

CONTENTS

Introduction by Dr Hugh Brady UCD President	2
Achieving Excellence in Teaching and Learning	5
Student Numbers	7
Modularisation, Semesterisation and <i>UCD Horizons</i>	8
Student Recruitment and New Programmes	11
International Student Activity	12
Centre for Teaching and Learning	14
Towards a Research-Intensive University	15
Research Funding	17
UCD Internal Schemes in Support of Research	18
Research Awards	20
Research Achievements	22
Fourth Level	25
UCD Research Institutes	26
UCD Conway Institute of Biomolecular and Biomedical Research	27
Centre for Synthesis and Chemical Biology (CSCB)	29
Dublin Molecular Medicine Centre	31
UCD Geary Institute	33
UCD Humanities Institute of Ireland	35
UCD Urban Institute Ireland	36
UCD Mícheál Ó Cléirigh Institute	37
NovaUCD – The Innovation and Technology Transfer Centre	38
Providing a High Quality Student Experience	41
Facility Development: Capital Projects	43
Library	47
IT Services	48
Careers and Employment	49
Widening Participation	51
Financial Assistance for Students	53
Student Support, Chaplaincy and Student Advisers	54
Sport	55
Music	57
Student Societies	58
Shaping Agendas	59
Communications	61
Development and Alumni Relations	63
Special Recognition	65
Staff Developments	67
Appendix 1, New UCD Academic Structure: Colleges and Schools	75
UCD College of Arts and Celtic Studies	76
UCD College of Human Sciences	77
UCD College of Life Sciences	78
UCD College of Engineering, Mathematical and Physical Sciences	79
UCD College of Business and Law	80





Since its foundation, the growth of UCD and the growth of Ireland have gone hand in hand. This university has now become the university of an independent, modern and increasingly prosperous Ireland. For generations this university has helped to shape the country's economy, society and culture, and it will do so for generations to come.

INTRODUCTION BY DR HUGH BRADY UCD PRESIDENT

VISION

In early 2004 I set out a series of targets that were central to my vision for UCD as a leading, internationally recognised, research-intensive university. Those targets were deliberately ambitious. I knew that they would take exceptional levels of energy and commitment from everyone across the university if they were to be met. I am happy to report that academics from all our Schools and Colleges and their administrative and technical colleagues have worked together superbly to take us closer to our goals.

The vision I articulated was underpinned by an awareness of UCD's position in Ireland and the wider world. The harsh reality is that we face greater competition than ever before for the best students and staff in a global market.

At a national level, the overall pool of potential students is getting smaller and the range of options for our potential students is ever widening. At an international level, exceptional third and fourth-level students and researchers will only choose to come to UCD if we have a worldwide reputation for our commitment to research, scholarship, innovation and creativity.

As we continue to strive towards our ambitious goals, I am very pleased to report that what has been achieved in the last year has been quite remarkable. It is a great tribute to the entire UCD staff that in such a short space of time we have completely restructured the university and the curriculum. Our five new Colleges and 35 new Schools continue to go from strength to strength. This

new and dynamic academic structure will be the foundation of all that we achieve in the future and the first fruits are already to hand. Among many other advances, we have continued to develop our five new Graduate Schools, revamped the promotions procedure and raised the international profile of UCD.

Since I became President, I have taken every opportunity to impress on government the need to transform third level and create a dynamic fourth level sector in Ireland. I have been very impressed by the level of political commitment that, if followed by investment, will ensure Ireland establishes a truly excellent, internationally competitive education sector.

During the year we welcomed several members of government including An Taoiseach, An Tánaiste and the Minister for Education and Science to open new facilities. The next five years will see major investment in the promotion of research and innovation in the Irish higher education sector through a number of pioneering initiatives.

The government's ongoing support for UCD, and for third and fourth-level education generally, is most welcome.

IMPLEMENTATION OF THE STRATEGIC PLAN 2005-2008

In early 2005, all the high-level objectives of our Strategic Plan were agreed. The plan focuses on a three-pronged vision of UCD being the best in terms of:

- Teaching and learning environment;
- Research environment;
- Impact on Irish society.



We are making strong progress in each of these areas.

Our teaching and learning environment has been transformed with the successful launch of *UCD Horizons* - a modularised, semesterised and credit-based curriculum.

We want to be the country's premier fourth-level institution and have launched five new Graduate Schools to support a university-wide commitment to research and innovation.

UCD's impact on Irish society continues to be significant with UCD academics playing key roles in the development and implementation of national and international strategy and policy.

ATTRACTING THE BRIGHTEST AND BEST

Applications to UCD rose by over 10% in 2006, reversing the decline of the previous three years. The curriculum reform and the launch and marketing of *UCD Horizons* have been major factors in making the university such an attractive choice for students.

UCD Horizons has been exceptionally well received and students have taken the opportunities it offers to make informed, mature and creative choices about how to widen or deepen their knowledge from the programme they are studying.

The number of international students attending UCD rose by 8% in the year under review and 110 countries are now represented on campus. Also, UCD joined Universitas 21, a major international network of over 20 research-led universities that will offer our students and staff a range of mobility, research and academic opportunities. It will also offer us significant best-practice benchmarking opportunities.

RESEARCH, SCHOLARSHIP AND INNOVATION

Our aim is to advance knowledge through cutting-edge research in an environment that encourages and attracts world-class researchers from across the disciplinary spectrum. We are forging exciting educational and research partnerships and collaborations with academic, industrial and not-for-profit organisations, thereby enhancing confidence in UCD as a destination for investment from the public and private sectors.

UCD attracted significant increases in the volume and value of contracts in 2005/06, being awarded 664 contracts worth almost €83 million, an increase of a third over the previous year.

Our research institutes offer state-of-the-art facilities, technology platforms and a critical mass of researchers and academics. Ireland's leading biomedical research centre, the UCD Conway Institute raised over €30m in peer-reviewed grant income in the past year.



Pictured at the UCD Foundation Day dinner were, left to right, Dr Paddy Hillery, Mrs Maeve Hillery, Dr Hugh Brady and Dr Michael Smurfit

Pictured at the launch of the Wyeth Research Ireland facility at the UCD Conway Institute: (left to right) Dr Hugh Brady, Mary Hanafin TD, Minister for Education and Science and Dr Frank Walsh, Executive Vice-President, Discovery Research Worldwide for Wyeth

FOURTH LEVEL

The government's explicit commitment last year to the establishment of Fourth Level Ireland was a pioneering step in higher education. Specifically, it will underpin the development of a world-class system for Masters/PhD training in Ireland by providing the best of support and facilities for our rapidly expanding graduate-student cohort. My firm intention is to make the UCD PhD the gold standard for Fourth Level Ireland.

CAMPUS DEVELOPMENT PLAN AND THE STUDENT EXPERIENCE

UCD's main campus at Belfield is a wonderful resource which we must develop in a sustainable way to maximise its benefit to not only our students and staff but also the wider community in which it is placed. We will double the number of students living on campus over the next five years to 6,000. My ambition is to change the feel of

the campus - to make it a 24/7 centre of learning and living where a sense of scholarliness is pervasive.

We have launched the Campus Development Plan, having consulted with our local community and other stakeholders. A central part of the plan is the Gateway Project - a new complex which will link the university's main entrance off the N11 with the core of the campus.

Pictured at the launch of the alliance between UCD and the Institute of Bankers in Ireland (from left to right) John Trethowan, President of the Institute of Bankers in Ireland, Dr Philip Nolan, Registrar, UCD and Brian Cowen TD, Minister for Finance



A major international competition will provide the world's leading architects with an opportunity to create an iconic landmark for Dublin and Ireland. The development will enhance the working and living environment for students and staff and open up the campus to local and wider communities.

Work is also starting on UCD's Science District with the aim of developing a transformative resource for Irish science.

I believe that a university education is not solely about academic endeavour. Involvement with the university community through sporting and student activity is equally important. Through outstanding facilities, and a wide range of extra-curricular activities, we are providing the stimuli and guidance that develop healthy and rounded individuals.

HONORARY DEGREES AND AWARDS

Last November UCD honoured former President of Ireland Dr Patrick Hillery with the UCD Foundation Day Medal. In preparing my citation for the event, I was struck by the significance of Dr Hillery's historic contribution to Irish education over 40 years ago. In setting up the Commission on Higher Education in 1960, Dr Hillery paved the way for the later changes that shaped Irish education for the late 20th century. He is a remarkable man.

On other occasions during the year, we were pleased to award honorary degrees to a range of national and international figures who have contributed to the arts, business, science and human development.

STAFF

I want to pay a special tribute to the excellence and commitment of our academic staff. UCD depends on them, and particularly on the quality of their research, for the maintenance of its high academic standards and the international recognition of its degrees. Particular recognition is due for the way all our staff, academic, administrative and technical alike, worked so hard and well to bed down our new Colleges and Schools successfully.

I am delighted that a key tenet of the Strategic Plan, development of a full suite of recruitment and reward mechanisms for academic staff is now in place. In the period of this Report, for the first time, there has been a procedure to promote to full Professor. It is also the first time that promotions to Associate Professor have not taken place under a quota system. I am also pleased to report that the Senior Lecturer promotions benchmarking system is working well and gives candidates clear targets to strive for.

CONCLUSION

We have made enormous progress in this last year. I believe that we are now entering a much more creative, although no less demanding, phase.

This period of dramatic change has been guided and supported by our Governing Authority chaired by Kieran McGowan. He, and the Authority members, offer great support to me and my Senior Management Team for which we are very appreciative.

Space constraints do not allow this Report to fully do justice to the immense amount of work done by all the staff in UCD which makes it so successful. I hope, however, the Report conveys a sense of our immense shared undertaking.

HUGH BRADY
President

2

Achieving Excellence in Teaching and Learning

The vision for UCD is of a leading international university, where an academic community driven by research, scholarship, innovation and creativity provides bold and imaginative education programmes, and where a commitment to excellence in teaching and learning underpins all activity.

Curricular reform has been at the heart of the strategy to achieve this vision and impressive progress has been made. The successful launch of *UCD Horizons* to first year students in September 2005 marked a turning point in UCD's history. It is now clear that *UCD Horizons* has captured the imagination of prospective students. In an increasingly competitive higher education environment, UCD's unique proposition is clear and compelling.

With the continued implementation of *UCD Horizons*, UCD is actively promoting excellence across all of its programmes. The university will continue to attract the best and brightest students and staff by providing a teaching and learning environment of sustained excellence and continued innovation.



Student Numbers

Modularisation, Semesterisation and *UCD Horizons*

Student Recruitment and New Programmes

International Student Activity

Centre for Teaching and Learning

STUDENT NUMBERS

The number of students choosing to study at UCD is growing steadily year on year.

