School, Paris, introducing a suite of specialist majors, in partnership with several European institutions.

Engagement and Outreach

The College's engagement and recruitment endeavours continued successfully over the last 12 months and while many activities were offered virtually, our College was delighted to re-commence 'in-person' events as restrictions allowed.

Most notably our weeklong 'Engineering Your Future' programme designed to inspire fourth year students to study engineering, our architecture and planning summer school for fifth year students, our High School Summer School for USA students and our inaugural 'Experience UCD' for sixth year students all took place in person. The College was also delighted to unveil the new Alumni Showcase Wall which will serve to inspire our current students and be updated on an annual basis.

The UCD Engineering Graduates Association events commenced in September 2021 with the Gold Medal and Award Ceremony, where students were recognised for excelling in their disciplines.



Professor Eoin Casey, CBE, received a European Research Council (ERC) Advanced Grant 2021 award for the project entitled 'Analysis of Biofilm Solid Interactions Underpinning Wastewater Treatment'.

Over €37.86m

in new external research funding
– the highest ever – from a range
of prestigious and competitive
programmes, representing 24% of
research funding to UCD in 2021/22

The Autumn Panel Discussion 'Sustainable Housing – The roadmap to net zero for homes and neighbourhoods', was held in November 2021. The AGM saw the election of President, Majella Henchion, who brings considerable expertise to the role. Donal Wyse's successful presidency concluded, and his leadership is gratefully acknowledged. The Spring Panel Discussion 'The role of Energy Security as we transition to a carbon neutral society' took place in April 2022.

Research, Innovation and Impact

2021/22 is a record year for the College of Engineering and Architecture with over €37.86 million in new external research funding awarded – the highest ever – from a range of prestigious and competitive programmes, representing 24% of research funding to UCD, contributing significantly across the University's four strategic pillars.

- The SFI Strategic Partnership award of €16 million over five years for the 'Next Generation Energy System (NexSys)', led by Professor Andrew Keane, Director, UCD Energy Institute (EEE). This flagship initiative also involves Professors Federico Milano, Alojz Ivankovic, Aoife Ahern and Eoin Casey; Assoc Professors Damian Flynn, Terence O'Donnell, Vikram Pakrashi, Philip Cardiff and Francesco Pilla; Drs Paul Cuffe, Alireza Soroudi, Oliver Kinnane, Sarah Cotterill, Páraic Carroll, Abdollah Malekjafarian, Philip Donnellan, Recep Dereli, Eoin Syron, James O'Donnell and Nan Zhao.
- The European Research Council (ERC) Advanced Grant 2021 awarded to Professor Eoin Casey (CBE) for the project entitled 'Analysis of Biofilm Solid Interactions Underpinning Wastewater Treatment'.
- A five-year EU Green Deal project awarded by the European Commission, totalling €23 million across all collaborators, for the project entitled 'Water-based solutions for carbon storage people and wilderness (WaterLANDS)', hosted in APEP, involving Drs Craig Bullock (co-ordinator), Shane McGuinness, Louise Dunne and other UCD and external collaborators.

Other significant successes include:

- Four Science Foundation Ireland (SFI) Frontiers of the Future awards awarded to Dr Mert Celikin and co-investigator Associate Professor Eoin O'Cearbhaill (MME); Dr Ioscani Jimenez Del Val (CBE) and collaborator Associate Professor Jonathan Bones (CBE and NIBRT); Dr Abdollah Malekjafarian and collaborator Professor Eugene O'Brien (CE); Dr Teerachot Siriburanon and co-investigators Professors Anding Zhu and Bogdan Staszewski (EEE).

College structure

Professor Aoife Ahern
College Principal/Dean of
Engineering

**Associate Professor
David Timoney**
Associate Dean of Engineering/
Vice-Principal for Teaching and
Learning

Professor Mark Scott
Dean of Architecture, Planning
and Environmental Policy

Dr Ciaran McNally
Vice-Principal for Development

Dr John Healy
Vice-Principal for Equality,
Diversity and Inclusion

**Associate Professor
Tom Curran**
Vice-Principal for
Internationalisation

Professor Aoife Gowen
Vice-Principal for Research,
Innovation and Impact

**UCD College of Engineering
and Architecture consists
of six schools:**

**Associate Professor
Eoin O'Neill**
Head of School, UCD School
of Architecture, Planning and
Environmental Policy (APEP)

Professor Colm O'Donnell
Head of School, UCD School
of Biosystems and Food
Engineering (BFE)

Professor Eoin Casey
Head of School, School of
Chemical and Bioprocess
Engineering (CBE)

**Associate Professor
Amanda Gibney**
Head of School, School of
Civil Engineering (CE)



The first Project Team Meeting of the EU Green Deal 'WaterLANDS' Project Team was held on 4-6 May 2022 in the Wood Quay Venue (Dublin City Council Offices).

- Phase 2 funding awarded for SFI Research Centres faculty participate in include the Centre for Research in Medical Devices (CURAM) involving Professor Madeleine Lowery (EEE) and Associate Professor Eoin O'Cearbhaill (MME); and CONNECT involving Professor Anding Zhu, Associate Professor Mark Flanagan and Dr Le Nam Tram (EEE).
- Dr Ronal Halim (BFE) received a prestigious IRC Starter Laureate award.
- Three SFI-IRC Pathway awards supporting talented postdoctoral researchers to become independent research leaders were awarded to fellowship candidates Drs Junli Xu (BFE), Sigrid Dupan and Elaine Corbett (EEE), mentored respectively by Professors Aoife Gowen, Professor Madeleine Lowery and Associate Professor Simon Kelly (EEE).
- Five UCD Equip programme grants enhancing the College's research infrastructure facilities were awarded to: Professor David Browne, Associate Professor Aisling Ní Annaidh and Dr Kevin

5 UCD Equip programme grants enhancing the College's research infrastructure facilities were awarded

Nolan (MME); Dr Ronald Halim (BFE);
and Dr Veronica Sofianos (CBE).

The following prizes demonstrate the impact of the College's innovation outputs and activities:

- Go Eve, founded jointly by UCD and Imperial College London, led by Professor Robert Shorten (EEE), won the 2021 NovaUCD VentureLaunch Accelerator Programme.

ProvEye, co-founded by Professor Nick Holden (BFE) and Dr Jerome O'Connell won the Ornuu Most Innovative AgTech Start-up 2022 and received top prize on the Inaugural AgriTechUCD Accelerator programme

College structure

Professor John Sheridan
Head of School, School of Electrical and Electronic Engineering (EEE)

Professor Kenneth Stanton
Head of School, UCD School of Mechanical and Materials Engineering (MME)

As at 1 September 2021

- ProvEye, co-founded by Professor Nick Holden (BFE) and Dr Jerome O’Connell won the Ornuia Most Innovative AgTech Start-up 2022 and received top prize on the Inaugural AgriTechUCD Accelerator programme.
- BioSimulytics, a spin-out founded by Professor Niall English, Dr Christian Burnham, and Mr Peter Doyle (CBE) received multiple awards: 2022 Amazon AWS Software Start-Ups – Sustainability Champion – Silver Award; 2022 Global Health and Pharma Biotechnology Pioneer Award; NovaUCD Spin-out of the Year 2022; and shortlisted finalist in Ireland

for the 2022 KPMG Global Tech Innovator competition.

- Dr Sarah Cotterill (CE) awarded NovaUCD Consultancy of the Year 2022.
- Professor Andrew Keane (EEE) awarded NovaUCD Licence of the Year 2022 for the patented Grid Edge intelligence software licensed in 2015.

We also congratulate:

- Dr Chiara Cocco (APEP) runner-up in UCD Impact Case Study competition for the Coastal Communities Adapting Together case study.
- Professor Da-Wen Sun (BFE) named by Clarivate Analytics among the worlds’ top 1% of the most cited academics for the seventh consecutive year.
- Professor Anding Zhu (EEE) elevated to Fellow of the Institute of Electrical and Electronics Engineers (IEEE).

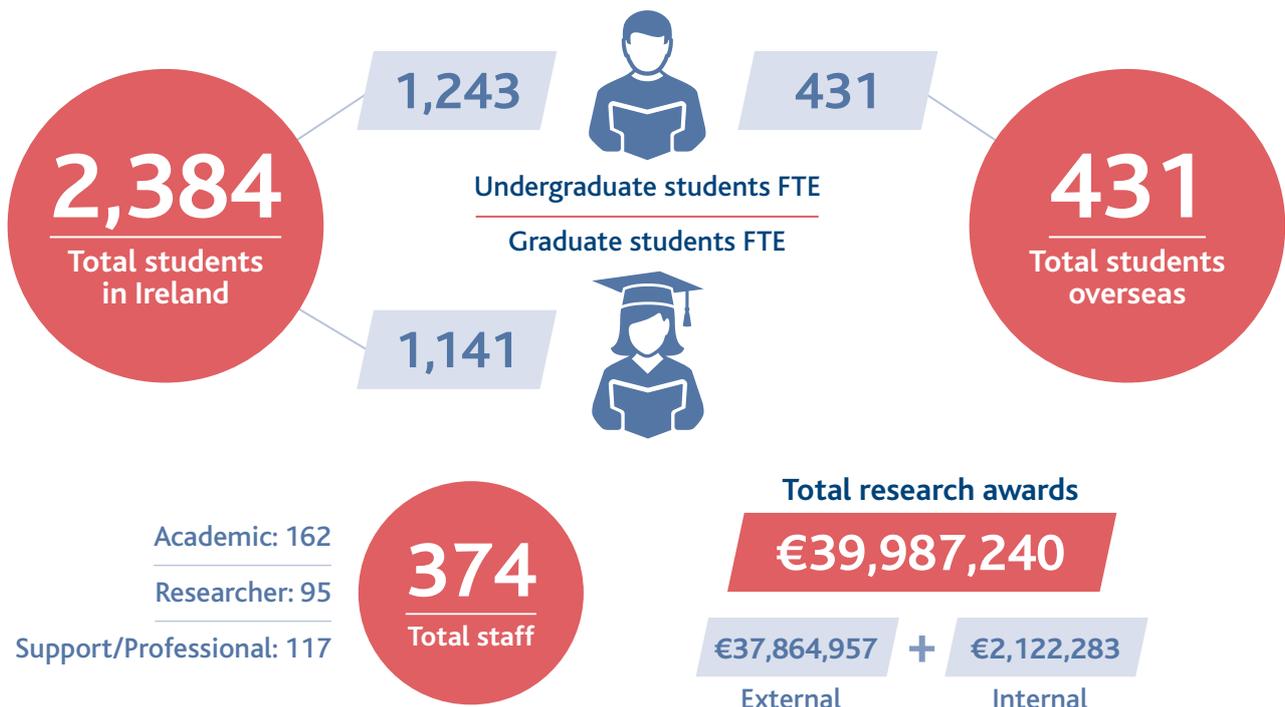
I commend all College members on their achievements.



Professor Aoife Ahern
College Principal and Dean of Engineering



UCD Engineering and Architecture Conferring 2022.



UCD Acting President Prof Mark Rogers and Dean and Head of School Prof Michael Doherty with UCD School of Veterinary Medicine Alumni.



COLLEGE OF HEALTH AND AGRICULTURAL SCIENCES



Professor Cecily Kelleher
College Principal

This year the College of Health and Agricultural Sciences (CHAS) updated its Vision, Mission and Strategic Objectives document which outlines our overarching ambitions and achievements.

THERE ARE OVER 7,000 students registered to our College, and faculty and staff numbering over 1,000. This report reflects that in metrics for both research and teaching, CHAS is delivering on its vision to lead the advancement of human, animal and environmental well-being for the benefit of society, and there were many events and successes in the last academic year to demonstrate this.

Researchers across CHAS enjoyed great success in the 2021 UCD Research Impact Case Study competition. Professor Alistair Nichol leads the Irish Critical Care-Clinical Trials Network which won the competition for the group's work in improving outcomes of critically ill patients with COVID-19. UCD SAFS SmartGrass project, UCD SNMHS Labour Hopscotch Framework, and Professor Eleni Theodoraki of SPHPSS were all runners up in the competition. Other research success came from the Science Foundation Ireland awards where Dr Dara Stanley, Assistant Professor in Applied Entomology at UCD SAFS was announced as SFI Early Career Researcher of the Year 2021. Professor Helen Roche, Full Professor of Nutrigenomics at UCD SPHPSS and Director of UCD Conway Institute, was awarded the prestigious SFI Mentorship Award. In SVM, a new Equine

Researchers across CHAS enjoyed great success in the 2021 UCD Research Impact Case Study competition. Professor Alistair Nichol leads the Irish Critical Care-Clinical Trials Network which won the competition

Assisted Reproduction Laboratory has been established by Assistant Professor Niamh Lewis, with support from John Furlong, Technical Officer, experienced human embryologist, and postgraduate researcher. The lab is offering clinical services to Irish breeders while also addressing important research questions to refine the process of in-vitro embryo production. The College also celebrated student research with a Graduate Research Student Symposium, hosted by the College Research, Innovation and Impact group, which saw posters and presentations from all five constituent schools.

There is much innovation in teaching taking place across the College and in April the CHAS Education and Training Group held a Teaching and Learning Showcase to highlight these initiatives, whilst also introducing the eight University for All Faculty Partners in the College who are working to embed universal design in teaching. Elsewhere in teaching developments, UCD SAFS launched

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Special Needs Assistants successfully completed the first national programme in which UCD SNMHS, in collaboration with UCD School of Education, developed a national online training programme

a new Level 9 Professional Diploma in Researcher Development designed and developed in association with Teagasc specifically for Postdoctoral Fellows employed by Teagasc. The programme is designed to equip them with the advanced knowledge and skills required for their future careers in industry or academia. 460 Special Needs Assistants successfully completed the first national programme in which UCD SNMHS, in collaboration with UCD School of Education, developed a national online training programme. The presentation ceremony took place in O'Reilly Hall in February. Following a successful site visit by the European Association of Establishments for Veterinary Education (EAEVE) in November 2021, UCD SVM was awarded full reaccreditation. The mission of EAEVE is to evaluate, promote and further develop the quality and standard of veterinary medical establishments and their teaching.

The College continues to engage in projects which have external impact and reach. Martin Heydon TD, Minister of State at the Department of Agriculture, Food and the Marine with responsibility for Research & Development and Farm Safety launched the Safe Farm EIP Project which used drama in a new and innovative way to encourage cultural change around farmer health, well-being and farm safety. Acorn Agricultural Research in partnership with UCD SAFS, Dairygold Co-op, Cohort Recruitment and Training and farmer members are carrying out this project which is funded by the Department as part of a European Innovation Partnership. Backtrack is a collaborative project between UCD SPHPSS, UCD Insight Centre and Mbarara University of Science and Technology, Uganda. The project will develop a technology-enabled care pathway that will empower community health workers in Uganda



Faculty from UCD School of Agriculture and Food Science with the Acting President, Prof Mark Rogers and colleagues from Teagasc at the launch of the new Professional Diploma in Researcher Development.

College structure

Professor Torres Sweeney

Vice-Principal Equality,
Diversity and Inclusion

Professor Tim Lynch

Vice-Principal Health Affairs

Associate Professor Pat Felle

Vice-Principal International

Professor Peter Doran

Vice-Principal Research,
Innovation and Impact

Associate Professor Jonathan McNulty

Vice-Principal Teaching
and Learning

Professor Frank Monahan

Head of School and Dean of
Agriculture, UCD School of
Agriculture and Food Science
(SAFS)

Professor Michael Keane

Head of School and Dean,
UCD School of Medicine (SM)

Professor Fiona Timmins

Head of School and Dean of
Nursing, UCD School of Nursing,
Midwifery and Health Systems
(SNMHS)

Professor Catherine Blake

Head of School and Dean,
UCD School of Public Health,
Physiotherapy and Sports
Science (SPHPSS)

Professor Michael Doherty

Head of School and Dean,
UCD School of Veterinary
Medicine (SVM)

As at 1 September 2021



MSc in Sport Management students on Wellbeing Wednesday for Healthy UCD.

In September 2021 UCD SNMHS and UCD SPHPSS were awarded the bronze Athena SWAN award; all five CHAS Schools now hold bronze status, with three now being eligible to apply for the silver award

to deliver first-line primary care for low back pain, and is funded by Science Foundation Ireland and Irish Aid under the SDG Challenge programme.

This year saw the first offering of the Academic Health Science System Grant from UCD Health Affairs to fund research projects linking academia and clinical services. The two successful awardees were, from Dr Suzanne Donnelly, UCD SM for a project in developing educational resources for clinical handover training; and Dr Denise O'Brien, UCD SNMHS for the Labour Hopscotch Framework: Improving outcomes for mother and baby.

A One Health Conference took place in June 2022. Spearheaded by Dr Gerald Barry, UCD CHAS One Health Champion, the event showcased One Health research taking place in Ireland, as well as welcoming colleagues and collaborators from UC Davis California.

UCD SM International team, together with faculty from across the College, organised the Universitas21 Health Science Group Summer School in July 2022 with the theme 'How can a One Health approach improve our pandemic preparedness?' The two-week Summer School was attended by students from universities across the globe; speakers included Professor Philip Nolan, Director General, SFI and Professor Cillian De Gascun, UCD National Virus Reference Laboratory, who played a key role during the COVID-19 pandemic, as well as a number of other CHAS faculty who reflected on their experience of the pandemic response.

In September 2021 UCD SNMHS and UCD SPHPSS were awarded the bronze Athena SWAN award; all five CHAS Schools now hold bronze status, with three now being eligible to apply for the silver award.

Ciara Mageean, double Olympian and Physiotherapy graduate won a silver medal in the 1,500m at the European Championships, taking Sonia O’Sullivan’s record. Mark English, double Olympian and Medicine graduate won a bronze medal in the 800m at the European Championships, his second European medal. In rowing, Paul O’Donovan, another Physiotherapy graduate won European and World Championships

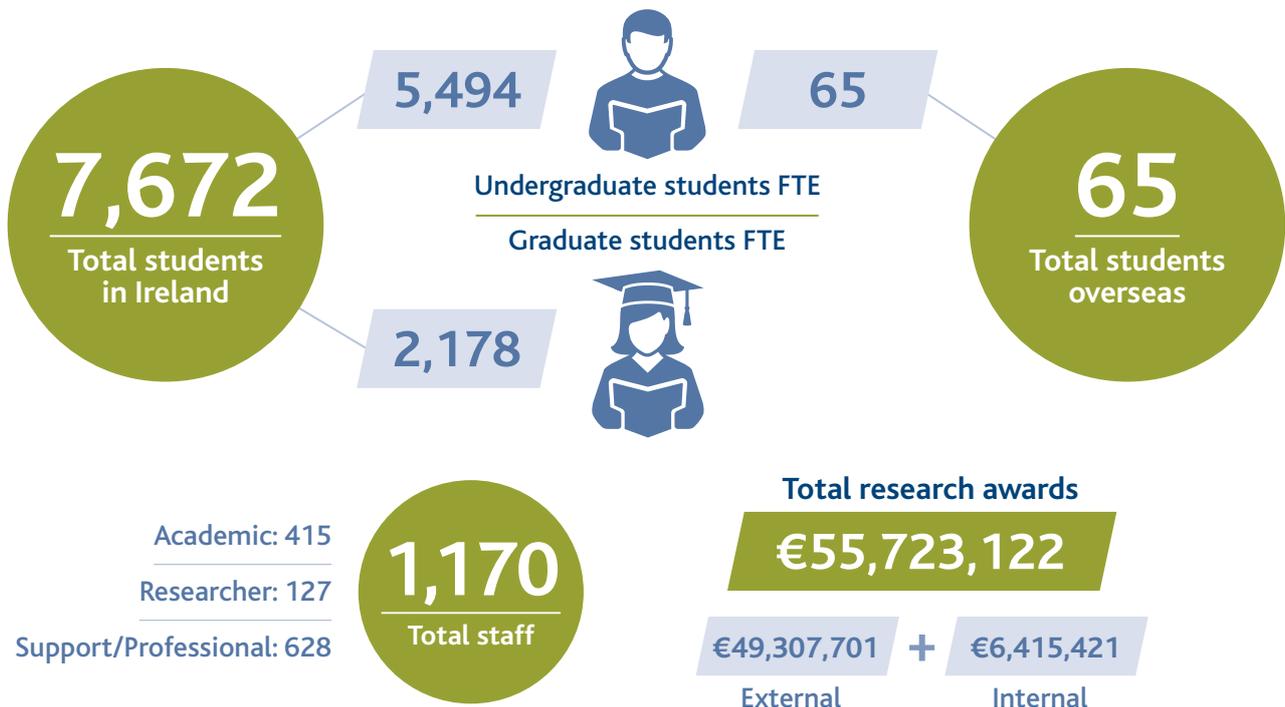
In June this year, UCD SVM marked 20 years since its move from Ballsbridge, where it had been based since 1990, to UCD’s Belfield campus. To mark this important milestone, the School launched its ‘Alumni Wall’ celebrating twenty of the most exceptional alumni from across the UCD Veterinary Community. Alumni from the College and the Ad Astra Elite Athlete Academy achieved at the highest levels in their respective sports this year. Ciara Mageean, double Olympian and Physiotherapy graduate won a silver medal in the 1,500m at the European Championships, taking Sonia O’Sullivan’s record. Mark English, double Olympian and Medicine graduate won a bronze medal in the 800m at the European Championships, his second European medal. In rowing, Paul O’Donovan, another Physiotherapy graduate won European and World Championships.



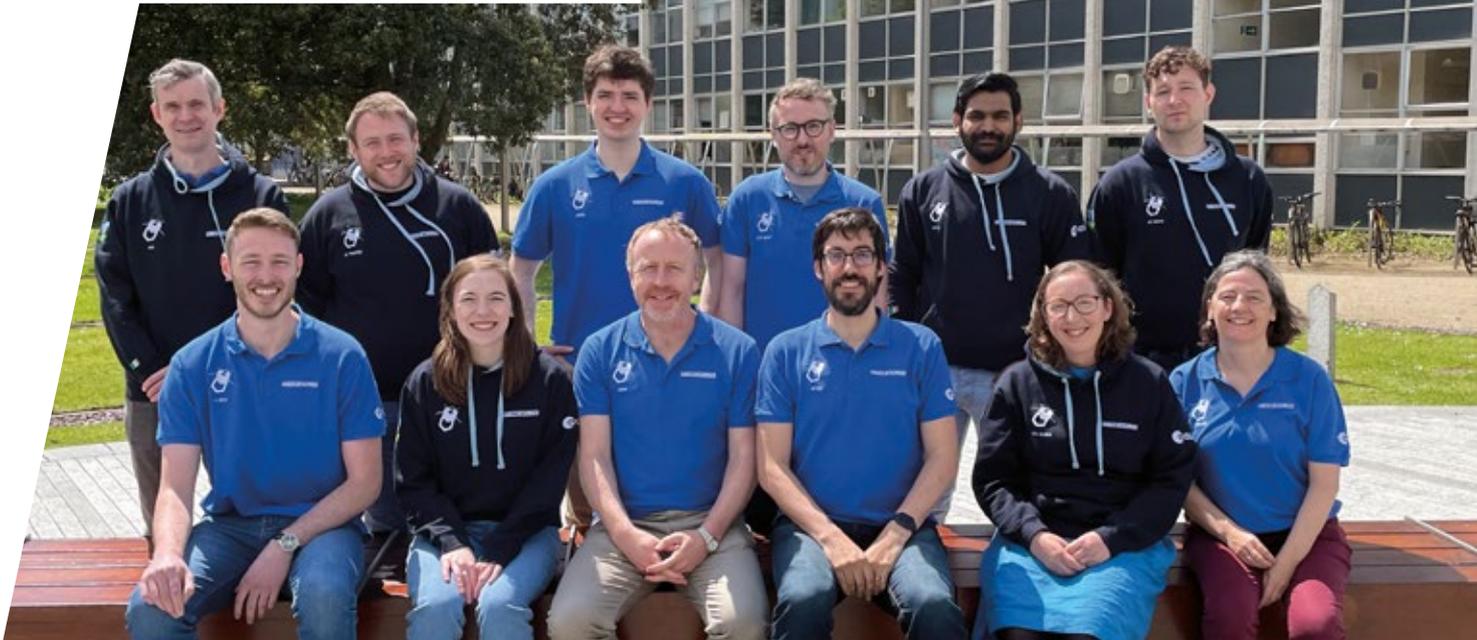
Professor Cecily Kelleher
College Principal



Professor Eoin O’Brien at the unveiling of his portrait by the artist Robert Ballagh in UCD Charles Institute of Dermatology.



COLLEGE OF SCIENCE



EIRSAT-1 team members from UCD School of Physics with staff from the ESA Education Fly Your Satellite! Team. The EIRSAT-1 flight model underwent testing at ESA Education's CubeSat Support Facility in Belgium between July and August 2022.



Professor Jeremy Simpson
College Principal and
Dean of Science

Having completed my first year as College Principal I feel it is appropriate to start by thanking the entire faculty and staff community in the College for their support and incredible dedication over the past year.

DESPITE THE CONTINUED waves of COVID-19, the College continued with its important research. Teaching programmes were also delivered, including all the laboratory activities that are such an essential component of our Science degrees.

Student Recruitment

The undergraduate courses for Science, Computer Science, Actuarial & Financial Studies and Sustainability continued to attract an excellent and diverse cohort of students, reflecting the interest of students in studying STEM degrees. By July 2022, the Science (DN200) common entry course, once again, attracted the largest number of CAO first preferences at UCD and the unique

interdisciplinary Sustainability (DN240) course showed a 49.5% increase in first preferences compared to 2021.

The suite of graduate taught courses offered by the College continued to attract strong interest from EU and non-EU applicants and during 2022 a new MSc Cybersecurity programme from UCD School of Computer Science was developed.

Teaching and Learning

While the return to face-to-face teaching and laboratories was welcomed, many of the beneficial lessons and processes learned during the pandemic have been maintained, in particular the improved use of the

VLE and other IT resources. As part of the 'Supporting Student Success' strategy, and in collaboration with the Student Advisers and colleagues in UCD School of Veterinary Medicine, the College successfully rolled out a project which acted as an early warning system for detection of student disengagement. Initial feedback on this project has been very positive.

We developed an online app to help our non-denominated BSc students to keep their BSc major options open for as long as possible. We will study how often this is used to determine whether it is an effective tool. The year also saw reinvigoration of the University Teaching and Learning Awards, and gratifyingly a significant proportion of our faculty received a large number of student nominations, 211 in total.

Widening Participation

All cohorts of widening participation students continue to be well represented in the College, with an intake of 150 Access students across first-year Science, Computer Science and Actuarial & Financial Studies (BAFS). First-year students from the widening participation cohort registered to Science and BAFS were invited to join the UCD Science mentoring programme again this year. A total of 44 faculty members across the College of Science agreed to act as mentors on this scheme, which aims to support students as they navigate their first year in UCD.

Global Engagement

Global engagement in the College is led by Professor Eleni Mangina. Within the first quarter of 2021/22 the College of Science Global Engagement Group finalised its ambitious and exciting Global Engagement Strategy for the next four years. Recovery from the pandemic and elimination of associated travel restrictions in specific regions resulted in a mix of the usual in-country activities with participation in several virtual recruitment fairs. Activities were focused on India, China, North America and South Africa, as well as the delivery of online lectures to high schools in a number of countries, and a computer science hackathon engaging Irish and Indian students. 2021/22 also saw enhanced engagement with several universities in India, establishing a number of exciting collaborations through the different EU funding schemes.

Research and Impact

The College has had great success in securing major research funding, notably in several consortium applications. Highlights include €1.4 million from Enterprise Ireland to Professor William

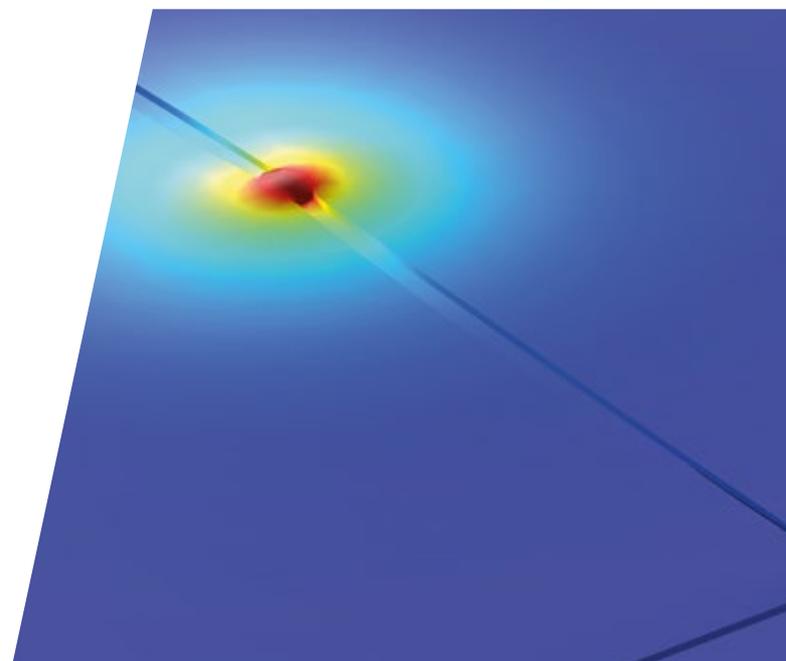
Gallagher, UCD School of Biomolecular and Biomedical Science and Associate Professor Catherine Mooney, UCD School of Computer Science, for a project entitled 'AI-Based Digital Pathology & Molecular Profiling to Improve Treatment Decisions for Cancer Patients'. Associate Professor Siobhán McClean, UCD School of Biomolecular and Biomedical Science, was awarded €3.5 million from the HEA for a project entitled 'Avacta: All-Island Vaccine Training Alliance'. UCD School of Mathematics and Statistics was awarded €1.9 million from Horizon Europe for the ENCODE consortium as part of the MSCA Doctoral Networks 2021 programme, led by Associate Professor Eimear Byrne.