In particular, UCD's share of the total full-time PhD student population has increased. In the academic year 2004/05, 28% of PhD students across the seven Irish universities were studying at UCD, up from 26% in 2003/04.

UCD is a national university drawing students from all 32 counties in Ireland.

The university's international profile continues to rise with significant numbers of students coming to UCD from all parts of the globe.

Table 1 shows the breakdown of student numbers by programme. Table 2 shows the origin of undergraduate students in 2005/06.

TABLE 1 - STUDENT NUMBERS BY PROGRAMME

STUDENT NUMBERS	2004/05	2005/06
Undergraduate degree programmes	13,549	13,581
Undergraduate certificate/diploma programmes	1,700	2,354
Undergraduate visiting/exchange students	464	516
Undergraduate students (total)	15,713	16,451
Doctoral programmes	1,351	1,361
Research Masters programmes	388	391
Taught Masters programmes	2,408	2,375
Postgraduate certificate/diploma programmes	1,765	1,744
Postgraduate occasional students	137	206
Postgraduate students (total)	6,049	6,077
TOTAL	21,762	22,528

TABLE 2 - STUDENT ORIGIN

Origin	number
Dublin City and County	7,785
Rest of Ireland	7,309
Northern Ireland	252
Great Britain	67
EU	214
North America	266
Asia	365
Africa	76
Rest of the World	117




MODULARISATION, SEMESTERISATION AND *UCD HORIZONS*

The UCD Strategic Plan 2005-2008 sets out three ambitious objectives with regard to modularisation and semesterisation:

- Implement a modularised and semesterised curriculum with a rolling implementation beginning in September 2005 and completed by September 2007;
- Fully modularise all taught postgraduate programmes by September 2006 to increase effectiveness and flexibility at this level and provide an essential taught element for structured doctoral programmes;
- Drive curricular reform at programme and module level to focus on defining the core curriculum and learning outcomes, including generic outcomes.

Modularisation has produced some impressive statistics:

- 3,300 modules were articulated in detail by over 800 Module Co-ordinators;
- The 2005 intake of first year modular students took advantage of the new online enrolment facility and enrolled much earlier than in previous years. 97% of students had signed up before the start of term, compared with 62% by the start of term in 2004;
- In the week leading up to the CAO change of mind deadline in June 2006, over 10,000 prospective students visited a specially created UCD website, which provided them with details of all of the programmes and modules on offer as well as information on life at UCD;
- In the first set of assessments under modularisation in December 2005, 170 modules were assessed by 133 Module Co-ordinators. Over 62,000 grades were

compiled for 4,358 students. A wide range of both academic and administrative staff collaborated to make this first round of modular assessments an operational and logistical success.

PROGRESS TO DATE

The September 2005 intake of UCD first year students was the first to enter into a fully modularised and semesterised environment, branded as *UCD Horizons*.

UCD Horizons was well received by these students, who quickly grasped the concept of a choice to either deepen their knowledge in a particular subject area or widen their expertise by choosing elective modules from outside of their core degree programme.

UCD Horizons provides a structure that allows students to make informed decisions about their own pathway through their chosen programme and these students showed great maturity and creativity in their choices. Many identified electives which complemented their core degree. Architecture students, for example, chose elective modules in archaeology and Greek and Roman civilisation.

With these students successfully enrolled to their modularised studies, the focus of the modularisation initiative centred on the extension of *UCD Horizons* to include the majority of stages within undergraduate programmes and the majority of postgraduate programmes.

The cornerstone of this effort was the development of 3,300 modules, structured into majors or minors within programmes. The detail of each module was articulated in terms of academic content, learning outcomes and assessment methodologies and this information was published online - a first for any Irish university.

At the postgraduate level, over 200 programmes were modularised in the period under review, encompassing the majority of taught postgraduate students. In addition, a new structure for thematic PhD programmes was introduced, allowing doctoral students access to, and credit for, taught modules at various levels.

By the end of June 2006, students were able to browse online through the detail of their newly modularised programmes prior to enrolling via the custom-built online enrolment system. This system brought together fee payment, accommodation booking and module selection. It allowed students to configure their own timetable by choosing all of the components of their degree - core, option and elective modules online. The provision of this level of information online to students made UCD unique amongst Irish universities.

The programme of activity engaged in by the university to advance its modularisation and semesterisation objectives has been significant. This has involved enormous effort from academic, administrative and technical colleagues. The Vice-Principals for Teaching and Learning, Chairs of Programme Boards, Directors of Graduate Schools and School Heads of Teaching and Learning offered essential academic leadership.

A number of administrative areas excelled in providing consistent and dedicated support to both staff and students as regulations, processes and procedures changed to reflect the new academic governance and modular programme structures. These included, among others:

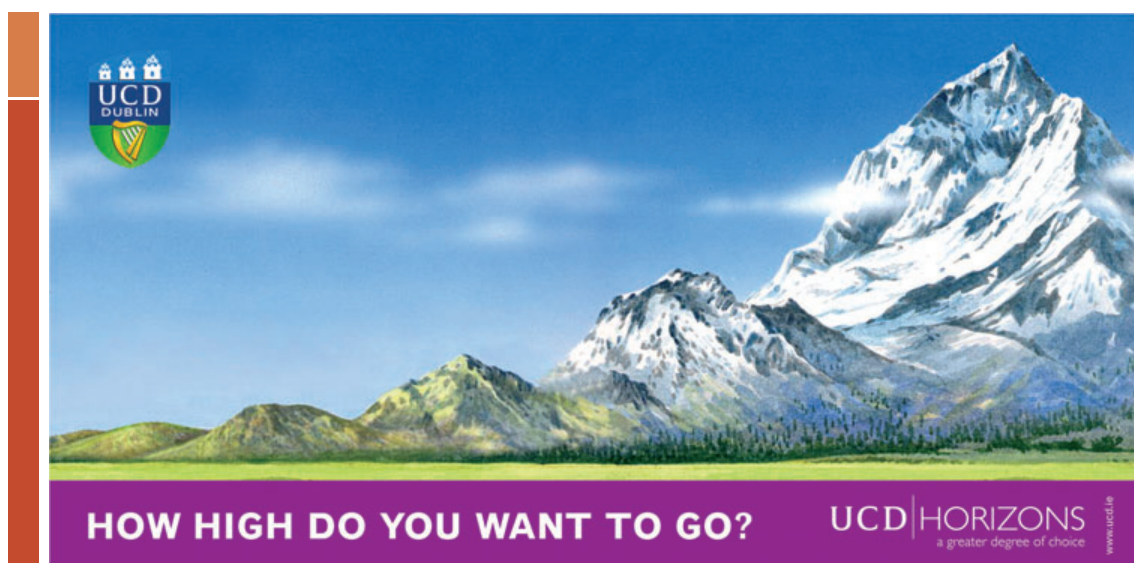
- The new UCD Programme Offices;
- The Modular Operations Team;
- The Student Services Desk;
- The Assessment and Logistics Team that supported a revised grading process and assessment procedures.

All worked together to deliver an ambitious and ultimately successful strategy.

MODULAR ASSESSMENT REVIEW

A review of modular assessment in Semester I of the 2005/06 academic year highlighted high levels of satisfaction among students and represented a sound endorsement of modularisation.

In particular, over 85% of those surveyed stated that having modules completed and assessed within the same semester reduced exam stress. Students also reported that the assessment of modules during the semester placed an increased significance on lecture attendance and completing assignments. Students also welcomed the feedback and reassurance provided by regular and continuous assessment.



UCD Horizons poster



FUTURE OBJECTIVES

Modularisation will be extended to all remaining programmes so that in the academic year 2007/08 each student, whether a first year undergraduate or on a structured doctoral programme, will enjoy the full benefits of studying in a modular, semesterised framework.

The administrative systems and support required for the successful delivery of a modular curriculum continue to be a challenge. The many administrative offices involved have delivered new systems and adapted old ones: the further refinement and streamlining of such systems is a priority for the next year.

Plans are also underway to widen participation in higher education through the development of credit-based progression pathways for adult learners and part-time students into the modular degree structure.

In line with UCD's strategic imperative to achieve excellence in teaching and learning, the implementation of a modular framework now provides the transparency at module and programme level to enable further engagement in curricular reform and development. 2006/07 will see a strong emphasis on supporting and incentivising teaching quality and assessment innovation. Student feedback on all aspects of modular study will be an important feature of programme review during 2006/07.

At School, College and programme level, the increased management information now available as a result of modularisation will facilitate informed decision making on the strategic direction of programmes and the resources required to maximise their successful delivery.

Through *UCD Horizons* 60% of students chose to deepen their knowledge and signed up for electives within their core area of study. 40% chose to spread their knowledge, and chose electives not directly related to their main areas of study.

The most popular modules chosen as electives are shown in the table below.

POPULAR CHOICES	
Module	Number of first year students
Psychology	253
Applied Languages	244
Computer Science	101
Law	100
Business Management	95
Planning and Environmental Policy	89
French	89
Sports Management	86
Politics	73
History	61
Philosophy	59
Accounting	52
Information Studies	52

STUDENT RECRUITMENT AND NEW PROGRAMMES

Clear objectives have been set to make UCD the university of choice for the best and brightest students. As part of a coherent, tightly coordinated student recruitment plan, the university has been working hard to:

- Increase the quality and number of contacts with individual prospective students;
- Increase the quality and level of information available to the individual student and their advisers.

PROGRESS TO DATE

After three years of falling CAO first preferences there was an increase of over 10% in CAO first preference applications in 2006.

The curriculum reform and the launch and marketing of *UCD Horizons* played a significant role in this increase. The first cohort of students responded enthusiastically to the opportunities presented.

The appointment of a Director of Student Recruitment, Anne-Marie Harvey, represented a further step towards more externally focused communications. The new Director is focused on reaching out to a broader range of prospective students - meeting with them, listening to them and explaining what UCD offers and how it differs from other universities.

The traditional 'Open Day' events were given a fresh new look, with an additional event being held for the first time in December. 4,500 prospective students attended this event, which combined with a further 15,000 attendees in March accounted for an impressive footfall on campus.

For the first time, UCD engaged in personal written communication with all undergraduate applicants. Prospective students were thanked for their interest in UCD and invited to contact the university to discuss their application. This was backed up by a specially designed website which provided these prospective students with a range of information to help them make their choices, including content on programme details, accommodation and campus life.



Student
Ambassadors

STUDENT AMBASSADORS PROGRAMME

'It is all about hearing the experience from someone you can relate to.'

UCD has appointed Student Ambassadors to represent all of its potential student groups: undergraduate, postgraduate, international, mature and access students. The Ambassadors offer personalised campus tours, giving prospective students an opportunity to come along and experience life at the university. The 90 minute sessions include presentations, a tour of a student's apartment and a visit to the Students' Union as well as a complimentary lunch and a chance to meet other prospective students. UCD is the first university in Ireland to offer this type of programme, which is widely utilised in universities in the United States and United Kingdom.

NEW PROGRAMMES

UCD offered 11 new programmes in 2006. Among the new Honours Bachelor Degree programmes in high demand were:

- BSc Biomedical, Health and Life Sciences
- BCL Civil Law with Politics
- BCL Civil Law with History
- BS Integrated General and Children's Nursing
- BSc Neuroscience

INTERNATIONAL STUDENT ACTIVITY

In the academic year 2005/06, the number of international students attending UCD was approximately 3,250, an increase of 8% from 2004/05. These students came from 110 different countries, exceeding the 102 different countries represented in UCD in the previous academic year. Since 2000/01, there have been noticeable increases in the number of students from Canada, China, France, Germany, Great Britain, India, Malaysia, Nigeria and the United States.



The International Office has continued its policy of encouraging outward student mobility by developing the range of opportunities on offer for UCD students to study

abroad. In 2005/06, 298 UCD students studied abroad as part of the Erasmus programme while 75 students studied abroad on non-EU exchange agreements in Australia, Canada, Chile, Japan, Hong Kong, New Zealand and the United States. One notable development was the funding received from an Irish business person in South Africa to sponsor a postgraduate student exchange in the area of political science with the University of Cape Town.

PROGRESS TO DATE

In June 2006 UCD joined Universitas 21, a major international network of over 20 research-led universities in the United States, United Kingdom, Canada, Mexico, Sweden, China, Korea, Singapore, Australia and New Zealand. Universitas 21 will provide UCD students and staff with a wide range of mobility options, collaborative research initiatives, joint academic programmes and significant best-practice benchmarking opportunities. Membership of this consortium will allow UCD to be at the forefront of developments in the internationalisation of higher education and will significantly raise the profile of the university through association and collaboration with some of the world's finest research-led universities.

In mid 2006 UCD appointed a Director of International Strategy and Operations, Dr Erik Lithander. He will be responsible for the development and implementation of

International students at a welcome reception





International students at a welcome reception

UCD's International Strategic Plan, which is being prepared in consultation with Colleges, Schools and senior management. The International Strategic Plan will give direction to UCD's endeavours in areas such as international student recruitment and care, and the provision of high-quality student and staff mobility opportunities. It will also guide the promotion and support of the university's international research capabilities as well as the international positioning of UCD through bilateral and multilateral institutional partnerships with universities, overseas governmental agencies, funding bodies, scholarship providers and non-governmental organisations.

FUTURE OBJECTIVES

A focal point for the 2006/07 period will be the implementation of the first stages of the International Strategic Plan. This will involve the agreement on a comprehensive institutional approach to international marketing and student recruitment, as well as the implementation of a range of initiatives which will position UCD as Ireland's premier international research university.

Efforts will continue to further expand the availability of high-quality international mobility opportunities for students and staff, and there will be opportunities for involvement in a range of Universitas 21 activities at all levels of the organisation.

UCD CENTRE FOR CHINESE STUDIES



UCD has continued the policy of developing its relationship with China. February 2006 saw the appointment of Dr Liming Wang as Director of UCD's new Centre for Chinese Studies. The Centre aims to work with government, business and academia in Ireland and China to create stronger educational, cultural and commercial links between Ireland and China. The university also launched a new four year undergraduate degree based in the UCD Quinn School of Business. This honours degree programme combines Business Studies with Chinese Studies. Students on the programme will spend their third year abroad with a partner university in China.

*Dr Liming Wang,
Director, Centre
for Chinese Studies*

CENTRE FOR TEACHING AND LEARNING

The Centre for Teaching and Learning exists to promote excellence and innovation in teaching at UCD.

The strategic priorities in the period under review included:

- Supporting the implementation of the university's modularisation programme;
- Encouraging and facilitating best practice in assessment;
- Supporting curriculum and pedagogical development;
- Expanding the use of the Centre's innovative model of peer-observation of teaching as an aid to continuous quality improvement.



PROGRESS TO DATE

The Centre played an important role in the implementation of modularisation, delivering workshops on the new modular curriculum and developing guidance on best practice in teaching and learning.

The Centre was particularly active in the area of assessment, developing innovative assessment practices and delivering a series of new workshops on modular assessment best practice. It also worked in association with Trinity College Dublin to conduct research into computer-aided assessment.

Problem-based learning was another area of focus. In addition to managing the design and delivery of specialist workshops, the Centre also hosted the first national training day on this topic.

Thirty members of the academic staff availed of the Centre's peer-observation of teaching process and two Schools started establishing their own versions of this scheme.

Staff also coordinated the national programme for the development of reusable learning resources in the areas of veterinary and bio-environmental science. They were also instrumental in establishing a national community of practice in this area.

FUTURE OBJECTIVES

The Centre aims to further develop its international standing. The focus of effort in the near future will be on:

- Introducing the results of the latest research in teaching and learning to UCD staff through workshops on best practice and case study dissemination;
- Expanding the use of the Centre's innovative model of peer-observation of teaching as an aid to continuous quality improvement;
- Expanding and developing programmes for postgraduate students with a teaching responsibility;
- Helping to develop an Irish community of scholars of third level teaching and learning through the medium of the Educational Developers in Ireland Network (EDIN);
- Contributing to the development of effective ways of recording and encouraging excellence in teaching – including an active contribution to the working group set up to evaluate teaching.

A background image showing three scientists in a laboratory. A woman in the foreground is wearing safety glasses and a lab coat, looking down at a piece of equipment. Behind her, two men are also wearing safety glasses and lab coats, looking towards the camera. The scene is dimly lit, with the primary light source coming from the equipment they are working on.

3

Towards a Research-Intensive University

Research is of fundamental importance to the work of a university. For UCD to continue to succeed it must define itself in a highly competitive environment as a university where bold and imaginative educational programmes and excellence in teaching go hand-in-glove with a commitment to the discovery process, research and innovation.

Research is the activity that drives innovation and discovery to fuel Ireland's knowledge economy. UCD is committed to becoming a leading research-intensive university dedicated to the search for knowledge and marked by a spirit of critical enquiry. It is also becoming an institution where the intensity of research and dedication to scholarship drives and stimulates teaching and learning, and inspires students.

Research grants and income depend largely on institutional reputation. UCD continues to build its reputation as a destination of choice for leading research talent, providing an environment in which research leaders can innovate and excel.

As a research-intensive university, UCD offers a wide range of top quality undergraduate and postgraduate student-centred learning, which combine quality research with the best teaching and learning methods.

St John's Eve: this image was created by Noreen Barron, formerly of the UCD School of Irish, Celtic Studies, Irish Folklore and Linguistics and was overall winner of the UCD Images of Research Competition



Research Funding

Internal Schemes in Support of Research

- Strategic and Major Initiatives
- Seed Funding Scheme
- President's Research Fellowships
- Focus on Research

Research Awards

- Principal Investigator Career Advancement Awards
- President of Ireland Young Researcher Awards
- Walton Visitor Awards
- Images of Research
- UCD School of Agriculture, Food Science and Veterinary Medicine Record Funding

Research Achievements and Profiles

Fourth Level

UCD Research Institutes

- UCD Conway Institute of Biomolecular and Biomedical Research
- Centre for Synthesis and Chemical Biology (CSCB)
- Dublin Molecular Medicine Centre (DMMC)
- UCD Geary Institute
- UCD Humanities Institute of Ireland
- UCD Urban Institute Ireland
- UCD Mícheál Ó Cléirigh Institute

Innovation and Technology Transfer - NovaUCD

UCD strives to advance knowledge through cutting-edge research in an environment that encourages and attracts world-class researchers from across the disciplinary spectrum. UCD is forging exciting educational and research partnerships and collaborations with academic institutions, commercial organisations, NGOs and government thereby enhancing confidence in UCD as a destination for quality investment from the public and private sectors.

Under the stewardship of Professor Michael Ryan, Dean of Doctoral Studies and Postdoctoral Training, 2006 saw the groundwork completed for the establishment of five new Graduate Schools. UCD is now a national leader in fourth-level postgraduate education. The introduction of the Schools marks the growth and development of fourth-level education at UCD. There are currently approximately 6,000 students enrolled in postgraduate study in UCD, accounting for over 20% of the total student population.

The UCD Graduate Schools are closely linked with UCD's Research Institutes and will foster collaborative programmes with different sectors and with leading universities around the world. A scheme for enhanced postdoctoral training and career development is being put in place in association with the UCD Graduate Schools and the UCD Research Institutes.

RESEARCH PUBLICATIONS

Details of all research publications for the period of the Report are available online at

www.ucd.ie/research/publications

RESEARCH FUNDING

UCD has been successful in attracting significant increases in the volume and value of research contracts. In 2005/06 (October to September), UCD was awarded 664 contracts worth €82.9 million, an increase of a third over the previous year. The current level of proposals at 1,245 represents almost double the level of two years ago (see Tables 1 and 2).

In addition to the underlying normal grant activity, a number of major initiatives are underway including:

- The National Institute for Bioprocessing Research and Training (NIBRT): the total value of the award from IDA Ireland is €72 million and the funding agreement, which largely funds the building on the Belfield campus, targeted for completion in 2008, came into effect in June 2006. The NIBRT is a collaboration between UCD, TCD, DCU and IT Sligo;
- The National Digital Research Centre: a proposal to establish the NDRC (at a cost of €25 million) was awarded by the Department of Communications, Marine and Natural Resources to UCD and its partners TCD, DCU, NCAD and IADT Dun Laoghaire in 2006;
- UCD received almost €1 million from Servier Laboratories for a Chair in Molecular Pharmacology to develop a new programme in cardiovascular clinical

research. UCD Vice-President for Research Professor Des Fitzgerald has expressed his pleasure that UCD has secured so prestigious a figure as Adjunct Professor Eoin O'Brien to be the first holder of the Chair.

In the second year of the prestigious Science Foundation Ireland President of Ireland Young Researcher Award (PIYRA) two UCD researchers were recognised in 2005, making UCD the institution with the highest number of PIYRA awards to date. These highly competitive awards provide up to €1 million to researchers to establish their own team within five years of receiving their PhD. The aim is to help top-tier young investigators develop careers as internationally recognised researchers. This success reflects the efforts of many senior researchers in UCD, who identified potential candidates, selected the short-list and supported the applicants through the process.