The College also celebrated a number of individual funding successes. Selected examples include: UCD School of Chemistry: Dr Marcus Baumann, 'Continuous Flow Biocatalysis for High Value Products Exploiting Enzyme Cascade Processes' and Dr Robert Johnson, 'DNA Amplification and Detection within a Confined Nanospace'; UCD School of Mathematics and Statistics: Dr Christiana Pantelidou, 'Gravitational turbulence in the era of gravitational waves'; UCD School of Biology and Environmental Science: Professor Fiona Doohan with Associate Professor Tancredi Caruso, 'E-Crop: exploiting environmental microbiomes for sustainable crop production', and Dr Grace Cott 'Investigating Ireland's Blue Carbon Potential Through a Scientific Socio-economic and Legislative Approach (BlueC)'.

Awards and Recognition

An impressive number of colleagues have received awards and recognition for outstanding contributions in their fields. Of particular note is Associate Professor Henry McLoughlin, UCD School of Computer Science, who received one of China's most prestigious awards, the Beijing Great Wall Friendship Award, given to foreign experts who have made outstanding contributions

All cohorts of widening participation students continue to be well represented in the College, with an intake of 150 Access students across first-year Science, Computer Science and Actuarial & Financial Studies



From the PEAR imaging platform, developed by Professor Dominic Zerulla, this image demonstrates the sub-diffraction limited nature of a single PEAR emitter, which is a core element of the imaging method at the nanoscale.

College structure

Associate Professor

Tara McMorrow

Associate Dean of Science

Professor James Sullivan

Vice-Principal for Teaching and Learning

Associate Professor

Antoinette Perry

Vice-Principal for Equality, Diversity and Inclusion

Professor Eleni Mangina

Vice-Principal International

Professor Gareth Redmond

Vice-Principal for Research and Innovation

Associate Professor Carl Ng

Associate Dean for Study Abroad

Associate Professor

Siobhán McClean

Associate Dean for Widening Participation

Professor Paul McCabe

Vice-Principal for Graduate Studies

The College of Science consists of seven schools:

Professor Evelyn Doyle

Head of School, School of Biology and Environmental Science

Professor Wim Meijer

Head of School, School of Biomolecular and Biomedical Science

Associate Professor

Michael Casey

Head of School, School of Chemistry

Associate Professor

Chris Bleakley

Head of School, School of Computer Science

to the economic and social progress of Beijing. Professor William Gallagher, UCD School of Biomolecular and Biomedical Science, was named SFI Researcher of the Year, and Dr Aileen Doran, UCD School of Earth Sciences, was awarded SFI Science Image of the Year. Professor Dominic Zerulla, UCD School of Physics, received an Enterprise Ireland Big Ideas Public Choice Award 2021 and was named UCD Innovator of the Year for his disruptive new imaging platform PEAR. Professor Patrick Guiry, UCD School of Chemistry, was elected as President of the Division of Organic Chemistry of the European Chemical Society, becoming the first Irish chemist to hold the position and was also elected President of the Institute of Chemistry of Ireland.

Innovation

2021/22 also saw the College further lead on a number of innovations. CropBiome Ltd, is a new joint UCD-TCU spin-out company, founded by Professor Fiona Doohan, UCD School of Biology and Environmental Science, with Professor Trevor Hodkinson and Dr Brian Murphy, TCD, which is developing endophytes to increase crop yields from seeds. Another UCD spin-out is Attenuate Therapeutics Ltd, founded by UCD Conway Institute investigators Professor Catherine Godson and Dr Eoin Brennan, UCD School of Medicine, and Professor Pat Guiry, UCD School of Chemistry, which will develop novel best-in-class lipoxin mimetics for the modulation of aberrant inflammatory responses. Probably the most high-profile innovation is EIRSAT-1 (Educational Irish Research Satellite-1), which is being designed and built by a collaborative team at UCD, involving C-Space, the UCD School of Physics and UCD School of Mechanical and Materials Engineering.

UCD Explore

UCD Explore again reported a very successful year in terms of grants awarded and programmes delivered. The flagship programme 'Little Big Questions' was funded by SFI to the tune of €50,000 and the entire programme was again funded by Intel to support DEIS-designated schools to visit UCD and partake in science workshops. While significant, attendance was impacted by COVID-19 enforced teacher absences, school restrictions, and truncated timetables; nevertheless we were delighted to give the 450 children who were able to visit a thorough and fulfilling experience.

A massive success this year for the UCD Explore / Intel and Simply Science partnership was the return of the UCD Festival. At the event 30 Intel volunteers joined Bernie Capraro and Tracey Nolan in hosting a continuous series of live experiments that happened over the course of the entire day. Alongside these thousands of experiments, Intel and UCD Explore hosted a live question and answer session with Commander Chris Hadfield and Phil Smyth, followed by exciting live science shows in the Moore Auditorium. The entire day acted as a celebration of the work that both Intel and UCD Explore were still able to complete, despite the restrictions over the past two years. The day featured UCD Explore DEIS workshops, the Intel Laser Harp project, live experiments and shows, and Intel Mini Scientist winners. This partnership continues to grow in terms of its impact and scope and we look forward to seeing what 2023 has to offer.



Professor Jeremy C Simpson
College Principal / Dean of Science

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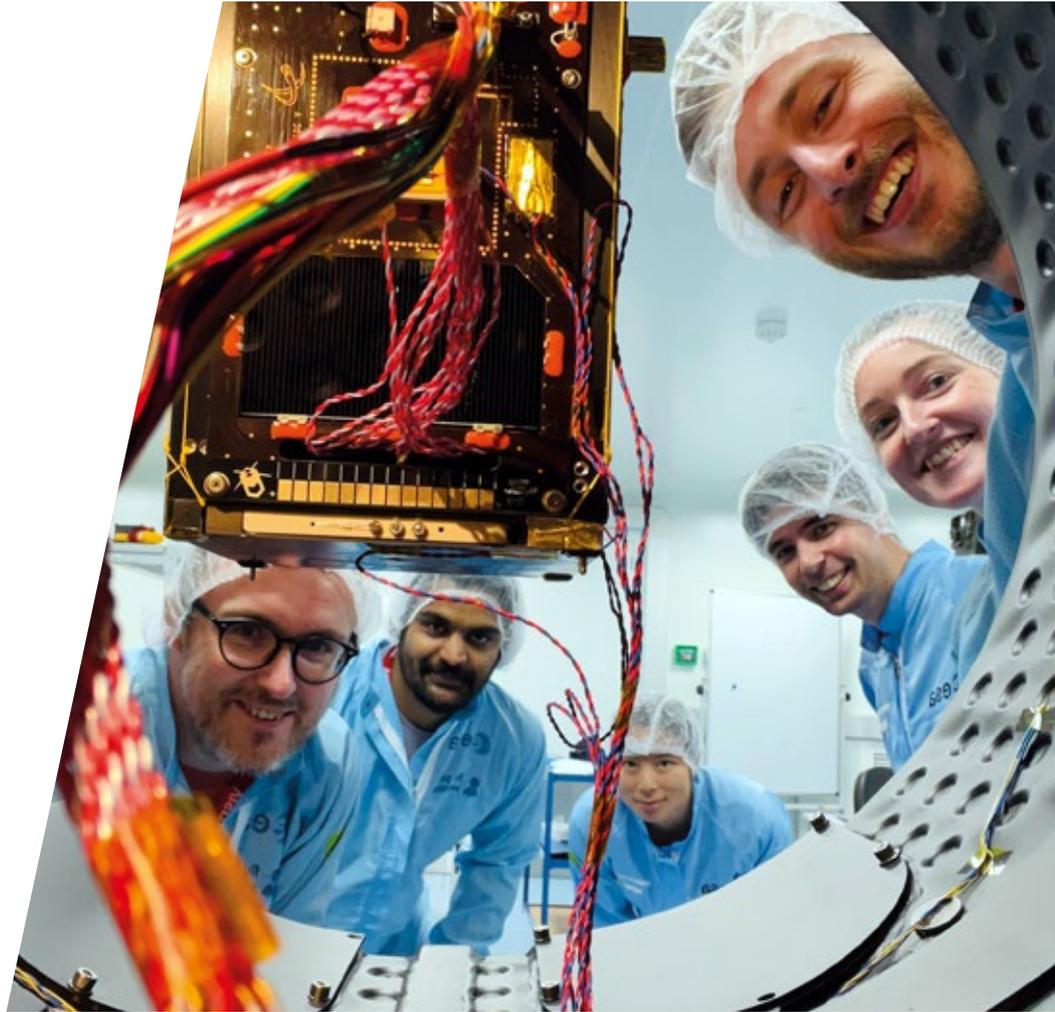
College structure

Professor Peter Haughton
Head of School, School of Earth Sciences

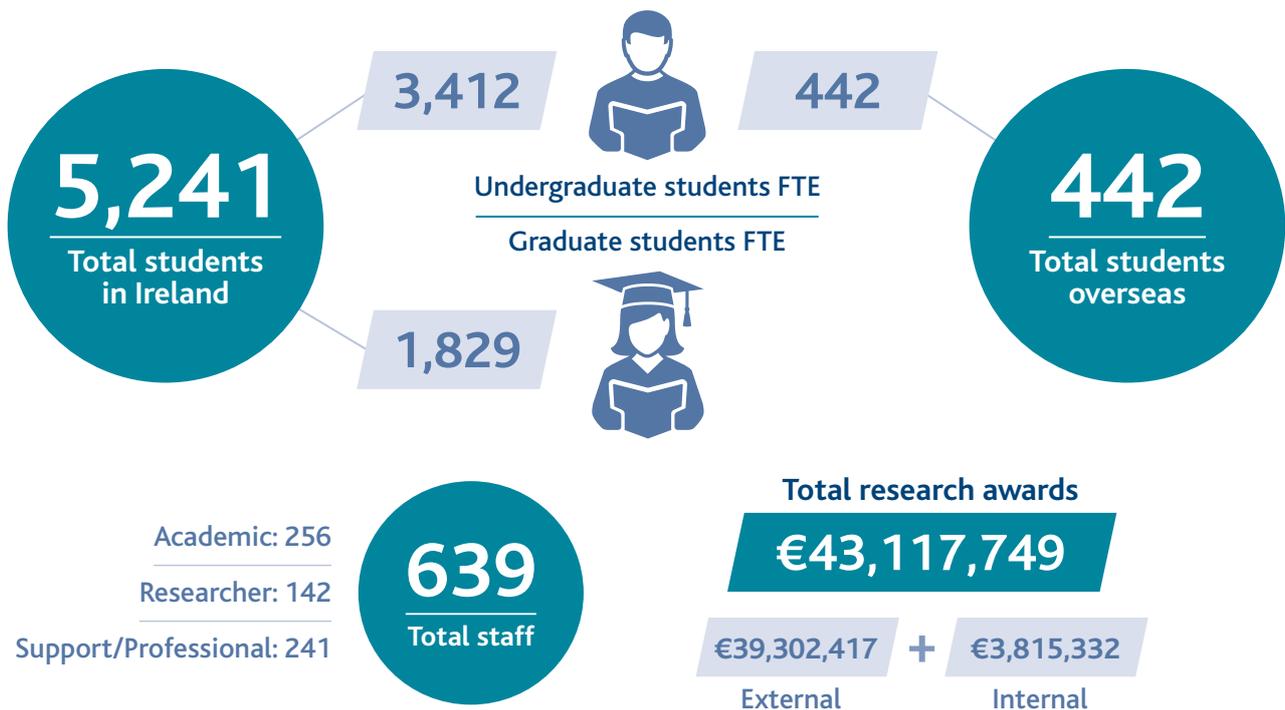
Associate Professor Edward Cox
Head of School, School of Mathematics and Statistics

Professor Emma Sokell
Head of School, School of Physics

As at 1 September 2021



The EIRSAT-1 flight model underwent a rigorous test campaign at the European Space Agency's test facilities in Belgium in the summer of 2022. From left to right, Dr David Murphy (UCD), Krishna Akarapu (UCD), Lily Ha (ESA), David Palma (ESA), Maeve Doyle (UCD) and Jack Reilly (UCD).



Visiting his alma mater UCD Sutherland School of Law, The Rt Hon the Lord Mayor of the City of London Alderman Vincent Keaveny (BCL1986), RTÉ broadcast journalist Miriam O'Callaghan (BCL 1979) and Dean of Law Dr Niamh Howlin.



COLLEGE OF SOCIAL SCIENCES AND LAW



Professor Colin Scott
College Principal and
Dean of Social Sciences

Despite the continued challenges of operating under COVID-19 at the beginning of the 2021/22 academic year, the College continued to attract and develop an excellent and diverse cohort of students and staff.

THE COLLEGE HAS implemented ambitious plans to enhance student learning and experience and to undertake impactful and engaged research addressing major societal challenges. Colleagues in the College have played their roles in sustaining and developing the support of students, the design and delivery of education and the many additional activities which support student experience, learning and outcomes.

Education, Learning and Student Experience

A significant milestone this year was the graduation of the first cohort of the four-year Social Sciences degree students. Thanks to the new design and ambitious delivery, students benefitted from partnership approaches to learning, wider opportunities for experiential learning, internships and study exchanges, and the development of wide-ranging skills to complement subject knowledge. Despite reduced opportunities during the year, over 100 BSc Social Sciences students undertook an internship placement and over 200

undergraduate Social Sciences students and over 100 students from UCD Sutherland School of Law participated in Study Abroad and Erasmus programmes.

UCD Sutherland School of Law launched a new interdisciplinary MSc in Environmental and Climate Law, designed to enable law and non-law graduates develop expertise in law and in a range of other vital environmental disciplines.

The public health context continued to place demands on our Schools, who further embraced technology enhanced learning to ensure students could continue their educational journeys, both in-person and online, if necessary, guided by the updated College Teaching, Learning and Assessment Protocol. An important aspect of engagement for students are seminars and tutorials, and the College delivered the pilot of the Teaching Support Training Programme, a professional CPD award for tutors and demonstrators. 39 participants completed the programme, which provides professional development for our teaching support staff and assists

Significant award highlights include an Horizon Europe Research Infrastructures Award of €855,780 to support the development of Europe's first cross national birth cohort study of children: 'GUIDE' – Growing Up in Digital Europe

in ensuring our students are experiencing the best educational experience possible.

Widening Participation

The College has been very active in recruiting and supporting students through routes designed to widen participation. In terms of access routes, the College performed strongly in individual programmes, with 38% of BSc Social Sciences, 57.8% of BSocSc Social Policy and Sociology and 46.3% of Law students accessing these degrees through widening participation routes. Almost all of our programmes are close to or exceed the university's goal of having 35% of students be from one of these groups.

In addition, the College was delighted to continue to participate in the UCD Cothrom na Feinne postgraduate fee waiver scheme this year and awarded 4 fee waivers to Masters students in disciplines such as the Professional Master of Social Work, Professional Masters Education, MSc Equality Studies the MSc in Geospatial Data Analysis.