TABLE 1 – RESEARCH AWARDS

Year (October to September)	Total Value Contracts Signed Including Contributions to Overheads (€ million)	Total Contributions to Overheads (€ million)	Total Number of Contracts Awarded (€ million)	Number of Proposals Submitted
2002/03	45.8	4.5	384	584
2003/04	49.8	5.6	405	685
2004/05	62.5	8.1	495	1,074
2005/06	82.9	11.8	664	1,245

TABLE 2 – FUNDING SOURCES

Funding Source	Number of Contracts	Value (€ million)
Science Foundation Ireland (SFI)	110	22.8
Department of Agriculture and Food	39	11.2
European Commission	36	8.6
Health Research Board (HRB)	37	8.1
Enterprise Ireland (EI)	55	6.7
Irish Research Council for Science, Engineering and Technology (IRCSET)	86	5.2
Irish Research Council for the Humanities and Social Sciences (IRCHSS)	22	1.6
Environmental Protection Agency (EPA)	24	4.3
Others	255	14.4

UCD INTERNAL SCHEMES IN SUPPORT OF RESEARCH



For the period of this report a total of €2.4 million was awarded to UCD staff to facilitate the pursuit of research objectives across a range of internal schemes. The range of schemes provides researchers, at all stages of their careers, with practical support for research projects and ideas that are challenging and ambitious. The schemes include the Strategic and Major Initiatives Scheme, the Seed Funding Scheme and the President's Research Fellowships.

STRATEGIC AND MAJOR INITIATIVES SCHEME

One of UCD's strategic aims is to encourage interdisciplinary research and cross-campus programmes that will see UCD compete for major funding opportunities. Now in its second year, the UCD Strategic and Major Initiatives Scheme continues to encourage large scale strategic proposals that are likely to attract funding in excess of €10 million. This year the Scheme supported the Liberty Group to fund the feasibility study for The National Digital Research Centre (NDRC). The NDRC is a pioneering centre in the software technologies and digital media sphere in Ireland; uniquely focused on translational research, addressing the gap between university research and commercialisation. The Centre will primarily deal with the digital media domain in the specific areas of health, education, environment and entertainment. NDRC's core aim is to develop commercially viable intellectual property, licences and start-ups.



SEED FUNDING SCHEME

Now in its second year, the UCD Seed Funding Scheme provides researchers with exciting opportunities for internal funding. The Scheme aims to provide seed funding to researchers at all stages of their career to transform new ideas from early concepts into viable research projects. Projects that can successfully compete for subsequent external support are, in particular, supported.

In the first round for 2006, 310 researchers submitted applications, 45% of whom received funding (See Table 3). The total amount of funding available has risen from €465,000 in 2005, to €1.2m (for the 2006 calendar year). The success of this year's round represents a significant increase in the number of researchers applying for internal project support and an even more significant increase in the funding available for research initiatives.

TABLE 3 - SEED FUNDING SCHEME 2005/06

Programme	No. of Awards	Amount Awarded €
Interdisciplinary Funding (2005 only)	6	46,000
International Collaboration (2005 only)	10	39,000
Horizon Scanning	32	255,377
Dissemination and Outputs	56	109,537
Enterprise and Commercialisation	4	27,606
Small Equipment Award (2006 only)	24	328,597
Internal and External Collaboration (2006 only)	37	386,589
TOTAL	169	1,192,706

PRESIDENT'S RESEARCH FELLOWSHIPS

The President's Research Fellowships facilitate members of the academic staff who wish to avail of a leave of absence for research purposes, normally spent outside Ireland, thus helping underpin the university's strategy. In the period 2005 to 2006, seven successful applicants were awarded a total of almost €345,000 (See Table 4).

TABLE 4 - PRESIDENT'S RESEARCH FELLOWSHIPS

Researcher Full Name	School	College	Project Title	Amount Awarded
Professor Thomas Brazil	Electrical, Electronic and Mechanical Engineering	Engineering, Mathematical and Physical Sciences	Broadband, Nonlinear Modelling and Simulation of Wireless Systems	€50,011
Dr Judith Devlin	History and Archives	Arts and Celtic Studies	The Stalin Cult: Propaganda and Power in 20th Century Russia	€50,011
Dr Peter Duffy	Mathematical Sciences	Engineering, Mathematical and Physical Sciences	The Plasma Astrophysics of Relativistic Jets	€46,011
Dr William Gallagher	Biomolecular & Biomedical Science/ UCD Conway Institute	Life Sciences/ UCD Conway Institute	Breast Cancer Metastasis: Biomarkers and Functional Mediators	€50,011
Dr Fran O'Rourke	Philosophy	Human Sciences	Influence of Aristotle and Aquinas on James Joyce	€50,011
Dr Anthony Roche	English and Drama	Arts and Celtic Studies	Brian Friel's Irish Drama: Postnational, Postcatholic, Postcolonial	€48,311
Dr John Walsh	Geological Sciences	Engineering, Mathematical and Physical Sciences	Earthquake Clustering over Geological Timescales: Analysis and Modelling of Active Fault Systems from New Zealand	€50,011
TOTAL				€344,377

FOCUS ON RESEARCH

A new series of lunchtime sessions, Focus on Research, has been initiated to enable the Vice-President for Research and his team to meet and consult with the UCD research community. Typically the agenda for the sessions is broad and small numbers attend to enable an interactive discussion on research topics of common interest. The Focus on Research sessions are proving to be an effective consultative platform from which a deeper understanding of the issues, concerns and opportunities for research in UCD can be gained.

RESEARCH AWARDS

SFI Principal Investigator Career Advancement (PICA) Award

The PICA award is made to Irish-based researchers demonstrating scientific excellence who have interrupted their careers to take parental or other leave. In the inaugural year, three of a total of ten awards were made to UCD researchers - Dr Debra Laefer UCD School of Architecture, Landscape and Civil Engineering; Dr Orina Belton, UCD School of Medicine and Medical Sciences and the UCD Conway Institute and Dr Trudee Fair, UCD School of Agriculture, Food Science and Veterinary Medicine.

SFI President of Ireland Young Researcher Awards (PIYRA)

Two UCD researchers were among five recipients to receive over €4 million under the scheme. Launched in 2004, the PIYRAs highlight the critical roles played by innovative young researchers in developing contemporary research and education programmes for Ireland. UCD is the only Irish institution to have been awarded more than one award for the second year running.

PRESIDENT OF IRELAND YOUNG RESEARCHER AWARDS

Dr Jarlath E Nally

RESEARCH TITLE : *Characterisation of the proteome and transcriptome of *Leptospira* during acute and chronic infection*

Dr Nally, UCD School of Agriculture, Food Science and Veterinary Medicine, was awarded €700,000 over a five-year period to fund his work on the pathogenesis of infectious diseases.

Approximately 25% of 57 million annual deaths worldwide are the direct result of infectious disease (WHO). In order to provide effective preventative vaccine and diagnostic strategies, it is critical to understand how infectious agents cause disease. Leptospirosis is the most geographically widespread zoonotic disease in the world, capable of infecting wild and domestic animals species, as well as humans. Dr Nally's research on the causative agent of leptospirosis (*Weil's disease*), *Leptospira Interrogans*, provides novel strategies to design safe vaccines. Research results also provide for the development of vaccines against other bacterial pathogens causing acute and chronic disease in populations throughout the world.



Dr Jarlath E Nally and President Mary McAleese



Dr Scott Rickard and President Mary McAleese

Dr Scott Rickard

RESEARCH TITLE : *Time-frequency/time-scale analysis, sparse signal representation theory, and finite field theory for signal processing applications*

Dr Rickard, UCD School of Electrical, Electronic and Mechanical Engineering, was awarded nearly €1 million over a five year period to fund his work on the application of time-frequency/scale analysis and sparse methods to problems in signal processing and information theory.

Dr Rickard's research for the past several years has focused on solving the 'cocktail party problem', which enables a computer to separate out one speaker from a noisy mixture of speakers. His solution, which is capable of separating ten speakers from a stereo mixture, has clear applicability in hearing aids and has applications in mixing systems such as separating the individual valve closing sounds from heart sounds, separating individual wireless signals to aid mobile phone communication, and separating SONAR signals from multiple sonobuoys for aiding underwater mapping.

In addition to his work on source separation, his PhD thesis at Princeton University developed new models of the changing communication path between mobile wireless transmitters and receivers. He is currently working on using these models to increase the reliability and data rates of mobile wireless communication systems. Dr Rickard is also keenly interested in science, mathematics and engineering education at all levels; he is co-founder of www.sciencewithme.com and co-creator of www.roborugby.org



Walton Visitor Awards

UCD was awarded two Science Foundation Ireland ETS Walton Visitor Awards which enable highly qualified academic and industrial researchers resident outside Ireland to carry out research projects of their own choice in Ireland. The ETS Walton Visitor Award was established to honour and perpetuate the legacy of Ireland's 1951 Nobel laureate in physics; the aim of the programme is to strengthen Ireland's connections to, and collaborations with, the international research community thereby enhancing Ireland's reputation and culture as a home of first-class research.

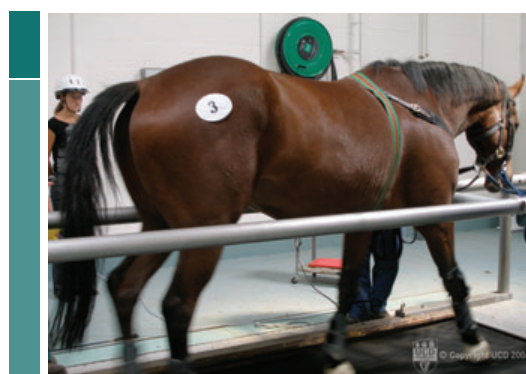
Lynn Ten Eyck, of the University of California, San Diego, under the sponsorship of Dr Jens Erik Nielsen, UCD School of Biomolecular and Biomedical Science, is focusing on *Modeling Protein Structural Variability*. Sara Linse, of Lund University, Sweden, under the sponsorship of Professor Ken Dawson, UCD School of Chemistry and Chemical Biology, is examining *Protein Interactions with Nanoparticles and in Cellular Signalling*.

Picture This... UCD Images of Research Competition

A UCD image competition that aimed to find the most innovative and imaginative research images from across the entire university was launched in March 2006. The competition was open to all in the research community, including researchers, academics, postdoctoral students, postgraduate students and research technicians. The competition encouraged everybody involved in research in UCD to submit compelling images created in the course of their research. Over 420 images were submitted to the competition with entries from all Schools and Research Institutes. Images will be used widely throughout the university to profile and promote the range and diversity of research taking place.

Record Funding for UCD School of Agriculture, Food Science and Veterinary Medicine

In a year of unprecedented funding success, the UCD School of Agriculture, Food Science and Veterinary Medicine obtained major research funding from a range of agencies and funding bodies including the Department of Agriculture and Food (FIRM and Research Stimulus), Science Foundation Ireland, Enterprise Ireland, EU Sixth Framework Programme, Environmental Protection Agency, Teagasc and commercial companies. In line with the national strategy to increase the number of trained postgraduate researchers, the School is in the process of recruiting upwards of 60 researchers, at postgraduate and postdoctoral level, across the thematic areas of animal science, food and health, pathobiology of disease, sustainable agriculture and veterinary clinical studies.