Research Innovation and Impact

Research in the College takes many different forms with a wide variety in scale associated with ambitious programmes of work to advance knowledge.

Significant award highlights include an Horizon Europe Research Infrastructures Award of €855,780 to support the development of Europe's first cross-national birth cohort study of children: 'GUIDE' – Growing Up in Digital Europe led by Associate Professor Jennifer Symonds, UCD School of Education with Assistant Professor Laura Taylor, UCD School of Psychology and Assistant Professor Seaneen Sloan, UCD School of Education.

Two major Horizon Europe Culture, Creativity and Inclusive Societies awards were made: Fostering Queer Feminist Intersectional Resistances against Transnational Anti-Gender Politics, Professor Kath Browne, UCD School of Geography (€939,771); and Re-thinking Global Supply Chains – Professor Ron Davies, UCD School of Economics (€428,643).

The College also enjoyed success in the IRC Laureate Scheme (€1.7 million) with three awardees: Assistant Professor Laura Taylor, UCD School of Psychology for her multidisciplinary research into the predictors and impact of youth peacebuilding across the globe; Assistant Professor Stephanie Dornschneider-Elkink, UCD School of Politics and International Relations for her research into Women And Radical Religion In Organized Resistance – The Case of Hezbollah; and Associate Professor Taha Yasserli, UCD School of Sociology for his research into enhancing collective intelligence through the deployment of artificial intelligence.

A total of €1.2 million in funding was awarded to colleagues through the IRC Coalesce programme, with three awards secured by the UCD School of Archaeology: Associate Professor Meriel McClatchie for her research on Food security in Bronze Age Ireland; Professor Joanna Bruck for research related to the archaeology of the Irish revolution; and Associate Professor Helen Lewis for her research into Ireland's ancient animal bones, climate and environmental change. In the UCD School of Geography, Dr Christine Bonnin was awarded funding for her research on food security and climate resilience in Mozambique, while Associate Professor Benjamin Cowan, UCD School of Information and Communication Studies secured funding for his project in relation to gendered artificial intelligence and occupational gender biases.



Students celebrating their Social Sciences Conferring.

College structure

Professor Colin Scott

College Principal / Dean of Social Sciences

Professor Niamh Moore Cherry

Deputy College Principal

Dr Aileen Quilty

Associate Dean, Undergraduate Social Sciences

Dr Elaine Wilson

Associate Dean, Graduate Studies

Dr Graham Finlay

Vice-Principal for Widening Participation

Professor Dympna Devine

Vice-Principal for Research, Innovation and Impact

Dr Sarah Morton

Vice-Principal for Teaching and Learning

Professor Ben Tonra

Vice-Principal for Global Engagement

Dr Joe McGrath

Vice-Principal for Equality Diversity and Inclusion

UCD College of Social Sciences and Law consists of 11 Schools:

Professor Joanna Bruck

Head of School, UCD School of Archaeology

Associate Professor Kevin Denny

Head of School, UCD School of Economics

Associate Professor William Kinsella

Head of School, UCD School of Education

Associate Professor Julien Mercille

Head of School, UCD School of Geography



Attending a COVID-19 Showcase event organised by UCD College of Social Sciences and Law in association with the Geary Institute, (l-r) Dr Anna Visser, Head of Research and Evaluation, Department of Children, Equality, Disability, Integration and Youth; Prof Michelle Norris, Director Geary Institute; Prof Dympna Devine, VP for Research, Impact and Innovation; Prof Oonagh Breen UCD Sutherland School of Law; and Prof Colin Scott, College Principal, College of Social Sciences and Law.

Colleagues in the College were also awarded €866,038 funding through the SFI strategic funding programme NexSys reflecting the important contribution of interdisciplinarity and social sciences research to building evidence-based research in green energy systems. This includes Professors Lisa Ryan, Aisling Reynolds Feighan and Assistant Professor Margarita Samahita, UCD School of Economics; Associate Professor Nessa Winston, UCD School of Social Policy, Social Work and Social Justice; Associate Professor Gerald Mills, UCD School of Geography; and Assistant Professor Stefan Müller, UCD School of Politics and International Relations.

Other successes through European funding programmes included: the Marie Curie Fellowship Scheme – Professor Imelda Maher, UCD Sutherland School of Law and Associate Professor Katherine O'Donnell, UCD School of Philosophy; the European Research Development Fund – Assistant Professors Christine Bonnin, Arlene Cramsie, UCD School of Geography and Professor Graeme Warren and Assistant Professor Claire Marie Cave, UCD School of Archaeology. Two Erasmus Mundus awards were secured by Assistant Professor Marguerite Barry, UCD School of Information and Communication Studies and Assistant Professor Conor Galvin, UCD School of Education. Funding successes were also secured through the HEA North/South funding scheme by Associate Professor Marie Keenan, UCD School of Social Policy, Social Work and Social Justice; and by Associate

Professor Jos Dornscheider-Elkink in the UCD School of Politics and International Relations.

Professor Joanna Bruck, UCD School of Archaeology secured an Advanced ERC Grant Award of €2.5 million for her work on Animals and Society in Bronze Age Europe, creating a new vision of Bronze Age ontologies by exploring the role of animals as active participants in Bronze Age social worlds.

Faculty from across the College received external recognition, demonstrating high esteem and achievement, in addition to research impact.

- Professor Maria Baghramian, UCD School of Philosophy is one of just four Irish academics elected to the prestigious Academia Europaea this year. This is a pan-European Academy with more than 4,700 members including 80 Nobel Laureates.
- Faculty elected to the Royal Irish Academy include Professor Katherine Browne, UCD School of Geography and Professor Andreas Hess, UCD School of Sociology.
- Professor Michelle Norris, UCD Geary Institute was awarded the IRC Impact award (2021) for her national and international advisory work in relation to Housing Policy.

Ministerial appointments include Professor Oonagh Breen, UCD Sutherland School of Law appointed to the National Advisory Group on Developing a Philanthropy Policy

College structure

Professor Eugenia Siapera
Head of School, UCD School of Information and Communication Studies

Associate Professor Niamh Howlin
Head of School and Dean of Law, UCD Sutherland School of Law

Professor Maeve Cooke
Head of School, UCD School of Philosophy

Associate Professor Jos Dornschnieder-Elkink
Head of School, UCD School of Politics and International Relations

Professor Suzanne Guerin
Head of School, UCD School of Psychology

Professor Karen Anderson
Head of School, UCD School of Social Policy, Social Work and Social Justice

Associate Professor Iarfhlaith Watson
Head of School, UCD School of Sociology

As at 1 September 2021

for Ireland, to the approved Housing Bodies Regulatory Authority and appointed Chair of the Independent Review of Charity Regulation in Northern Ireland by the NI Dept for Communities; Associate Professor Niamh Howlin, UCD Sutherland School of Law to the Irish Manuscripts Commission; and Assistant Professor Mark Coen, UCD Sutherland School of Law to the Non-Jury Trials Working Group established by the Northern Ireland Office; Mary Catherine Lucey, UCD Sutherland School of Law re-appointed as Non-Governmental Advisor to Competition and Consumer Protection Commission; Professor Niamh Moore-Cherry, UCD School of Geography appointed as a Taoiseach’s Independent Expert Nominee to the National Economic and Social Council; Professor Colin Scott, College Principal appointed to the Irish Research Council and as the Taoiseach’s Independent Expert Nominee to the National Economic and Social Council.

Engagement

To celebrate International Women’s Day, Dr Joe McGrath, College Vice-Principal for EDI hosted a public online seminar. Panellists Ivana Bacik TD, Caitriona Palmer, UCD Social Sciences Alumni Awardee and Fiona McEntee, UCD Law Alumni Awardee discussed the theme: Harnessing Narratives to Foster Inclusion.

A COVID-19 Research Showcase organised in association with UCD Geary Institute took place in April. The showcase event explored

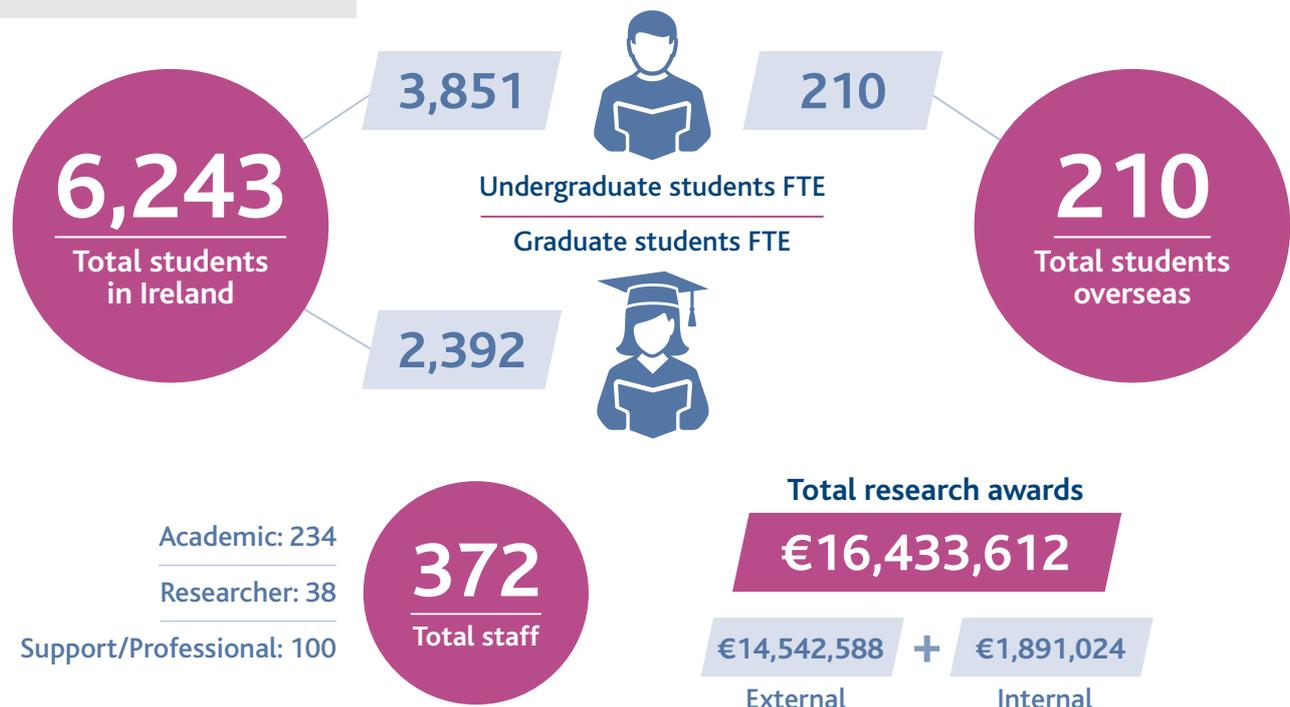
key questions about the wider societal impact of the pandemic as researched and examined by researchers from a variety of disciplines across the College. 18 projects representing research from most of the Schools within the College were presented covering three inter-disciplinary themes related to: Public Trust, Misinformation and Ethics; Equalities and Social Justice; and Health and Well-being.



Professor Colin Scott
College Principal and Dean of Social Sciences



Keynote speakers the Rt Hon Dame Helen Winkelmann, Chief Justice of New Zealand and the Rt Hon Dame Siobhan Keegan, Lady Chief Justice of Northern Ireland attending the UCD Centre for Constitutional Studies biennial international Public Law Conference 2022 which hosted over 70 speakers from nine different common law jurisdictions.





UNIVERSITY AWARDS

UCD Alumni Awards 2021

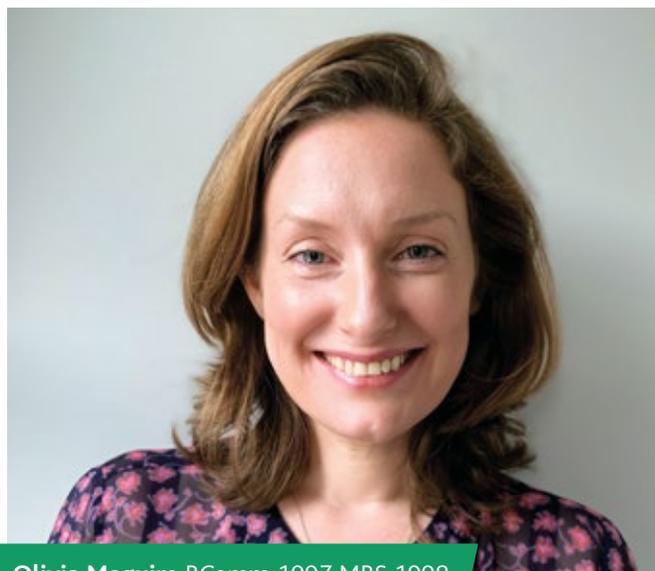
The annual UCD Alumni Awards proudly celebrate the success and exceptional achievements of UCD's alumni and recognise their outstanding accomplishments and contribution to society.



Neil Jordan BA 1972

UCD Alumni Award in Arts and Humanities 2022

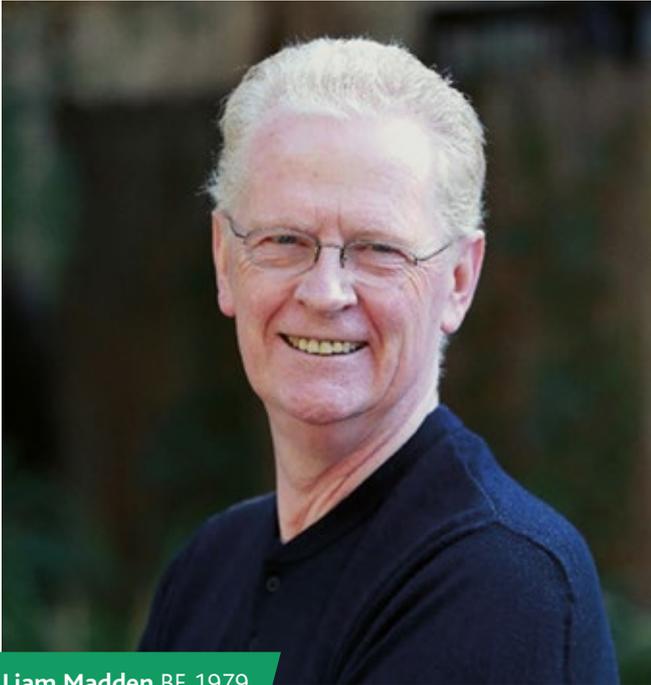
Neil Jordan is one of Ireland's most revered film-makers. He wrote and directed the Oscar-winning film, *The Crying Game*, and his award-winning movies include *Michael Collins* and *Interview with the Vampire*. His fiction has been equally admired and he won early acclaim for his debut story collection, *Night in Tunisia*.



Olivia Maguire BComm 1997 MBS 1998

UCD Alumni Award in Business 2022

Olivia Maguire, executive director at JP Morgan, is a Portfolio Manager in the Global Liquidity team in London. She has chaired the Institutional Money Market Funds Association Investment Committee since 2018 and is a current member of the Bank of England Money Market Committee.