This image of a thoroughbred racehorse on a high speed treadmill prior to a performance evaluation was created by 2004 PIYRA winner, Dr Emmeline Hill, UCD School of Agriculture, Food Science and Veterinary Medicine and was submitted to the UCD Images of Research Competition

RESEARCH ACHIEVEMENTS

The *Oxford Glycan Sequencing Group* moved to UCD from Oxford University in August 2006 to kick-start the ambitious research and training programme of the newly founded National Institute for Bioprocessing Research and Training (NIBRT). This exciting development allows the formation of the Dublin-Oxford Glycobiology Laboratory and enables the group to expand its academic research and technology base, forming part of a glycobiology network for Ireland. The group will be led by Dr Pauline Rudd who will be the first NIBRT Professor to establish a research group in the NIBRT. In the last 10 years the Oxford Group has published more than 125 papers and has filed three patents. Its pioneering work has provided state-of-the-art technology for glycan analysis that is now used by many laboratories worldwide. Dr Rudd is the first of seven Principal Investigators to start at the NIBRT which aims to offer world-class training for scientists in industry and academia.

Maria McNamara
undertaking
fieldwork in
northeastern Spain



An international research team, including postgraduate student *Maria McNamara*, UCD School of Geological Sciences, has extracted the first ever example of fossilised bone marrow from frogs and salamanders that died over 10 million years ago. The ground breaking discovery, reported in an article published in *Geology* - the Journal of the Geological Society of America, occurred while Ms McNamara was examining the fossils for the preservation of other soft tissues. Fortuitous fractures of the bones during the collection and archival process had exposed the marrow. Other exhumed fossils which may contain fossilised marrow may have been overlooked because the

bones would have to be broken apart to expose it. The ancient bone marrow, discovered in the 10 million year old fossilised frogs and salamanders, was preserved in three dimensions as organic residue, retaining its original texture and red and yellow colour.

Dr Muiris O'Sullivan, Head of the UCD School of Archaeology was the author of a significant new book *Duma na nGiall, Tara, The Mound of the Hostages*. The book describes the archaeological excavations at the Mound of the Hostages (Duma na nGiall) on the Hill of Tara, Co Meath in the 1950s which was led by Seán P Ó Riordáin and Ruaidhrí de Valera and is the result of fifteen years of investigation into the findings stored in the School. Dr O'Sullivan's book is the first comprehensive report on the findings which range from about 3500 BC.

The *UCD School of Archaeology* also completed a significant Foresight Report titled *Archaeology 2020: Repositioning Irish Archaeology in the Knowledge Society*. The report addressed the central issue of concern in Irish archaeology, the lack of connection between the vast amount of information generated and the key purpose of archaeology which is the creation of knowledge and understanding about the past. The report was informed by a consultative forum of decision makers and prepared by Professor Gabriel Cooney, Dr Muiris O'Sullivan and Dr Liam Downey, Honorary Research Fellow.

Dr Malgorzata D'Aughton was employed by the UCD Mícheál Ó Cléirigh Institute in 2004 to compile an exhaustive catalogue of material artefacts especially chalices and other liturgical plates relating to the Irish Franciscans. Her mission was to identify, photograph and catalogue extant materials dating from before 1829. Based on Dr D'Aughton's survey the Institute applied for funding of €220,000 from the IRCHSS to build on the rich outcome of her work. In December 2005 the Institute received that funding for a two year programme to identify, catalogue and photograph material relating to all of the orders of friars and mendicant nuns in Ireland. Dr D'Aughton and Dr Colmán Ó Clabaigh OSB are working with Dr John McCafferty (UCD) and Ragnall Ó Floinn Keeper of Irish Antiquities, National Museum of Ireland on this exciting project. Preliminary results

indicate sophisticated and distinctive Irish metalworking workshops which were supported by wealthy Catholic patrons in the first half of the seventeenth century. Projected outcomes include a searchable database, publications and conferences which will be considerable additions to the growing interest in the visual culture of medieval and early modern Ireland.

Professor James Heckman, University of Chicago and winner of the Nobel Prize for Economics (2000) took up his appointment as UCD Professor of Science and Society in June 2006. Professor Heckman has taken a very strong interest in the economic benefits of investment in early child wellbeing and his work shows that the early childhood environment has a direct influence on the subsequent economic success of that child into adulthood. Professor Heckman's work provides compelling, rigorous and quantifiable evidence for policy development and his appointment enables the coalescence of research taking place in the UCD Geary and UCD Conway Institutes. It is an exciting development for UCD that places scientific research in the context of today's society.

Dr Gareth Dyke, UCD School of Biology and Environmental Science, is leading an international consortium of researchers along with an international research team in the deployment of lasers over a remote area of Kazakhstan to significantly extend the search for dinosaur fossils. The research involves a collaboration between experts in Kazakhstan and Ireland and utilises

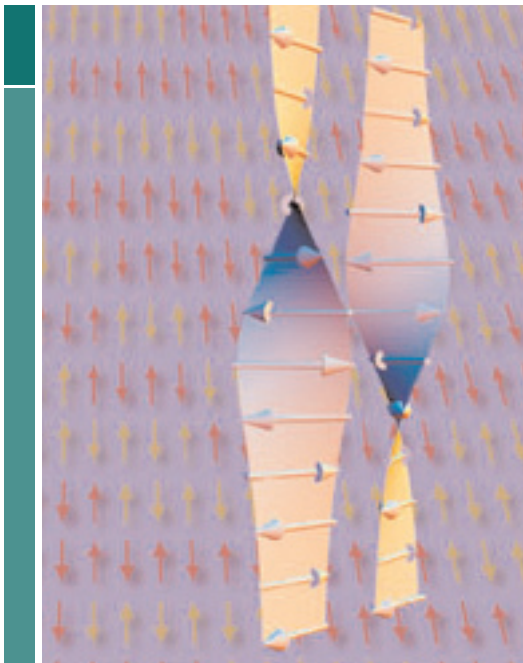
technology developed by Intune Technologies, an Irish technology company established by a group of UCD engineering postgraduates. The project harnesses advanced laser technology and image analysis to survey rocks 90 million years old with the hope of uncovering new species of dinosaur. Dr Dyke has been conducting fieldwork in Kazakhstan for the past four years and has previously found a small well-preserved new species of dinosaur.

Dr Kevin O'Connor and his research team from the UCD School of Biomolecular and Biomedical Science, and the Centre for Synthesis and Chemical Biology (CSCB) have transformed non-environmentally friendly polystyrene foam into reusable, biodegradable plastic. A paper published in the American Chemical Society Journal *Environmental Science and Technology* describes how a combination of chemistry and microbes can facilitate the transformation. A technique called pyrolysis is employed which uses heat in a vacuum to break down the plastic into crude pyrolysis oil. The oil is then fed to a bacterium and these tiny microbes transform it into a biodegradable heat-resistant plastic that can be used in a variety of forms ranging from plastic bottles to surgical parts. The conversion of polystyrene to a biodegradable plastic is doubly beneficial to the environment as it reduces refuse and produces a plastic that can be added to the compost heap, thereby assisting the carbon cycle. Dr O'Connor's team is currently concentrating on increasing the yield of the PHA plastic.



Dr Gareth Dyke and Dmitry Malakahov, Geological Institute of Kazakhstan, excavating the fossil of a newly discovered species of theropod dinosaur. The fossil is being studied further in Dublin before being returned to Kazakhstan

Dr Hans-Benjamin Braun published a paper in *Nature Physics* on quantum fluctuations leading to the emergence of chirality in spin matter



Dr Hans-Benjamin Braun, UCD School of Physics, and his research team published an article in *Nature Physics* based on the findings that handedness or 'chirality' is an emergent property of quantum matter. The question how such handedness emerges in matter has been fascinating scientists since Pasteur's discovery of chiral molecules. An editorial accompanied the article outlining the significance of the research results, which were described by the Journal as being 'of great importance'. Dr Braun and his research team have identified a system that demonstrates the emergence of chirality in a quantum magnet. In an effort combining both theory and neutron scattering experiments at the world's most powerful neutron source in Grenoble (France), the researchers identified a model system that allowed them to obtain direct experimental evidence of how chirality emerges in a disordered quantum magnet. The results shed new light on enigmatic systems of complex quantum matter such as high transition temperature superconductors and have implications for the development of quantum computing and spintronics.

Professor Mary Daly, College Principal in the UCD College of Arts and Celtic Studies, with Dr Catherine Cox in the UCD School of History and Archives, received a Wellcome Trust Strategic Enhancement Award worth €400,000 to undertake a study on the history of medicine in Ireland. The award will allow the further development of medical history in Ireland as an established discipline and increase its profile as a research topic. The study will be conducted in partnership with Professor Greta Jones at the University of Ulster which will ensure that the research has an all-Ireland and cross-border dimension. Initial research will concentrate on the nineteenth and twentieth centuries, focused on medical practices and practitioners with allied projects on child health, birth control and maternal health. The research will examine the organisation and development of medical professions, the survival of alternative medical practices, the growth of medical specialities, and how health care was delivered from the eighteenth to the twentieth century. It will also examine the differences that existed north and south of the border, and the effect that general life and conditions in Ireland had on the development of medicine.

The *Applied Neurotherapeutics Research Group* (ANRG) at the UCD Conway Institute won first place for Best Partnership Alliance with Wyeth Research at the International Scrip Awards, for their co-operative work on brain illness treatments. The ANRG research cluster, which is funded jointly by SFI and Wyeth Research to the tune of €10 million, forms a unique, world-class team of scientists focused on building a research and development initiative to provide a new generation of drugs to be used in the treatment of brain disease. This interdisciplinary group of scientists is coordinated by Professor Ciaran Regan and is supported by Wyeth Discovery. This unique academic-industry interface significantly contributes to Ireland's growing reputation as a science-based society and prime biotechnology investment region.

FOURTH LEVEL

UCD has the greatest number of postgraduate students of any university in Ireland. In 2005/06, the postgraduate student population was over 20% of the overall student population. Separate to taught postgraduate programmes, the PhD and research Masters programmes make up a very significant proportion of the postgraduate population (32%).

UCD's Strategic Plan envisages that the university should be a national and European leader in postgraduate education. Realising this goal is key to the further development of UCD as a research-intensive university, to the vibrancy of our academic community and to the success of Ireland as a knowledge society.

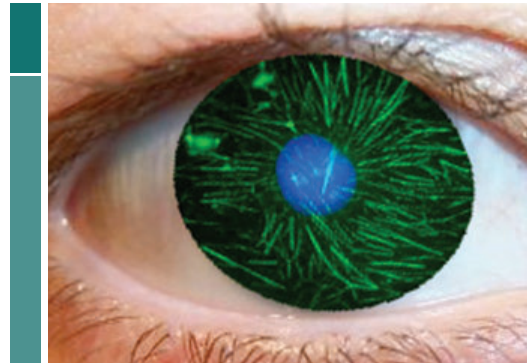
PROGRESS TO DATE

2005/06 has seen major developments in fourth-level (postgraduate) education at UCD. The Office of Postgraduate Studies was reorganised under the leadership of the Dean of Doctoral Studies and Postdoctoral Training - Professor Michael P Ryan. Five new Heads of Graduate School were appointed. These were:

- UCD Graduate School of Arts & Celtic Studies - Professor Gabriel Cooney;
- UCD Graduate School of Business & Law - Professor John Geary (Director of Doctoral Studies);
- UCD Graduate School of Engineering, Mathematical & Physical Sciences - Professor Julie Berndsen;
- UCD Graduate School of Human Sciences - Professor Ben Tonra;
- UCD Graduate School of Life Sciences - Professor Alan Baird.

During the year, detailed planning and design for graduate education in UCD was undertaken. Arising from this, new governance structures and PhD regulations were developed and approved by the Academic Council.

The introduction of the five new dynamic UCD Graduate Schools marks the growth and development of fourth-level education at UCD. They are closely linked with UCD's Research Institutes and will foster collaborative programmes and arrangements with different sectors outside the university and with leading universities around the world. The key strategic objective of the UCD Graduate Schools is to establish the UCD research Masters and the PhD as premier research training programmes and to enhance the reputation of existing graduate and researcher training in UCD's Schools.



This Image of a retinal pericyte was taken by doctoral student John Browne, UCD School of Medicine & Medical Science and the UCD Conway Institute

The guiding principles underpinning the Graduate School vision involve a programmatic approach, rewards and incentives, interdisciplinarity, lifelong learning and strong external linkages that add value.

NOTABLE ACHIEVEMENTS

The UCD Ad Astra Research Scholarships were created to launch the Graduate Schools. The Scholarships attracted very high quality applications and over 100 Ad Astra Scholarships were awarded.

UCD PhD graduates and UCD postdoctoral fellows now have a favoured status with the University of Pennsylvania (UPenn) as it pilots a programme to recruit postdoctoral fellows from leading universities.

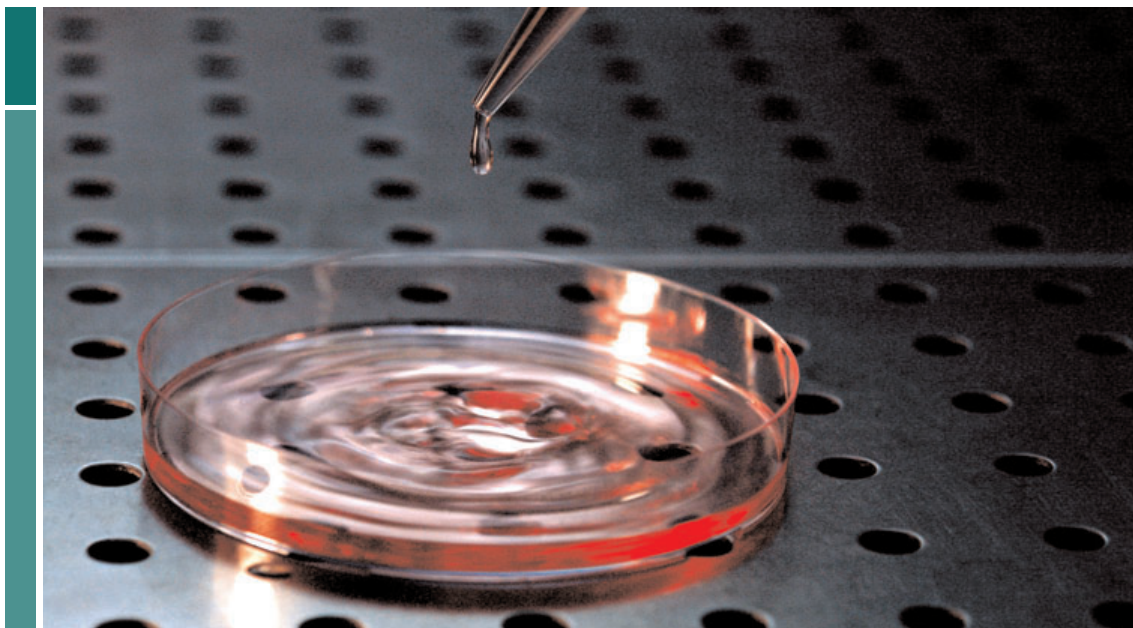
A major research university, UPenn currently has 800 postdoctoral fellows, 500 of whom are international. As the only Irish university in the UPenn programme, UCD is in the company of other leading international institutions including Oxford University, Leiden University and Tokyo University.

FUTURE OBJECTIVES

A major plan is being developed to internationalise, to a much greater extent, graduate education in UCD. Plans are in train to enhance scholarships for UCD-China exchanges. UCD also plans to establish graduate exchange programmes and develop joint PhD programmes with members of Universitas 21 and Groupe Maastricht. Arrangements are also being put in place to develop exchange graduate programmes with some leading universities in the US.

UCD RESEARCH INSTITUTES

Drop of Life: Image created by Xiaoxiao Chen, UCD School of Biomolecular and Biomedical Sciences for the UCD Images of Research Competition



The seven research institutes at UCD offer state-of-the-art facilities, technology platforms and a critical mass of researchers and academics.

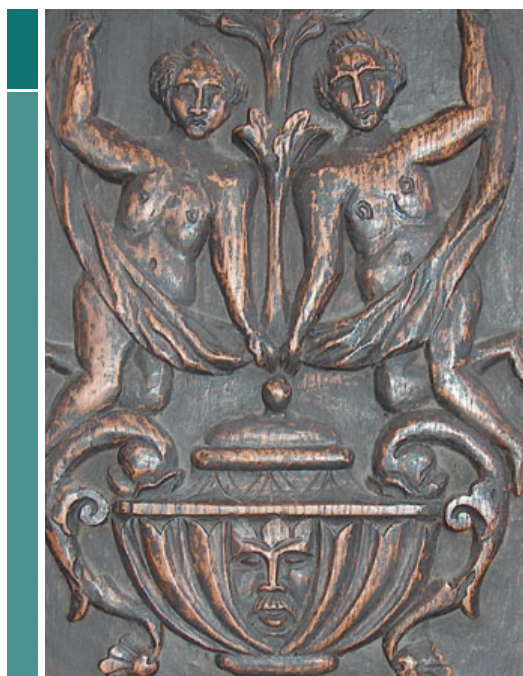
Among them is the UCD Conway Institute, Ireland's leading biomedical research centre. Providing a patient-oriented platform for translational 'bench-to-bedside' medicine, the UCD Conway Institute has raised over €30m in peer-reviewed grant income in the past year.

This image detailing an oak chair dated 1629 and used by Franciscan friars in Dublin's Adam and Eve's Tavern during Penal times was taken by Malgorzata D'Aughton as part of the UCD Mícheál Ó Cléirigh Institute digital archives

The Centre for Synthesis and Chemical Biology is a collaboration in the chemical sciences between UCD, TCD and the RCSI. The UCD Geary Institute promotes excellence in the social sciences through frontier methods of investigation and close interaction with policymakers; in the past year it has raised over €2.2m in external research funding from major peer-reviewed sources and private philanthropy.

The Dublin Molecular Medicine Centre is a collaborative partnership in the biomedical sciences. The UCD Humanities Institute of Ireland is implementing a series of interdisciplinary research programmes. The UCD Urban Institute Ireland is a major European institute for the development of new technologies, policies and ideas designed to improve the quality of the working and living environment.

The UCD Mícheál Ó Cléirigh Institute continues the tradition of learning in Irish history established by the Irish Franciscans.



UCD CONWAY INSTITUTE OF BIOMOLECULAR AND BIOMEDICAL RESEARCH

The UCD Conway Institute currently has 138 Conway investigators. Together with their associated teams of approximately 320 postgraduate students and 150 postdoctoral fellows, they comprise a research community of some 600 people.

€30.2 million in peer-reviewed grant income was awarded to Conway investigators during the year in review. In terms of technology transfer, there were nine invention disclosures, four patent applications and one licensing agreement lodged by Conway investigators. Up to August 2006, 59 PhD and 23 Masters' thesis submissions were made by postgraduate students affiliated to Conway investigators.

Strategic objectives of the UCD Conway Institute are to:

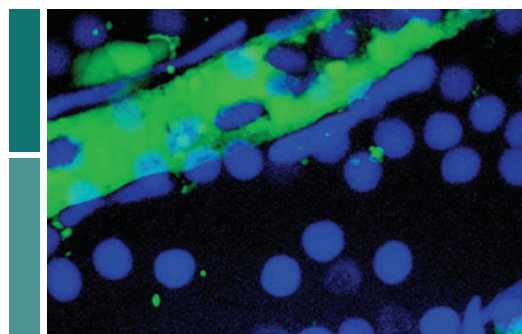
- Establish a world-class 'Centre of Excellence' in the biosciences at UCD within 10 years with success being measured by internationally accepted research outcomes;
- Provide effective governance, management and advisory structures to underpin scientific excellence, collaborative research, discipline integration, protection of intellectual property and fast-tracking of discoveries to bio-industry;
- Offer leadership in achieving the wider strategic objectives of the university in the areas of research, teaching and technology transfer in the life sciences;
- Achieve innovation through co-operation and partnership at local, national and international level with academic, healthcare and commercial partners.

PROGRESS TO DATE

In February 2006 the Centre for Synthesis and Chemical Biology (CSCB) building was formally opened by An Taoiseach, Bertie Ahern TD.

In March 2006, UCD Conway Institute Biotechnical Services was launched as a specific pathogen free (SPF) breeding, holding and research centre. The facility will be integral to the ability of the Institute to develop its own transgenic creation capability.

In April 2006, An Tánaiste, Mary Harney TD opened the UCD Genome Resource Unit at the Mater Misericordiae University Hospital.



This image of eye veins was created by UCD Conway doctoral student, Yolanda Alvarez and won third prize in the UCD Images of Research Competition

In a joint UCD Conway/UCD Geary initiative, Professor James Heckman, Nobel Laureate in Economics (2000) was appointed to the Chair of Science and Society. This appointment has seeded discussions between the two institutes to explore areas of collaboration such as health economics.

The Wyeth Research Ireland Laboratories were established with assistance from IDA Ireland. Dr Simon Hufton was appointed by Wyeth Laboratories to lead the initiative at the UCD Conway Institute. Ultimately, twelve scientists will be employed in the facility.

The UCD Conway Board was restructured and is chaired by Professor Des Fitzgerald, Vice-President for Research in UCD. The management team was replaced by two separate teams; an operational team comprising Professor Janet Allen, Director and members of the directorate staff and an executive team to manage academic issues as well as defining and implementing the strategic direction for UCD Conway Institute.