Liam Madden BE 1979

UCD Alumni Award in Engineering and Architecture 2022

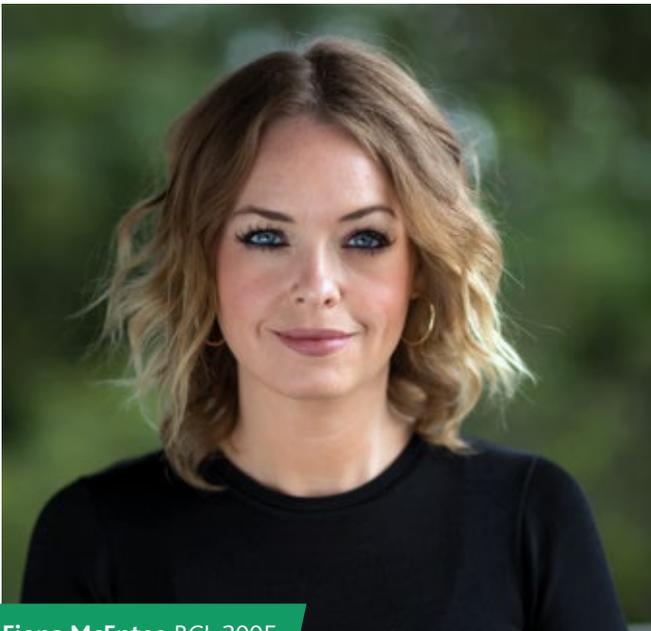
Liam Madden is former Executive Vice-President and General Manager of the Wired and Wireless Group at Xilinx, specialists in 5G. Based in Silicon Valley, he has spent 35 years in the US semiconductor industry. Liam has extensive experience in incubating novel technologies and is currently Adjunct Professor and Technical Director, SystemX at Stanford University.



Dr Michael Ryan MPH 1992

UCD Alumni Award in Health and Agricultural Sciences 2022

Dr Mike Ryan is the Executive Director of the World Health Organisation's Health Emergencies programme. For 25 years, he has worked in conflict-affected countries and led responses to high impact epidemics. Dr Ryan is a founding member of the Global Outbreak Alert and Response Network (GOARN), which has aided the response to hundreds of disease outbreaks around the world.



Fiona McEntee BCL 2005

UCD Alumni Award in Law 2022

Fiona McEntee is the Founder and Managing Attorney of the Chicago-based McEntee Law Group. She counsels her clients - who include individuals and families as well as world-leading musicians and athletes - on the ever-changing immigration policies. Her debut children's book, *Our American Dream*, was published in 2020.



Ann O'Dea BA 1990 MA 1992

UCD Alumni Award in Research, Innovation and Impact 2022

Ann O'Dea is CEO and co-founder of Silicon Republic, the science and technology news website. She is founder of Inspirefest (now Future Human) and was the first woman inducted into the Irish Internet Association's Hall of Fame. Ann is on the advisory board of TeenTurn, which provides teenage girls with experience in STEM.



Professor Teresa Lambe BSc 1997 PhD 2002

UCD Alumni Award in Science 2022

Teresa Lambe is Associate Professor at the Jenner Institute at the University of Oxford. She co-designed the Oxford-AstraZeneca vaccine, which has been one of the key tools in helping to bring the global Covid-19 pandemic under control. Teresa was awarded an OBE for services to science and public health in 2021.



Caitríona Palmer BA 1993

UCD Alumni Award in Social Sciences 2022

Caitríona Palmer is a journalist, author and advocate who has worked in human rights, specialising in war-related missing persons cases. Her memoir, *An Affair With My Mother*, was widely acclaimed. She was the co-author, with former President Mary Robinson, of *Climate Justice*.



Leo Cullen BA 1999

UCD Alumni Award in Sport 2022

Leo Cullen is head coach of Leinster Rugby. He has managed the province to great success, including a European Champions Cup title in 2018, becoming the first man to win the Champions Cup as player and coach. As a player, he made 32 appearances for Ireland, and won the Champions Cup three times with Leinster.

Honorary Degrees 2021



Mary O'Hara

Honorary Degree of Doctor of Literature Citation by Professor Therese Smith

Arguably the most influential singer-harpist of the twentieth century, Mary O'Hara brought the harp to worldwide audiences, playing concerts to full capacity audiences at the Royal Festival Hall, in New York City at Carnegie Hall, and in London at the Royal Albert Hall. As a solo singer with harp, singing songs in Irish, Mary O'Hara was a unique artist showcasing traditional music at a time when Ireland was experiencing a recession akin only to that which we are now facing.



Paddy Glackin

Honorary Degree of Doctor of Literature Citation by Dr Ciarán Crilly

Paddy Glackin is one of Ireland's most eminent fiddle players, a shining light in the popular wave of the Irish folk revival from the 1970s, as well as being an illustrious broadcaster and producer, and a respected authority on the history of traditional music in Ireland. It is entirely fitting that he featured in an iconic album from the 1980s showcasing the cream of Irish performers entitled *The High Kings of Tara* as he is indeed musical royalty, and something of a legend.



Mary Bergin

Honorary Degree of Doctor of Literature Citation by Professor Michael Doherty

An inspirational teacher of the tin whistle, Mary's 'Irish Tin Whistle Tutorial' series was described by the late Paddy Moloney of the Chieftains as 'pure genius'. In her teaching, the many facets that give traditional music its distinctiveness are explored and interpreted. In her teaching, Mary pays attention to what she refers to as the 'internal rhythm' of the music, the essence of the music, the breathing, almost like a meditation. Avoiding over emphasis on the technicality, she searches with her students for the feeling, the heart and soul of the music, *croí agus anam an cheoil* but the fun and the enjoyment of the music, the *comhlúadar* – the joyous company that surrounds a traditional music session is never far away.



Martin Finbar Furey

Honorary Degree of Doctor of Literature Citation by Associate Professor Bairbre Ní Fhloinn

Having attained the highest of accolades from his peers in the world of traditional music, Finbar is somewhat unusual among traditional musicians in having gone on to achieve huge popularity among the broader populace in Ireland and abroad, establishing himself as a major figure in the national consciousness and playing a central part in the revival of Irish traditional and folk music which took place from the late 1960s onwards. Finbar thus performed the almost impossible feat of pleasing purists and proletariat alike, for which he most certainly deserves yet another medal.



Triona Ní Dhomhnaill

Honorary Degree of Doctor of Literature

Citation by Professor Regina Uí Chollatáin

Ó thus a ré mar amhránaí, mar cheoltóir, mar ealaíontóir agus mar chumadóir ceoil den chéad scoth a bhainfeadh cáil idirnáisiúnta amach, léirigh Triona Ní Dhomhnaill féith an dúchais agus tábhacht na hoidhreachta as ar shíolraigh sí ina saothar iomráiteach. Bhí an Ghaeilge lárnach ina lán gnéithe dá saol faoin am sin ach ba thionlacan nádúrtha í an Ghaeilge seachas príomhfócas na cumadóireachta. D'éirigh léi a teanga agus a cultúr dúchais a phósadh i mbealach a lig dá buanna bláthú, agus a ghreamaigh áit tábhachtach di i bpobal na Gaeilge agus na hÉireann mar aon le bheith ina ceanródaí clúiteach ceoil ar stáitse an domhain.



Mary Black

Honorary Degree of Doctor of Literature

Citation by Associate Professor Lucy Collins

A singer of remarkable grace and subtle expression of feeling, Mary Black's achievement extends from the purity of her 1983 debut album to the atmospheric setting of some of her best-known songs by the National Symphony Orchestra, just over two years ago. Despite the scale of this recognition, she remains attentive to the individual composition, with an ear attuned to the exact relationship between the shape of the lyric and its instrumentation. In addition to this instinct for musical form, her unerring sense of how a group of talented musicians will combine to produce a near-perfect performance is, by now, legendary. But it is her voice – a voice of unparalleled clarity and control – that draws these elements together into a singular and lasting art.



Andy Irvine

Honorary Degree of Doctor of Literature

Citation by Dr Kelly Fitzgerald

A wise man once said: nothing gives the illusion of permanence like tradition. When one experiences an aspect of intangible culture, they immediately either accept it as familiar and part of a known repository that is already established, or else it is labelled as other, different or perhaps even exotic. Most noted perhaps of Andy Irvine's many musical talents is his instinctive ability to integrate innovative elements into the world of tradition. This he continues to achieve, in a manner whereby his audience is at once at ease and receptive as if this has always been the practice. He was not dismissive of previous traditions but found an approach to build on what had gone before, while at the same time keeping the integrity to the core and alive.



Michael Feerick

Honorary Degree of Doctor of Laws

Citation by Professor Imelda Maher

Professor Feerick is the former – and celebrated – Dean of Fordham Law School, whose professional life falls into three chapters. Two years after becoming a lawyer, he published an article on Presidential inability in the Fordham Law Review, of which he had been editor in chief. It was 1963 and within a matter of weeks, President John F. Kennedy had been assassinated and the question became one of supreme constitutional importance catapulting Professor Feerick into the centre of debates on what was to become the 25th amendment of the constitution. The late Senator Bayh noted the debt owed to Professor Feerick by the United States as he was very instrumental in securing that amendment, the value of which became apparent a few years later with the emergence of the Watergate scandal. Thus, Professor Feerick is one of the few scholars whose academic writing has been significant in securing constitutional change, and whose books on the process provide a fascinating insight into the interplay of legal change and the politics that effect it.

UCD Values in Action Awards

Now in their fourth year, the Values in Action (VIA) awards celebrate individuals or teams/committees who act as ambassadors for the UCD Values through their daily work, volunteering or establishing initiatives that bring the UCD Values to life. The awards were established by the Employee Engagement Network.

For the 2021 awards, 38 submissions nominating 28 individuals or teams were received. To reflect the huge efforts of colleagues in response to the COVID-19 pandemic and elsewhere across the University, the adjudication committee has awarded ten UCD VIAs, out of a pool of high-quality nominations that captured the diverse achievements of colleagues to bring our shared values of Collegiality, Creativity, Diversity, Engagement, Excellence and Integrity to life.

The Adjudication Committee was chaired by Professor Joe Carthy, Chair, UCD Employee Engagement Network; Dr Deirdre O'Connor, previous VIA recipient, UCD School of Agriculture and Food Science; Elaine Quinn, previous VIA recipient, Conway Institute of Biomolecular and Biomedical Research; Rory Carey, Director Culture and Engagement; and Mark Simpson, Culture and Engagement.



Andrea Forde, UCD Research

Nominator: Triona McCormack, Professor Orla Feely

Andrea was recognised for doing the quiet work of the organisation, every day looking for ways to improve the work environment for her colleagues. When the pandemic hit, Andrea came into her own. As staff across the unit struggled with adapting to home working Andrea was available to them, providing practical support, a listening ear and a virtual coffee. She was the UCD Research nominee on the Covid Committee and in her 'spare' time contributed to the Contact Tracing Team in UCD.

Andrea is being recognised, among other values, for her collegiality through close collaboration with colleagues across UCD and engagement in actively seeking input from the research community.



UCD Library COVID Response Team

Team members: Peter Hickey, Avril Patterson, Angela Fox, Brendan Stafford, Christine Cullen, Debra McCann, Nessa Collinge, Sue Daly, Vanessa Buckley, Aileen Brennan, Alison Jameson, Andrew Moynihan, Catherine Bailey, David Larkin, Elizabeth Garvey, Emily Doherty, Fanchea Rooney, Gerard Walsh, Gosia Pelikan, Jin Liang, Kathryn Milligan, Louise Whelan, Maolsheachlann O'Ceallaigh, Marie Campion, Mark Jenkins, Paul Carson, Brenda Byrne, Cathy Caplan, Pearl Murphy, Lorraine Galvin, Patricia Courtney, Seamus Murphy, Michael O'Brien, Seamus Flynn, Patrick Harford, William Salmon, David Cullen, Cora Foster and Kieran Brennan.

Nominator: Aoife Bracken – UCD Students' Union and Lorna Dodd

The Library COVID Response Team was recognised for their work to keep the Library open and accessible for UCD students and staff throughout the pandemic. This team ensured that all students who needed space to take classes, study, or just needed space away from home had a welcoming and safe place to come to. This helped students feel connected to the University and gave them some sense of campus life.

The team are being recognised for the values of engagement, how the Library, an important community hub on campus, had a major role in helping students remain engaged with the University throughout COVID; excellence, by continuing to provide the excellent service they have always provided on top of the added difficulties of the pandemic; and diversity by providing a key support for students from all types of backgrounds throughout the pandemic.

Professor Judith Harford, UCD School of Education

Nominator: Dr Joe McGrath

Judith was recognised for her efforts to support students in disadvantaged schools to access higher education as well as her work in the University around gender equality. In relation to supporting students she has secured funding in the last 18 months to the value of almost a million euros to support 700 pupils in designated disadvantaged schools nationally at senior cycle level. This programme, Power2Progress, which Judith runs voluntarily, will be a gamechanger in fostering equity and building educational resilience. In addition, it is important for UCD's reputation in the field of EDI, particularly in increasing the number of students from under-represented backgrounds.

Judith is being recognised for the values of collegiality, diversity and integrity.

Associate Professor Pat Gibbons, UCD School of Agriculture and Food Science

Nominator: Dr Sulagna Maitra

Pat was recognised for creating a multi-disciplinary, inclusive space and identity for humanitarian action as a subject area, which in turn has made UCD one of the leading institutions and a university of choice for humanitarian education and research. He is the main catalyst for the phenomenal growth of the subject area by providing thought leadership and strategic direction to curriculum design, student recruitment and progression, collaborative research, and community outreach.

Mairead Skinner, UCD School of Public Health, Physiotherapy and Sports Science

Nominators: Associate Professor James Matthews, Professor Anne Drummond, Associate Professor Clare Corish, Associate Professor Conor Buggy, Associate Professor Catherine Doody, Professor Catherine Blake, Associate Professor Cairiona Cunningham, Dr Cliona O Sullivan, Associate Professor Tara Cusack, Associate Professor Brona Fullen, Associate Professor Deirdre Hurley Osing, Dr Olive Lennon, Dr Cailbhe Doherty, Ulrik Mc Carthy Persson, Dr Sinead Mc Mahon, Denise O'Callaghan, Nessa Waters, Mary O'Mahony, Dr Grainne O Donoghue, Professor Brian Caulfield, Ciaran Purcell, Dr Keith Smart, Anna Scully, Orla Flynn, Aileen Ward and Nina Ngo.

Mairead was recognised for being a truly outstanding colleague, who has exemplified the core values of UCD in her daily work at UCD over a 20-year period.

Mairead's unique ability to combine excellence in academic administration and unparalleled efficiency, with high level interpersonal skills, diplomacy and a personal, warm approach makes her a highly valued colleague and advisor to all our staff and students. She is a consummate professional and a true ambassador for both UCD and the Physiotherapy programmes she represents. The strong national and international reputation of UCD Physiotherapy is realised in no small part due to the excellence of Mairead's support and empowerment of all staff and students to achieve their best.



Dr Cliona Kelly, UCD Sutherland School of Law

Nominator: Associate Professor Niamh Howlin

Cliona is being recognised for her efforts to provide sexual well-being education for students. In recognition of the sexual violence problem in the Irish higher education sector, the Department of Education launched a framework in 2019 aimed at the creation of an institutional campus culture which is safe, respectful and supportive. Among other values, Cliona is being recognised for her engagement, creativity and collegiality.



UCD Safety, Insurance, Operational Risk and Compliance (SIRC) Team

Nominator: Julian Bostridge

The UCD Safety, Insurance, Operational Risk and Compliance (SIRC) Team was recognised for their hard work and commitment to help steer the University through the COVID-19 pandemic. The health, safety and well-being of all our employees, students and visitors is a critical priority for UCD and the work undertaken by the SIRC Team led by Dr Peter Coulahan has delivered this priority and helped sustain both UCD's operations and reputation during the crisis.



UCD Student Health Service Team

Team Members: Sharon Lane, Moira Ryan, Susan Trounce, Oisín O'Connor, Geraldine Mc Dermott, Patricia Brady, Ciara O'Dowd, Joe Conway, Fiona Thompson, Irene McDonnell, Eadaoin Lysaght, Sandra Tighe, Geoffrey O'Donohoe and Donal Kiernan.

Nominator: Dominic O'Keeffe

The UCD Student Health Service Team was recognised for their outstanding response to the unprecedented situation due to the COVID-19 pandemic. At a time of great fear and anxiety every member of the team worked beyond expectations on the front line and unvaccinated (initially) to ensure the best and safest care for the students of UCD. In those first few months of the pandemic the campus was a lonely and worrying place to be and the work this team performed could remain forever invisible if not acknowledged.



Dr Niamh Pattwell, UCD School of English, Drama and Film

Nominator: Hilary Minch

Niamh is being recognised for her role as chair of UCD Volunteers Overseas. She has generously contributed her time and expertise to the charity in a voluntary capacity, dedicating herself to supporting UCDVO achieve the highest standards of responsible international volunteering and global citizenship education, that has had a profound impact on the lives of hundreds of students and those the charity works with. Niamh has provided outstanding stewardship to UCDVO in a period of transition and has led the organisation as it underwent its first independent external evaluation to learn from its journey so far and chart the future direction of the charity. She helped the charity successfully navigate the COVID 19 pandemic, adapting its programmes effectively for remote delivery and embracing change.

Associate Professor Hilda Loughran, UCD School of Social Policy, Social Work and Social Justice

Nominator: Theresa O'Leary

Hilda was recognised for her commitment and dedication to building long-term community partnerships between UCD and community drug and alcohol services. When she started working in UCD, Hilda recognised that UCD was not really connected to the type of communities and the types of concerns that she was familiar with from her social work practice. In 1996, she became involved in a partnership with 'Community Response' – a community response to the drug and alcohol problem in the south inner city. Between 1998-2001, she developed a partnership with the then Adult Education in UCD, and Community Response and Merchant's Quay. Together they developed a Diploma in Community Drugs Work. This partnership also led to the Friars in Merchant's Quay giving UCD their valuable library of papers – which became the UCD Mícheál Ó Cléirigh Institute.



APPOINTMENTS AND PROMOTIONS



Appointments

Full Professor

Professor Maria Brenner

School of Nursing, Midwifery and Health Systems

Professor Klaus Kessler

School of Psychology

Professor Colin J McMahon

School of Medicine

Professor

Professor Akke Vellinga

School of Public Health, Physiotherapy and Sports Science

Promotions

Full Professor

Professor Paul Fanning

Provost UCD's Joint International Colleges in China and UCD International Dean

Professor Bettina Migge

School of Languages, Cultures and Linguistics

Professor Frank Monahan

School of Agriculture and Food Science

Professor Michelle Norris

School of Social Policy, Social Work and Social Justice

Professor Tadhg Ó hAnnracháin

School of History

Professor Aisling Reynolds-Feighan

School of Economics

Professor

Professor Karen Anderson

School of Social Policy, Social Work and Social Justice

Professor Michela Bertolotto

School of Computer Science

Professor Theo De Waal

School of Veterinary Medicine

Professor Evelyn Doyle

School of Biology and Environmental Science

Professor Ursula Fanning

School of Languages, Cultures and Linguistics

Professor Gabrielle Kelly

School of Mathematics and Statistics

Professor Sheila McBreen

School of Physics

Professor Paul McCabe

School of Biology and Environmental Science

Professor Pauline Mellon

School of Mathematics and Statistics

Professor Niamh Moore-Cherry

School of Geography

Professor Meidhbhín Ní Úrdail

School of Irish, Celtic Studies and Folklore

Professor Karina Pierce

School of Agriculture and Food Science

Professor Francesco Pilla

School of Architecture, Planning and Environmental Policy

Professor Emma Sokell

School of Physics

Professor James Sullivan

School of Chemistry

Professor Brendan Williams

School of Architecture, Planning and Environmental Policy



RETIREMENTS

UCD Academic Affairs

UCD Careers Network

Geraldine Lardner

Ger joined UCD in January 2017 after a varied career in higher education, spanning employment with the University of Galway and Dublin City University where she worked extensively in Research Administration and in the DCU Careers Service.

Ger's mission at UCD was to leverage the success of services for postdoctoral researchers, to build a bespoke range of services and activities for the growing population of graduate research students. She established effective relationships quickly and made an incredible contribution from the outset, adding value to the student experience using her own experience, skills, and expert knowledge.

Ger's work was recognised nationally, at the Association of Higher Education Careers Services Excellence Awards in 2019, earning a 'Highly Commended' rating. Ger was a member of staff who was unforgettable, touching the lives of colleagues and students and who contributed to the Higher Education community nationally and internationally. While delivering success in work, Ger was an active member of the UCD Community in Purl Jam and the UCD Choir.

UCD Library

Anna Bale

Anna joined UCD in 1979, working as an Executive Assistant in the Department of Modern Irish with responsibility for managing the *Teanglann* (Language Laboratory). The deep familiarity she gained of dialects of modern Irish prepared her well for her next appointment, when she took up the role of Audio Technician in the Department

of Irish Folklore in 1989. She held this post until 2009, having been promoted to Senior Technical Officer (STO) in 2003, when she took up a temporary role as Irish Language Editor with the Irish Theatre Institute. She returned to UCD in 2011 and combined the role of STO with that of Senior Research Editor of the newly instituted National Folklore Collection Digitisation Project ([Dúchas.ie](http://Duchas.ie)).

Anna continued this challenging dual role until her retirement in 2021, in the course of which she helped to devise and implement clear editorial and digitisation standards and workflows. The success of *Dúchas* as a major national platform of Irish cultural content owes much to Anna's technical expertise and versatility, but also to her exceptional interpersonal skills and collegiality. Current and former colleagues in the National Folklore Collection, and from across UCD Library, wish Anna well in her retirement.

Cathy Caplan

Cathy joined UCD Library in 1992. Throughout her career in UCD Library, Cathy held many positions including as assistant in the Librarian's office. Cathy was an invaluable member of the Client Services team, particularly the information desk service. She worked in all five libraries but spent most of her time in UCD in the Architecture Library in Richview.

In all her positions, Cathy was committed to the provision of excellence in user-focused services and was well known by academics and students alike. She initiated the annual charity coffee event which generated considerable funds for charities. UCD Library thanks Cathy for her hard work, collegiality, and friendship and wishes her well in her well-earned retirement.

Noel Fagan

Noel joined UCD Library in 2004 as a member of the Library Facilities Team. Initially located in Earlsfort Terrace managing post and deliveries among other tasks, Noel was well known to staff and students. He supported the work around the closure of the Earlsfort Terrace Library in December 2006 and the stock moves to the new Health Sciences Library in January 2007. He was a valued colleague and member of the Health Sciences Library team.

Cora Foster

Cora began her career in UCD in the Restaurant in 1996 and then joined the Facilities Team in the James Joyce Library in 2006 as a Library Facilities Assistant. Cora had a wealth of experience in customer service and with dealing with students and used those skills to really fit in with staff and students in the Library. Cora always showed great understanding and empathy to students who found themselves struggling with their new life living away from home and studying at university. Students would often ask for her specifically when they needed advice or assistance. As a key member of the team that kept UCD Library open during the pandemic, Cora received the UCD Values in Action award in 2021.

Monica Glynn

Monica joined UCD Library in May 2007 as Library Services Officer. During her time at UCD she made it possible for the Library to have the longest opening hours on the UCD campus while managing the complexities of the James Joyce Library Building, enabling hundreds of thousands of students pass through every year. Monica also played an instrumental role in a range of refurbishment projects including the Hub 1 social learning space and the refurbished Special Collections reading room and storage facilities. Monica was also a member of the Library COVID-19 Response team that won a UCD Values in Action Award in 2021 for keeping the Library open for students throughout the pandemic.

Avril Patterson

Avril joined UCD Library in 1979, originally in the periodicals department before moving to the Veterinary Medicine Library where she spent 14 years. She was well known and very much part of that veterinary community. In 1994 Avril was promoted to Senior Library Assistant and moved to Belfield to manage the Inter Library Loans services where her expertise was regularly called upon by colleagues in other university libraries. In 2015 Avril was further promoted to User Services Manager with responsibility for library services across all five sites. Avril was committed to excellence in customer service and the student experience and worked tirelessly to enhance and improve services, spaces and collections for the benefit of the user.

While working in UCD Library, Avril was also a part-time mature student and awarded a first-class honours BA in English and History in 2006, followed by her Masters in Library and Information Studies (MLIS). Avril was a valued member of both the UCD University Widening Participation Committee and Student Supports Group where she was a true champion for students coming to education by different pathways. Avril was widely known across the Irish Library sector as a proactive member of many national committees and working groups over the years.

Petra Schruenhofer

Petra joined the Collections Team in UCD Library in 2002 following a successful career working as a translator. She was an integral part of the team and worked hard, meticulously sourcing and ordering books and resources for UCD students and faculty. It was often said that if Petra couldn't find it, then it didn't exist and she was excellent at tracking down the right book in the right format at the best possible price.

Petra's role evolved during her time at UCD and she embraced all the changes that came her way. She supported the University's digital transformation goals acquiring e-books and other online resources for the Library's digital collections and helped many staff and students across the institution. Petra is a much missed member of the UCD Library team and we would like to thank her for her dedication to Collections and wish her well in her retirement.

UCD IT Services**Dr Niall Watts**

Niall retired from IT Services in October 2021 after almost 19 years as an Educational Technologist Project Manager in UCD and after over 40 years working in the EdTech industry. He contributed significantly to the development of EdTech in UCD, project managing the design, development and implementation of numerous technology-enhanced learning (TEL) projects. Other significant projects he was involved in was the development of UCD's first massive open online course (MOOC) and Digipass, a multi-university Erasmus+ Strategic Partnership project. And as if Niall was not busy enough, he undertook a PhD on Blended Learning, which he was awarded in 2019. His expertise, experience and his patient mentorship in EdTech is missed.

Office of the Registrar**Dr Sharon Prado**

Following roles in education in Boston University and Arizona State University, Dr Sharon Prado, joined UCD in 2009, and as Director of Academic Strategic Initiatives worked on a range of activities across academic affairs. Her role supported the University's strategic plan and included developing initiatives to enhance student engagement in civic, sporting and co-curricular activities, through to developing resource plans with UCD Library for cultural heritage conservation. With interests in the arts, notably music, Dr Prado was committed to promoting academia and student-centred education through innovation and creativity. During her time with UCD, Dr Prado built external partnerships and leveraged her network in the US to facilitate inter-institutional collaboration between UCD and key strategic partners.

UCD Student Health**Nurse Geraldine Mc Dermott**

During her 22 years of service, Geraldine put the student at the heart and centre of her role. She delivered quality nursing care to students with compassion and respect. Over the years, she readily shared her nursing knowledge with her colleagues to ensure best practice and to give support to the clinical and non-clinical members of the Student Health team. She led and coordinated health screening with the schools of Physiotherapy and Radiography as they prepared students for clinical placements.

Outside of her day-to-day care of students, she was involved in the health promotion committee and participated in many initiatives to benefit students over those years. Anyone who knows Geraldine will know of her love of golf. She is an active member of the golf society. More recently, she was a member of the choir and a regular at the Tuesday rehearsals and recitals.

Geraldine consistently acted as an advocate for the student population and her dedication positively impacted the well-being of students and the wider UCD community. Her colleagues and associates wish to take this opportunity to acknowledge her valuable contribution to the students and the service and to wish Geraldine a long and happy retirement.

UCD Teaching and Learning

Associate Professor Terry Barrett

Terry joined the UCD Teaching and Learning team as a Lecturer in Educational Development in May 2005. Drawing on her PhD work in the area of problem-based learning, she co-led the design, implementation and evaluation of a large UCD strategic project on enquiry and problem-based learning. With a strong interest in the development of academic writing skills, she supported UCD faculty, national educational development colleagues and her own PhD students' publications in the area of teaching and learning research. Terry was a gifted and passionate teacher. UCD colleagues who encountered her through the Professional Programmes in University Teaching and Learning spoke of her compassion and care for her students, her innovative and creative style of teaching, and her in-depth knowledge of the subject. She served as programme director for the Professional Programmes in University Teaching and Learning over many years, and in that time, she was instrumental in growing the programmes, both in terms of student numbers and choice of offerings. Terry also provided bespoke educational development workshops and resources for programme teams across a spectrum of disciplines, facilitating their engagement in curriculum design and innovation.

Terry was best known for her research in problem-based learning and presented keynote papers on this topic internationally. Her other research interests include creativity, academic writing and mindfulness and compassion in higher education.

Research

UCD Research Finance and Operations

Anthony Malone

Tony joined UCD 14 years ago, first working in Research Finance as the pre-award accountant and then joining UCD Research where he led the team in Research Finance and Operations. Valued by colleagues in central support units as he was by researchers, Tony was described again and again as a true gentleman, a font of information and expertise, someone who went above and beyond, someone who would do anything for you.

As research awards became increasingly complex and UCD's award volumes increased, Tony and the team rose to the challenge, providing solution-focused support to the research community. The team meant everything to Tony, he had their backs and supported them.

He was super colleague and the very epitome of service, collaboration and collegiality. He was also a great man for a bit of office banter, particularly if it involved his beloved Dubs! His colleagues in UCD Research, Finance, Legal, Nova and across the research community wish Tony every happiness and many long hikes in retirement!

UCD Bursar's Office

UCD Estate Services

Michael Campbell

Michael worked in UCD for 49 years and started his career in what is now the Energy Centre. At the time the boilers providing heating for the campus were actually coal-fired and required tending on a 24-hour basis on different shifts. In the following years when the boilers became automated, Michael transferred over to the Grounds Department and played a particular role in caring for the UCD Athletics track. During his tenure, Michael saw the transition from a grass surface, to cinder, to a tartan surface which was installed in 1977, on which so many national records were set. Michael enjoyed his work, always took great pride in the areas under his responsibility and was always ready and willing to lend a hand to his colleagues over the years. His colleagues wish him the very best in his retirement after such a long period of service to UCD.