A series of internal research focus workshops was initiated to explore the relationship between traditional and non-traditional biological science disciplines anticipated to have a future research impact on biological sciences.

NOTABLE ACHIEVEMENTS INCLUDED:

- Professor Alan Keenan was awarded the Conway Medal by the Royal Academy of Medicine in Ireland;
- Professor Ciaran Regan, Dr William O'Connor and Dr Keith Murphy along with their colleagues in the

Pictured at the inaugural intervarsity science communications event *Science Speak* are Dr Austin Mescal, RDS President, Stephen Nolan, UCD Conway Institute, Winner 2006, Mary Upton TD and event host, Pat Kenny



Applied Neurotherapeutics Research Group (ANRG) received the prestigious International SCRIP Award for Best Partnership Alliance in December 2005, in recognition of the research partnership between academic and pharmaceutical industry partner, Wyeth Laboratories;

- Professor Therese Kinsella was elected to the Royal Irish Academy;
- Stephen Nolan, UCD School of Biomolecular and Biomedical Science and UCD Conway Institute took first place in *AccesScience '06* for his presentation on kidney disease: *When Good Cops go Bad*. Stephen represented UCD at the *RDS Irish Times Science Speak* - the inaugural intervarsity science communications event hosted by Irish Universities Promoting Science - and won the competition with his presentation;
- Aidan Farren, a 5th year pupil from Scoil Mhuire in Buncrana was overall winner in the *AccesScience '06* poster competition with his entry, '*DNA Professor*'. This was displayed on DART trains and in stations as part of the joint UCD Conway/Iarnród Éireann Science Track poster series;
- Conway investigators delivered a series of seminars as part of the UCD Conway *Science4Schools* outreach programme. Lectures such as *Cancer Uncovered* by Dr Amanda MacCann and *The Great Brain Drain - Science of Addiction* by Dr Jana Haase aim to complement the biology and chemistry secondary school syllabi;
- A week long structured programme of transition year work placements took place in January 2006 as part of *Science4Schools*. Over 65 applications were received and 15 students from 15 schools were selected;
- *ScienceWorks* included 180 transition year pupils from eight secondary schools across Dublin taking part in a four week long series of science workshops.

FUTURE OBJECTIVES

Postgraduate education

The UCD Conway postgraduate programme is in the process of being modularised and accredited as part of the new structured PhD programme.

Systems Biology

UCD Conway Institute is leading the approaches at UCD to find ways to integrate biological sciences with applied mathematics and computer science to develop the new area of Systems Biology.

Appointments

Dr Brendan Loftus formerly at TIGR, Maryland, USA has been recruited back to join the UCD Conway Institute in December 2006 and has been awarded a large Science Foundation Ireland (SFI) grant to examine host pathogen interactions using a cross-platform approach combining informatics, comparative functional genomics and proteomics.

Professor Mike Keane (UCLA) was appointed as Professor of Medicine at St Vincent's University Hospital and will take up his appointment in summer 2007. His research interests in pulmonary fibrosis match the strategic developments at UCD Conway Institute in experimental medicine in the area of inflammation and its resolution.

As part of IRCSET's Enterprise Partnership Scheme, Hewlett Packard Galway is funding 12 PhD scholarships to undertake research in the intersection between computational science, high-performance computing, healthcare and life-sciences across Ireland over the coming years. This will form the core of a multi-institutional fourth-level programme in biomedical informatics developed by HP and UCD in partnership with Trinity College Dublin and the National University of Ireland, Galway.

COLLABORATION TO ENHANCE DRUG DELIVERY

A SFI Industry Research Supplement grant was made in October 2005 to Professor Cormac Taylor to facilitate research in association with Sigmoid Biotechnologies to develop an enhanced drug delivery system. Dublin-based Sigmoid Biotechnologies is developing a novel drug delivery technology, LEDDS, which will improve the effectiveness, safety and convenience of existing drugs and enhance next-generation drug development. The collaboration has the potential to generate innovative and powerful drug delivery concepts, leading to improved patient care, while at the same time promoting industry and academic research collaboration.

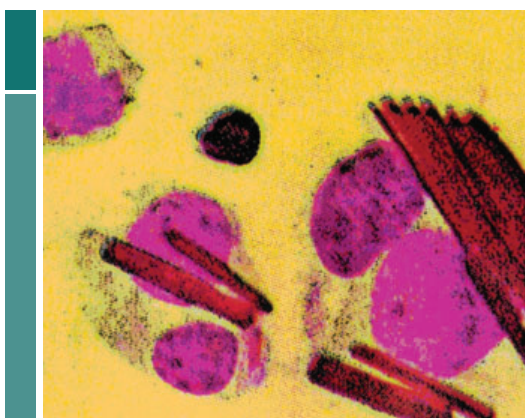
CENTRE FOR SYNTHESIS AND CHEMICAL BIOLOGY (CSCB)

The Centre for Synthesis and Chemical Biology (CSCB) is a collaboration in the chemical sciences between UCD, TCD and the RCSI. It has over 45 Principal Investigators and, along with their teams, comprises over 200 researchers. The UCD researchers (31 Principal Investigators) are from the Schools of Chemistry and Chemical Biology, Biomolecular and Biomedical Science, Physics, and Chemical and Bioprocess Engineering.

The mission of the Centre is to promote knowledge, health and economic advancement through excellence in the chemical sciences of synthesis and chemical biology, to enrich the nation's research and educational resource base and to facilitate the development of the pharmaceutical industry in Ireland.

The Centre has the following strategic objectives:

- Advancing knowledge in the chemical sciences of synthesis and chemical biology, as part of a collaborative biomedical research effort;
- Fuelling the Irish pharmaceutical industry, and attracting pharmaceutical research and development to Ireland;
- Raising the research profile of Ireland through international collaboration and increased high impact publications;
- Fostering entrepreneurship, supporting technology transfer and developing strong partnerships with industry;
- Providing new high quality research and teaching programmes for Irish students;
- Developing an informative outreach programme to enhance the public awareness and understanding of chemical sciences.



An Taoiseach, Bertie Ahern TD and Professor Pat Guiry, Director of the CSCB at the official opening of the UCD CSCB building

PROGRESS TO DATE

In 2005/06, CSCB researchers graduated over 50 PhD students, published over 100 articles in peer-reviewed journals, gave over 200 invited lectures and poster presentations and were awarded over €6m in external funding.

CSCB researchers work closely with NovaUCD to facilitate successful commercialisation of the research programmes. In November 2005 Celtic Catalysts, a company co-founded by Professor Declan Gilheany, was awarded a European Commission grant of almost €1 million under the Marie Curie scheme.

The CSCB launched a new website in March 2006, which provides profiles on all Principal Investigators as well as regular news and information on CSCB research and events (www.ucd.ie/cscb/).

The *Science@CSCB* outreach programme was launched in January 2006 and in this reporting period over 300 second-level students have taken part in outreach activities including half-day workshops, career talks and tours of the state-of-the-art laboratories at the CSCB building on the UCD campus.

The CSCB welcomed five new UCD Principal Investigators - Dr Paul Evans, Dr Cosima Stubenrauch, Dr Francesca Paradisi, Dr Hasim Ibrahim and Dr Xiangming Zhu. 12 PhD studentships, worth a total of €960,000 were awarded to UCD Principal Investigators in May 2006.

An image of crystals of Clofazimine (anti-leprosy drug) in cells created by CSCB researcher Raphael Darcy for the UCD Images of Research Competition

NOTABLE ACHIEVEMENTS

The new UCD CSCB building was opened by An Taoiseach in February 2006. It is a 2,300m² building comprising six state-of-the-art laboratories.

Over 200 researchers attended the 4th annual Advances in Synthesis and Chemical Biology symposium in UCD in December 2005. Plenary lectures were given by Professor Tadhg Begley (Cornell), Professor JoAnne Stubbs (MIT), Professor Linda Hsieh-Wilson (Caltech), Professor Volker Dötsch (MPI, Frankfurt-am-Main), Professor Amos B Smith (University of Pennsylvania) and Professor David MacMillan (Caltech).

FUTURE OBJECTIVES

The CSCB will continue to strive towards the strategic research and teaching and learning objectives as outlined at its inception by aiming to:

- Strengthen the links between UCD, TCD and the RCSI by encouraging collaborative research between researchers across these institutions;
- Increase the number of PhD students and further enhance the research effort through the hiring of more postdoctoral fellows and visits of internationally recognised scientists to the CSCB;
- Actively source funds to support the research effort;
- Increase the quality and quantity of peer-reviewed publications and the number of invited lectures given by CSCB researchers;
- Update existing modules and devise new modules for both undergraduate and postgraduate training;
- Complete the design of the new BSc degree in Chemical Biology which commenced with its first entry of students in September 2006;
- Expand the reach of the *Science@CSCB* outreach programme.



DUBLIN MOLECULAR MEDICINE CENTRE

The Dublin Molecular Medicine Centre (DMMC) exemplifies UCD's commitment to collaborative partnerships in the biomedical sciences. This joint venture between UCD, TCD and RCSI is helping to position Dublin as a centre of excellence in molecular medicine research and education.



(Left to right)
Dr Peter Doran,
Director of the GRU,
Tánaiste and
Minister for Health,
Mary Harney, TD,
Dr Hugh Brady,
President of UCD
and Prof Bill
Powderly, Head
of UCD School
of Medicine and
Science at the
opening of the GRU
in the Mater
Hospital

DMMC has helped align the activities of Dublin's biomedical research institutions and six affiliated teaching hospitals under a common framework designed to facilitate cross-institutional collaboration and enhance translational research capability.

PROGRESS TO DATE

The current €45 million Programme for Human Genomics has funded developments of platform technologies in proteomics, functional genomics, genetic epidemiology, bioinformatics, advanced high throughput cell analysis and imaging which are distributed across Dublin and accessible to all. Key infrastructure envisaged in the DMMC plan for the development of translational medicine has now been put in place in the form of Clinical Research Units at the teaching hospitals, linked to the research institutes: the UCD Conway Institute, the TCD Institute of Molecular Medicine and the RCSI Research Institute.

The pool of academic talent has expanded with the recruitment of key research staff and has been enhanced by the continued success of the DMMC Education and Training Programme. The DMMC Scientific Advisory Council has strongly recommended that to become a truly international player, the next phase of DMMC's strategic development should be to become a national entity.