Mary Daughan

Mary joined the UCD Telephone Services team in the Administration Building in 1988, moving to Belfield House in 2006. The telephone services team that Mary was an integral part of, was a very close-knit group who shared a great sense of camaraderie and plenty of laughter. As various team members retired over the years, they have kept in touch with each other and since her own retirement earlier this year Mary is a regular visitor to campus to meet with friends and former colleagues. Mary very much enjoyed her time in UCD and has found time during her retirement to pursue her interest in travel and her colleagues wish her all the very best during her retirement.

UCD Finance

Donal Doolan

Donal was a student in UCD from 1975 to 1978 when he graduated with a BComm. He returned to UCD as an experienced accountant in 1991 and stayed until his recent retirement as Director of Financial Management.

Donal was an expert on taxation, pensions, statutory accounts, residency finances, commercial finances, capital expenditure, bank loans, bank deposits, research finances, payments, etc and he shared his expertise generously. He was a director simultaneously in most, if not all, of our subsidiary companies – indeed he set up many of the more complex subsidiaries to maximise commercial and taxation advantage.

It is of enormous credit to Donal that, across his long and successful career overseeing UCD's large and complex finance operations, the University has consistently been given a clean bill of health from regulators, partners and auditors. He leaves behind an excellent finance team, recruited and trained by him over a number of decades.

He was held in high esteem by everyone, including faculty, staff, HEA, IUA, finance committees, audit committees etc. He had a keen empathy for those with whom he worked and those who came to him for advice. He never had a bad word to say about anyone and had a dedication to his work that was second to none. Donal's colleagues thank him for so much over such a long time – they will miss him!

UCD Restaurant

James Fitzsimmons

Jimmy worked in the UCD Main Restaurant for 42 years until his retirement in 2021. Jimmy was a very hard worker and loved to interact with staff and students on topics of the day as he went about his daily business. Many of these interactions would involve Jimmy regaling stories of his travels or upcoming plans. Jimmy loves to visit different parts of the world and visited many different locations such as China, South Africa, the United States, and was particularly fond of Italy.

Jimmy was very well regarded by his colleagues and he himself remembered all former staff with loads of affection. He was particularly grateful to Miss Kenny, as he remembers her, for her guidance through the years. A GAA fan, Jimmy follows Kilkenny in Hurling and Dublin in Football. After his retirement, he was ready to pack his bags once again and initially has plans to go on a cruise to the Mediterranean.

Michael Clarke

Michael worked as a Chef in the UCD Main Restaurant for 22 years. Mike, as he was known to his colleagues, is thought of as a great character, who is always in good form, filling the kitchen with his songs as he prepares meals. While working mainly behind the scenes in the kitchen, he enjoyed the interactions with the customers, quickly giving a helping hand at the carvery counter, cracking jokes with staff and students.

A self-declared expert in stir-fries and Indian cuisine, his colleagues also considered him a great baker. Mike was responsible for the catering provided by the University during the 2003 Special Olympics, where 1,800 athletes and family members were catered for during the duration of the Games. A father of four, Mike's two sons worked with him in the UCD Main Restaurant at different times. His colleagues will remember him as a Chef that loved his job and loved working in UCD and wish him the very best in his retirement.

Rosemary Flynn

Working as cashier, Rosemary was a friendly face to students and staff across the different UCD Restaurants. During the COVID-19 lockdowns Mary was ever present in the main restaurant as she attended to people coming in each day. Part of a big family, Rosemary is looking forward to spending more time with her brothers and sisters after her retirement.





UCD Global

UCD Applied Languages Centre

Mary Gunning

Mary worked at the UCD Applied Language Centre from 2010–2013 and from 2018–2021. During this time, she contributed to General and Academic English language programmes.

As an International Pathways Programme tutor (Pre-Masters and Pre-Sessional), Mary helped hundreds of international students to meet important academic milestones in a pressurised environment and empowered students to achieve their fullest potential. She remained innovative in her approach and showed significant resilience during the difficult circumstances we faced during the COVID-19 crisis. The quality and impact of her work is evidenced by the high level of student achievement and satisfaction with teaching.

Mary was greatly loved and respected by all her students. She had a genuine interest in each and every one as individual learners and was able to build an excellent rapport with all of them. She made useful observations and contributions to team meetings and was always keen to share ideas and suggest solutions to problems. She was never afraid to speak her mind and offer constructive feedback. Her colleagues wish to take this opportunity to acknowledge her valuable contribution and to wish Mary a long, healthy and happy retirement.

UCD College of Arts and Humanities

UCD School of English, Drama and Film

Leon Conway

Leon retired after several decades of service to Film Studies at UCD. He was pivotal in the creation of UCD School of Film in the 1990s,

which ran successful summer programmes in conjunction with NYU Tisch School of the Arts and partners and supporters in the Irish film industry with founding support from Hollywood legend Gregory Peck. Leon had a passion for practical film making and production cultures. He fostered working relationships with UCD School of Computer Science and UCD School of Physics centred on practical filmmaking technologies and encouraged research projects encompassing technical dimensions.

He was instrumental in the establishment of Master of Arts programmes in Film Production and an MSc in Ubiquitous Multimedia Post-Production. He was director of the UCD Centre for Film Studies and Head of Subject in Film Studies in the UCD School of Languages, Literatures and Film prior to the formation of the UCD School of English, Drama and Film, where he taught foundational modules on film aesthetics and film sound. Leon had a particular interest in the cinemas of Central Europe and the staging of theatre for television, though he did not pursue publication of his work. His former colleagues in Film Studies wish Leon an enjoyable and well deserved retirement.

Pauline Slattery

A UCD graduate of Archaeology and German, Pauline began working in UCD in 1981 where she joined the Department of Logic and Psychology as an administrator, before moving to the School of Old and Middle English in 1990. She retired on her 65th birthday in February 2022, having been School Manager for more than 30 years in what rapidly grew into the UCD School of English, Drama and Film.

Happy, upbeat and helpful at all times, Pauline ensured everyone got her full attention and a warm welcome. She was a hugely

popular School Manager with staff and students alike, always full of energy and enthusiasm, positive and unflappable. Pauline had a rare gift for connecting with people, and connecting people with each other, building community and friendship all over UCD, and well outside it.

Pauline gave a huge amount of her time and energy to UCD, served on many committees, played tennis, joined the choir, and was a dedicated advocate of students, tutors, visiting lecturers and new colleagues. She was known throughout the University for her hearty laugh and her love of a good story. All her colleagues in the School wish her a happy, healthy and richly deserved retirement.

UCD School of Languages, Cultures and Linguistics

Professor Vera Regan

Vera, a Full Professor in Sociolinguistics at UCD, recently retired after a brilliant career spanning many decades as a member of the UCD Department of French, later French and Francophone Studies. She was among the first scholars in the world to apply sociolinguistic analysis to second language acquisition. She is author of eleven books, fifty-six articles/chapters and continues to publish on L2 acquisition, sociolinguistic competence, identity and migration. She continues to receive regular invitations to give conference keynotes and she has given nearly a hundred plenaries across a lengthy and internationally recognised career.

Vera has been bestowed with multiple honours, including Chevalier de l'ordre des Palmes Académiques, Prix du Québec and two senior research Fulbright fellowships at the University of Pennsylvania in the sociolinguistics laboratory of William Labov. She attracted vast amounts of research funding and supervised ten PhD students, many of whom have themselves become successful academics. Within UCD, she served on multiple University and School committees. As a lecturer, she taught French language and linguistics at all levels until her retirement and for many years she oversaw the Applied Linguistics element of the MA in Linguistics and Applied Linguistics.

Vera has been a very kind and supportive colleague throughout her many decades within UCD French. Her colleagues wish her *bonne continuation!*

UCD College of Business

Monica Timlin

Monica retired in May 2022 after 27 years of service with UCD. Monica began her career in UCD HR before moving to the Faculty of Commerce where she commenced in her role as programme manager for the Master of Accounting Programme in 1999. This role also involved developing and maintaining relationships with professional accountancy bodies, along with professional services firms. In recent years, Monica also managed our new programme, the MSc Accounting and Financial Management.

Monica's dedication to her programmes, students and alumni was renowned. Her pastoral care of our students was exceptional and Monica was well-known and recognised by our students and colleagues, alongside many external stakeholders. Her collegiality, creativity and good humour made her an exceptional member of the UCD staff and a joy to work with.

Monica always kept her finger on the pulse of student matters and paid special attention to any student in difficulty. Monica was always very proud to see our students graduate and followed their success throughout their careers. Attending the conferring ceremonies was the highlight of her year meeting up with her students again and meeting with their families.

Monica was a wonderful colleague and is greatly missed around the UCD Smurfit School. We wish her a long, happy, and healthy retirement.

Nuala Doyle

Nuala retired in June 2022 after working as an executive assistant in the Marketing subject area for over 25 years. She played a pivotal role in the Marketing Group over that time as the custodian of key information and the manager of the processes and schedules that are essential to the efficient operation of a large roster of academic programmes across both undergraduate and postgraduate levels. In her calm, pleasant way, she always managed to ensure that all deadlines were met, and all necessary processes completed. This was a considerable achievement although Nuala made it look easy.

Nuala also played a key role in arranging the many events that take place in a busy academic department, from job interviews to conferences and guest lectures, and everything in-between. As well as displaying her customary efficiency in managing such events, she always showed great humanity in dealing with the many people involved, providing a warm welcome and helpful encouragement where needed. Her office was the go-to destination for queries on all matters, and visitors seldom came away without their questions answered or their problems solved. Nuala was the linchpin for all in the Marketing Subject Area and we greatly miss her kind and helpful presence. We are happy to know, however, that she is not resting on her laurels but is enjoying a busy and varied retirement.

UCD College of Engineering and Architecture

UCD School of Chemical and Bioprocess Engineering Sinéad Kerins

When Sinéad joined UCD in 1980, she was the second-ever female member of the technical staff in the (then) Chemical Engineering Department, based in Merrion Street. Sinéad, a Chemistry graduate from the College of Technology, Kevin Street, started her life in UCD as a young, enthusiastic Technical Officer, initially involved in the delivery of undergraduate Chemistry laboratories and, subsequently, in the development of new teaching experiments.

With each new academic year in Merrion Street and, since 1989 in Belfield, Sinéad guided another batch of students through the labs, cheerfully but rigorously helping them to grow in confidence, skill and safety awareness. Her own technical ability was best evidenced in her work, undertaken alongside her colleague, Bríd Casey, under the direction of Dr John Byrne and the late Dr Dan Carroll, on the development of ground-breaking chromatography methods for solvent purification. The regular appearance of Sinéad's name in MEngSc and PhD theses acknowledges the debt owed to her by generations of postgraduate students whose research she expertly supported. Alongside these professional contributions, she

was All Ireland Water Polo Champion three times. Having worked under every Head of School in the history of UCD Chemical and Bioprocess Engineering, she now retires from UCD as Chief Technical Officer, still cheerful and enthusiastic! She will be missed by all who knew her.

UCD School of Civil Engineering

Andrew Griffiths

Andrew joined UCD in 1999, starting in the Assistant to the Secretary's Office in the Tierney Building. He moved to Earlsfort Terrace to join the School of Civil Engineering in 2002, where he very quickly settled in, and stayed with the School until his retirement in June 2022.

A school office plays a very central role within the life of any School within the University, being the first port of call for staff, students and visitors. Andrew played a very central role, where he provided a welcoming environment to all comers. He gave of his time to everyone, providing advice, support and direction as necessary. No matter what the situation, Andrew knew what to say, or who to contact to seek help. His good humour, his cheerfulness, his obliging nature and his genuine interest in those he worked with will be remembered and cherished. Andrew was rightly held in high esteem by his colleagues.

Andrew is an accomplished guitarist, dancer, artist and sailor. While in UCD he also developed his woodworking skills under the excellent tutelage of Technical Officer John Ryan. No doubt he will now have more time to develop and expand these interests, and we wish Andrew a very long, healthy and happy retirement.

Derek Holmes

Derek joined UCD at the tender age of 17! His interview took place in Merrion Street, with Professor Dooge, Professor de Courcy and Professor Hanrahan. Realising that Derek would be a great addition to the Department, this auspicious Board of Assessors had no hesitation in making an appointment as a Laboratory Attendant. Derek was good-naturedly referred to as 'the boy' during his early days at UCD.

When starting in Merrion Street, Derek was advised not to get too comfortable, as the Department of Civil Engineering would be moving to the main campus in Belfield before long. A few years later the Department did move, however it was just around the corner to Earlsfort Terrace! It was in fact 34 years after Derek started in UCD that he moved onto the Belfield campus with the School of Civil Engineering.

With the support of Professor Casey, Derek dedicated time to further study, resulting in a promotion to Technical Officer within the School. Derek contributed significantly to the very supportive and welcoming environment within the School Laboratory. His interest in staff, students, and visitors, in understanding and appreciating their backgrounds and culture, is testament to positive promotion of dignity and respect, and the creation of a culture of equality and inclusion within the lab. Derek will be remembered by staff and students alike for his good humour and his accommodating and supportive nature. We wish him a very long and happy retirement.

UCD School of Mechanical and Materials Engineering

Associate Professor Alun J Carr

Alun retired from the faculty of the UCD School of Mechanical and Materials Engineering in September 2021 after thirty years' service to the University. Educated at Newcastle University, he graduated with his PhD in 1986, after which he took up employment as a Senior Scientific Officer in the National Institute for Agricultural Engineering (NIAE), later AFRC Engineering. Following two years as a postdoctoral researcher at the University of Strathclyde, he spent two years as a Research Investigator with The Cookson Group, before joining UCD in 1991.

In the then Department of Mechanical Engineering and later in the School of Mechanical and Materials Engineering, Alun lectured in engineering materials and conducted research in areas such as nitride hardmetals, sialon ceramics, bioceramics and bone biomechanics. His colleagues wish him a long and happy retirement.

UCD College of Health and Agricultural Sciences

UCD School of Agriculture and Food Science

David J Byrne

David joined the Department of Agricultural Zoology and Genetics at UCD as a Lab Attendant in November 1981. The Faculty of Agriculture had only moved from Albert College, Glasnevin to its newly completed building at Belfield in 1979. He later completed technical exams and became a Lab Technician and then Senior Technical Officer. His main duties were in the preparation and setting up of practical classes in agricultural zoology and the maintenance of the zoological collections. He was also involved in field research in applied zoology and entomology, collecting samples and extracting invertebrates. Having received a long service recognition award for 40 years of service, David retired from UCD in September 2021.

UCD Lyons Farm

Brian Cullen

Brian retired in August after 43 years of service. He originally started as a gardener in 1979 then moved into the stores and eventually moved to the dairy where he spent over 30 years. His grandfather James Tankred worked at Lyons Estate for 50 years and retired in 1962 aged 62, Brian's age now. When James was first employed on the estate aged 12, his first job was to keep the crows out of the cornfields. He worked from 6am until 10pm and was paid 4 shillings a week. James' father and grandfather (Brian's great great grandfather) also worked on the estate before him. Brian was the fourth generation of his family to have worked there.

Unlike his grandfather Brian only worked a measly 43 years at Lyons. He looked after the herding and would walk for miles every day and when he wasn't walking, he was cycling. When staff took part in the UCD step challenge, everyone wanted Brian on their team as he would surely have the most steps. Brian was a great asset to UCD Lyons Farm, he was very popular with his colleagues and will be greatly missed.

UCD School of Medicine

Mairéad Egan

Mairéad began her career in UCD School of Medicine in 1995 as an administrator for the subject of Academic General Practice, the paramedic training programme, and as Practice Secretary for the



UCD Coombe Family Practice. She became the manager for the UCD Centre for Emergency Medical Science, and later, manager for the Section of General Practice, Forensic and Legal Medicine. Mairéad worked closely with colleagues across UCD, the National Ambulance Service, Dublin Fire Brigade, the Civil Defence, the Defence Forces, Dublin Airport Fire and Rescue, and a huge network of General Practitioners and hospital consultants. She was integral to building and maintaining UCD's good reputation among the statutory emergency services and GPs.

During her long career in UCD, Mairéad oversaw the administration of extremely impactful work in Ireland and abroad, including projects in Lahore and Sierra Leone. She organised BLS training for university staff and students on Restart a Heart Day 2017, 2018 and 2019, for which she received a UCD Values in Action Award. Mairéad retired from UCD in October 2021 but she has been keeping as busy as ever with other projects!

Maria Fay

(and School of Psychotherapy, SVUH)

Maria retired in June 2022. Initially when she joined UCD she worked with Professor Patricia McCarthy in the School of Psychotherapy on a part-time basis. She brought a wealth of knowledge to the School of Psychotherapy having completed a degree and postgraduate diploma in Psychology as a mature student. Maria then moved to the School of Medicine based at St Vincent's University Hospital supporting the UCD Medical Students on their clinical placements to graduation as Junior Doctors.

Maria was always on hand to lend help or support, no matter how large or how trivial the issue may have been, and endeared herself to all who interacted with her. She never wavered in her passionate belief that our guiding principle should always be the improvement

of the student experience. In her spare time she enjoys rock music and is very knowledgeable on all sporting matters. We wish Maria every happiness in her retirement, with her husband Dominic and daughter Caoilfhionn.

UCD School of Nursing, Midwifery and Health Systems

Dr Jacqueline Burke

Jacqueline joined UCD in 2002, having worked as a Nurse Tutor in St Vincent's University Hospital for many years. Throughout her career she was a champion for nurse education and was centrally involved in the design and development of nursing curricula in line with the requirements and standards set by the Nursing and Midwifery Board of Ireland (NMBI). Indeed Jacqueline served as an elected member of the NMBI Board.

Jacqueline was the programme director for the Graduate Diploma in Critical Care Nursing: Cardiovascular where she established and sustained links with clinical partners to support student learning. She also contributed to the life of UCD in particular through her membership of the UCD Community Choir.

Dr Felicity Johnson

Felicity joined UCD in 2002, having worked clinically in emergency nursing and then as a Nurse Tutor. Throughout her career at UCD Felicity taught at both undergraduate and graduate level and was centrally involved in the design and development of nursing curricula in line with the requirements and standards set by the Nursing and Midwifery Board of Ireland (NMBI). Felicity was the programme director for the Graduate Diploma in Emergency Nursing (Adult). In this role she provided significant support to students from across the country who completed this programme. Felicity also contributed to the life of UCD through her membership of the UCD Community Choir.

Frances Howlin

Frances retired in December 2021. She contributed 40 years' service to Children's Nursing Education both in UCD and previously at CHI Crumlin. She had a wonderful work ethic and many of us didn't quite believe she was retiring until she mentioned it a few times! She had great expertise and skill as nurse tutor, lecturer, module coordinator, programme director and Chair of CASC and Children's Nursing in the School. Her knowledge of the academic regulations and competence at school meetings will be sadly missed and we can only thank her for her commitment and willingness to support new faculty as they learned the ropes.

Students and staff nominated her over the years for Teaching and Learning awards, but she was happy with the nominations and didn't progress with an application for the award. Many students cite how she really taught evidence-based practice and she had such depth and breadth of knowledge. Frances contributed to many important curriculum documents, student support booklets and pioneered an online learning unit for teaching the skill of paediatric tracheostomy care. Many students will continue to benefit from these resources, and we will always acknowledge her work and commitment to children's nursing in our school. We wish her a long and happy retirement and hope she will get to enjoy all the seasons in her garden at home where she is most content with her family and animals around her.

UCD College of Social Sciences and Law**College Office****Margaret Brindley**

In September 2021, we celebrated our colleague Margaret Brindley with a picnic by the secret lake, which she insisted on organising herself, in true Margaret style!

Margaret's contributions over her 28 years in UCD not only included her work in academic units, the National Virus Reference Laboratory and our own College Office, but her hugely important work in the wider University including with the Governing Authority, the Dignity and Respect panel and Trade Unions (to name a few). Margaret was well regarded for her attention to staff welfare individually and collectively.

She had endless time for students who needed guidance, and whether she met them on one of her regular trips to India or via a knock on her door, they were met with a friendly and listening ear. Margaret was a true advocate and supporter for any student who came her way needing help.

Anne Murphy

We celebrated the retirement of our colleague Anne Murphy in February 2022. Anne had worked in the College for almost 20 years, quietly ensuring College Principals, new and old, have been supported and organised in their work and has done so with kindness, friendliness, efficiency and the utmost discretion. Anne was an extremely effective PA who was too modest to know how good she was and how essential her work was to the effective running of the College over many years.

Anne was the person who greeted you when waiting to see the College Principal, maybe for an interview or a formal meeting you

were a little anxious about. She had an incredible way of putting you at ease, with her gentle conversation and encouragement. Anne never had a bad word to say about anyone, and was the soul of discretion if you needed someone to confide in.

UCD School of Economics**Nicholas Clifton**

Nic retired in February 2022 after working in the UCD School of Economics for 23 years. Prior to joining UCD in 1999, Nic worked in the UK at the British Museum. During his time in UCD, he tirelessly advocated for reducing bureaucratic loads on students and staff. His dry humour and efficiency will be missed.

He will be remembered with warmth and friendship. The School of Economics wishes him well on a long and happy retirement filled with many cycling holidays.

UCD School of Education**Dr Lelia Murtagh**

Lelia joined the School of Education in 2004 and retired in October 2021. During that period she made a great contribution to the School, lecturing mostly in the areas of Research Methods and in Language Acquisition. Lelia made invaluable contributions to the Educational Psychology programmes, both in terms of teaching and research supervision. Her professional background was steeped within the Irish language, she published research in both English and Irish and was equally comfortable supervising research in either. Lelia was a very collegial member of staff and made contributions far beyond her academic efforts. She was a very good friend and colleague and was very supportive of students. She paid great attention to detail and performed all tasks to a very high standard. While she has been missed within the School, all colleagues wish Lelia a very enjoyable retirement.

UCD School of Geography**Professor Joseph Brady**

Joe, a UCD stalwart, retired from the School of Geography at the end of 2021-22 academic year. He joined UCD from Carysfort College in 1988 and over the next 34 years contributed greatly to the development of Geography and the life of the University. He was at the helm as Head of Geography during the restructuring that took place from 2002-2004. He also served as Dean of Arts for seven years as the semester/modular transformation became embedded in the university systems. For much of his academic career Joe has been a member of the Academic Council and an elected member of the Governing Authority.

In addition to his administrative contributions, Joe has been deeply involved with the Geographical Society of Ireland (GSI), has been the editor of *Irish Geography* and served as GSI President. His deep knowledge of Dublin's historical geography and development is nationally recognised and much of this is captured in *The Making of Dublin City* book series, a continuing research project that comprises seven volumes thus far. A great deal of this rich knowledge also informed Joe's teaching, which reflected his core geographic perspective on the integration and use of historic materials, fieldwork and statistical analyses within a spatial framework. Joe is an excellent lecturer, and he continues to teach courses on Dublin in the School and is very active in public engagement.

Finally, it is not possible to assess Joe's academic contribution by focusing on UCD alone. A great number of academics, inside and outside UCD, will know Joe foremost as an IFUT colleague: a defender of worker's rights, an able negotiator with complete knowledge of the facts and an ardent proponent of the value of academic freedom. Joe's official retirement has simply given him more time to focus on his Dublin research and we wish him well in his endeavours.

UCD Sutherland School of Law

Maureen Reynolds

We bid farewell to Maureen, our font of all knowledge on the BCL and Law with degree programmes and our go-to person for all Law undergraduate degree students. Maureen played a leading role in support of the development and ongoing management of our Law undergraduate degree programmes. Many a Dean, Associate Dean and Director have called on her knowledge and experience; and too numerous to count students have been guided on their way through their Law programme from orientation to graduation and beyond, by our very capable Maureen.

She was always willing to work with colleagues in the School and across the University, to ensure that our students were able to progress, and supported through whatever challenges may have arisen for them. Maureen gave a very warm welcome and lent a hand of support to many a staff colleague in the School and beyond over the years. She would often remind colleagues that this is the way we do things here in the UCD Sutherland School of Law, always looking to develop and support the wider Law community and ensuring excellence in legal education and the wider legal profession both in Ireland and internationally. We thank Maureen for her leading role and professionalism and support of Law programmes and the School as a whole.

UCD School of School of Social Policy, Social Work and Social Justice

Associate Professor Ursula Barry

From an early age Ursula has been an activist on women's rights, equality and reproductive justice. She has written and spoken regularly about the struggle for contraception and abortion in Irish and international books and journals. Her research interests include gender and equality policy in Ireland and the EU; the care economy; reproductive rights and reproductive justice; and the changing economic and social position of women. Ursula represents Ireland on the EU Research Network on Gender Equality and was a Senior Expert on the EU Research Network of Socio-Economic Experts on Non-Discrimination.

Ursula was on the first consultative committee on LGBT rights set up by the Equality Authority that produced its first report. She also worked with the Immigrant Council of Ireland supporting their research into migrant women. She was also involved in the highly successful Co-ordinating Committee of the Repeal the 8th Amendment Campaign and more recently Ursula played an important role on the Advisory Committee to the Citizens' Assembly on Gender Equality, addressing the Assembly on *Placing the Care Economy at the Heart of Irish Society*. Ursula has left important legacies in the interaction between activism and academia, and in the development of a strong gender studies programme at UCD.

Professor Jim Campbell

Jim was appointed Chair of Social Work at UCD in January 2015. Prior to this appointment he worked as a mental health social worker, before taking up positions at Queen's University Belfast and Goldsmiths, University of London. Professor Campbell's teaching and research interests span two broad areas, firstly in the field of mental health social work and social policy and secondly, research exploring the relationships between social work and political violence, particularly in relation to the context of the Northern Irish conflict. These interests are reflected in his many publications. Jim served on the editorial boards of numerous journals and was involved in a number of international research and teaching activities, including serving as a visiting professor to the Chinese University of Hong Kong and to the University of Baroda, India. Between 2019 and 2021, he served as Head of School, calmly and effectively guiding the School during the unprecedented pandemic period. We wish him health, happiness and continued success in the years ahead and we thank him for his multiple contributions to UCD. As he would say himself 'onwards and upwards'.

Associate Professor Hilda Loughran

Hilda retired in March 2022 after 32 years. Herself an alumna of UCD, she worked as a social worker in addiction and housing services prior to joining UCD. She taught primarily in the fields of social policy and social work and served as Head of Teaching and Learning and as Director of the Social Work Programme. Her teaching excellence was recognised when she won the President's Teaching Award and subsequently when she was appointed as a Fellow in Teaching and Academic Development.

Her research centred around drug and alcohol policy, brief interventions, and social work practice. She published widely, including two recent books *Counselling Skills for Social Work and Understanding Crisis Therapies*. Hilda exemplified exceptional commitment to community engagement through collaboration with numerous organisations. With community partners, she pioneered UCD's Community Outreach Programme to widen participation for students from underrepresented cohorts, leading to the establishment of certificate and diploma programmes in relation to Alcohol and Drugs. In 2022 Hilda was awarded the UCD Values in Action award. We wish her health, happiness and continued success in the years ahead and we thank her for her immense contribution at so many levels.

UCD College of Science

UCD School of Biology and Environmental Science

Bridget Moran

Bridget (Bredagh) started in the Botany Department in UCD in 1986, initially working in the large undergraduate labs before moving to work with Dr Marinus Otte and his Wetland Ecology research group in 1996. During this time, she completed her MSc entitled 'Tissue Culture of a DMSP-producing plant *Wollastonia biflora*: in vitro and in vivo'. Subsequently, she worked with Professor Jennifer McElwain's Palaeoecology and Paleobiology group before leaving lab life altogether and moving to Thornfield to work in the glasshouse unit and set up the palaeoecology-controlled growth chambers. In 2010, when Thornfield was decommissioned, she managed the move of the facilities to the Rosemount Environmental Research Station, where, along with others she was

instrumental in setting up and developing the facility into what it is today.

Throughout her career, her hard work and dedication to the role along with her enthusiasm for students and colleagues shone through. Over the years, she mentored many undergraduate and postgraduate students in the labs and later at Rosemount from Botany, SBES and SAFS. She was always ready to be a listening ear and was quite fond of a cup of tea!

UCD School of Chemistry

Mary Flannery

Mary worked in the Department and then School of Chemistry as a Technical Officer and Senior Technical Officer since 1981. She organised and supervised purchasing for the School's research and teaching labs and interacted with all School members and suppliers for the past 20 years. She coordinated the move from paper-based to online purchasing within the School and retired in December 2021.

Dr Helge Muller-Bunz

Helge began the School's crystallography service in 2003. Since that time he ran the single crystal X-Ray service, collecting data and solving crystal structures for faculty in the School. During his time at UCD he contributed to over 300 publications and many more presentations and put the School's X-Ray service on a sound footing.

UCD School of Computer Science

Cheryl Baker

Cheryl joined UCD in 2007, to lead the UCD Centre for Cybersecurity and Cybercrime Investigation (CCI), which had just been established. Her first duties were to engage with law enforcement to help develop the MSc in Forensic Computing and Cybercrime Investigation. Specifically for police officers, this programme was the first of its kind in the world and remains hugely successful to this day. At the same time, she helped establish the European Cybercrime Training and Education Group (ECTEG), with whom CCI still continue to work.

As Director of the CCI until her retirement in summer 2021, Cheryl led the growth of the centre, in terms of both staff expertise and international reputation. As a result, CCI has been awarded over €13 million in funding from numerous agencies, such as the European Commission, the Banking and Payments Federation of Ireland and the National Cyber Security Centre.

Without Cheryl, the centre would simply not exist. Her passion and vision for CCI, and her goal of enhancing cybersecurity resilience in the EU, has had a huge impact on the beneficiaries of the work conducted by CCI. These stakeholders, CCI staff and the many others who maintained strong relationships with her, wish her the best in her well-earned retirement.







University College Dublin
Belfield, Dublin 4, Ireland

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