Major milestones this year saw the opening of Genome Resource Units (GRUs) on the St Vincent's University Hospital and the Mater Misericordiae University Hospital sites. While significantly adding to

UCD's research infrastructure, these units will also be core pillars of the Wellcome Trust / Health Research Board funded Dublin Centre for Clinical Research (DCCR). This new funding, won through a collaborative grant application in the face of strong competition in Ireland and the UK, will build a new Clinical Research Centre (CRC) at St James's Hospital together with a cross-institutional infrastructure for sample and data management. This network will link the new CRC at St James's with the CRC at Beaumont Hospital and UCD's two Genome Resource Units. Disease-specific bio-collections are ongoing within all these facilities: in psychoses (funded by the Wellcome Trust), epilepsy, autism, inflammatory bowel disease, rheumatoid arthritis, cardiovascular diseases, and various cancers including prostate (funded by the Irish Cancer Society), breast, oesophageal and haematological. These bio-collections are the cornerstone of translational research programmes, providing many scientists with well-managed access while promoting best practice in sample collection and storage together with informatics expertise and skilled specialist staff.

Building on this new physical infrastructure, the move towards creating a harmonised and coordinated clinical research infrastructure in Ireland has seen the creation of ICRIN (Irish Clinical Research Infrastructure Network) as a first step. ICRIN links National University of Ireland Galway (NUIG) and University College Cork (UCC) and their affiliated teaching hospitals with the DMMC to create a network capable of conducting nationwide clinical studies in all disease areas. A memorandum of understanding to create ICRIN was signed in July 2006.

FUTURE OBJECTIVES

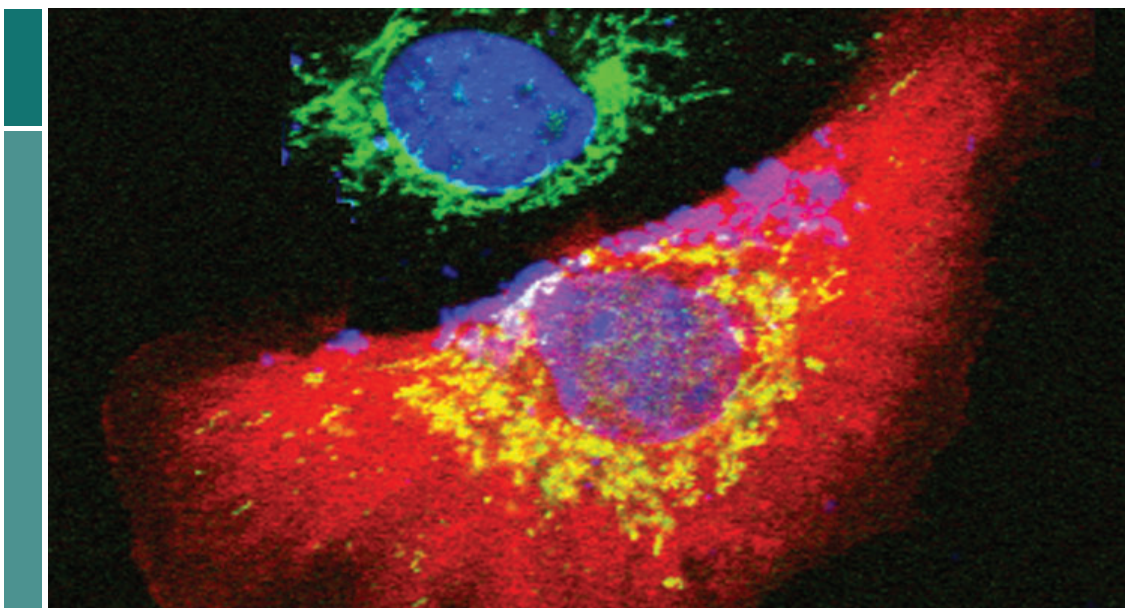
The natural extension of recent infrastructural developments is to create a world-class environment in translational biomedical research at the heart of the Irish healthcare system. Future efforts led in part by DMMC will focus on:

- Translation of new knowledge into tangible clinical benefit to raise standards of healthcare;
- Raising standards for the individual through specialised and focused healthcare via treatment in a clinical

research-intensive environment;

- Attracting the best clinician scientists and, with mentoring and new education and training programmes, drive an increase in skill levels in translational medicine;
- Encouraging industry (pharma, biotech, diagnostic, medical devices and clinical research organisations) to partner with academic translational research groups to develop diagnostic and prognostic biomarkers and new therapeutic intervention strategies.

This image of kidney cells was created by doctoral student Madeline Murphy in the course of her research into diabetic kidney disease. The image was submitted to the UCD Images of Research Competition



DMMC EDUCATION AND TRAINING

DMMC Education and Training builds on the research and teaching strengths of UCD, TCD and RCSI and the clinical expertise in the Dublin teaching hospitals to deliver an easily accessible means for researchers in multiple institutions to develop their skills and broaden their training in the biosciences, with a major emphasis on translational research. DMMC courses, both lecture-based and practical, are delivered by instructors from multiple institutions. This year saw 677 participants of all levels attend 10 DMMC courses ranging from introductory to specialised and from technology-oriented to disease-focused.

New features this year included the opening of selected courses to an international audience, the inclusion of keynote lecturers from outside Ireland and the utilisation of sponsorship from relevant companies. The first course to incorporate these elements was

Unravelling Chromatin and the Role of Epigenetics in Disease which ran in April 2006 and included participation from across Ireland, Europe and the US. A DMMC/Wyeth Pharmaceuticals collaboration, Molecules to Medicines: How Biopharma Delivers, comprised a one day overview of the science going from biopharmaceutical drug discovery to commercialisation, followed by a one day workshop for postgraduate students probing key issues arising during biopharmaceutical research, development, and manufacturing. Another new DMMC course, Population Genetics and SNP Analysis, introduced researchers to key strategic considerations in designing and performing gene-mapping studies using SNP markers and provided 'hands-on' experience of data analysis through a practical workshop.

UCD GEARY INSTITUTE

The mission of the UCD Geary Institute is to be a leading centre for quantitative and analytical research and to provide evidence to policy makers of effective solutions to economic, political and social questions.



The Institute vision is to:

- Support frontier methods of investigation, leading to the very best in research publication;
- Enhance the international profile and ranking of its researchers;
- Play a central role in the training of the next generation of researchers by maximising opportunities for graduate students to work alongside senior researchers on live projects;
- Provide objective analysis and effective solutions that address the challenges facing policy makers.

PROGRESS TO DATE

In the period 2005/06, over €2.2m was raised in external research funding from major peer-reviewed sources and private philanthropy.

New cross-disciplinary collaborations have already taken place within UCD, most notably with the UCD School of Public Health and Population Science and the UCD Conway Institute. Exciting new research strands in areas such as food risk communication, behavioural economics, health risk behaviour and evaluation methodology have developed alongside ongoing work in political participation and labour markets.

2005/06 saw the appointment of Nobel Laureate in Economics Professor James Heckman as the UCD Conway Institute/UCD Geary Institute Professor of Science and Society, as part of a major investment in *Human Development and Public Policy* by the PRTL and Atlantic Philanthropies.

Professor James Bergin took up an appointment with the UCD School of Economics and is developing his research programme on theoretical models of innovation and its interface with commercial law and health economics.

FUTURE OBJECTIVES

UCD Geary Institute will build on its key appointments and funding successes through the following activities:

- Greater engagement with policy makers, providing research evidence to inform major policy questions and raise public profile;
- Further national and international collaboration and strengthening of existing ties with the RAND Corporation, Kennedy School of Government at Harvard and University of Chicago Harris School of Public Policy amongst others;
- Pursuit of new funding opportunities including Science Foundation Ireland, FP7 and the European Research Council, and the nurturing of new research funding partnerships with the public and private sectors;
- Graduate student involvement in research clusters will be further strengthened through the enhancement of the seminars and masterclass series introduced in 2004. The alliance with the Harris School of Public Policy at the University of Chicago will provide additional expertise to the programme and plans are in development for the establishment of professional development programmes in public policy aimed at policy professionals.

UCD Geary Institute



UCD Geary Institute staff and visitors with Professor James Heckman and Professor Colm Harmon, Institute Director (front centre)

THE CENTRE FOR ADULT DECISION MAKING

The Centre for Adult Decision Making, led by Professor Colm Harmon and Professor Patrick Wall, is developing as a major centre within the UCD Geary Institute and conducts work in the following areas:

- *Risk Perception, Food and Nutrition;*
- *Health Risk Behaviours such as alcohol consumption and smoking;*
- *Student Health and Welfare;*
- *Ageing (including the Survey of Health, Ageing and Retirement);*
- *Advanced Survey Methodology and Measurement;*
- *Experimental Design, Neuroscience and Choice.*

The Centre collaborates intensively with colleagues at the RAND Corporation in the USA and other institutions. The research team, led by Senior Researcher Dr Liam Delaney, has secured a sustained and significant funding stream in excess of €3m, from a range of sources including Diageo Ireland PLC, the Strategic Innovation Fund, the FIRM initiative of the Department of Agriculture and Food, the HEA and IRCHSS. It will launch a number of major studies throughout the next year.

UCD HUMANITIES INSTITUTE OF IRELAND

UCD HII's research programme makes up an integral part of UCD's strategic mission to become a leading international research-intensive university. The HII's broad strategic objectives centre on supporting innovation and excellence in research in the humanities, while concurrently providing a platform for high quality doctoral students and post-doctoral fellows.

The HII's current research programme is funded through the HEA's PRTL 3 and is entitled *Identity, Memory and Meaning in the 21st Century*. The HII works to create a dynamic cross-disciplinary and integrative research environment for humanities researchers at UCD.

In the areas of teaching and learning, the HII is committed to transforming postgraduate training by creating programmes that promote inter-disciplinary learning and transferable skills. The HII's Irish Virtual Research Library and Archive (IVRLA) is maximising the potential offered by digital technology to make UCD's archival and library resources available to students and scholars in Ireland as well as worldwide.

PROGRESS TO DATE

During the period covered by this report, 20 doctoral students, five postdoctoral fellows and six project researchers were attached to UCD HII. In addition to the Institute Director and Institute Manager, there are six principal researchers from the UCD College of Arts and Celtic Studies leading research strands within the HII's current programme.

The HII has pioneered the concept of a dedicated interactive research space for the humanities at national level. The HII has placed special emphasis on the provision of a supportive environment for early stage researchers. In particular, it has emerged as an exciting academic and social space for postgraduate researchers in the arts and humanities. The HII is also committed to building greater national capacity in the humanities through links with other institutions, including its PRTL-funded research links with St Patrick's College, Drumcondra. In the area of international co-operation, the HII is an active member of the Consortium for Research Institutes in the Humanities.

Through the Irish Virtual Research Library Archive (IVRLA), the HII is exploring the boundaries of leading-edge research facilitated and enhanced by humanities computing. The development of electronic research resources is still at an early stage, however, the IVRLA places the HII to the forefront of developments in this area nationally and internationally.

Dr Marc Caball became the new Director of the HII in December 2005.

HII researchers, at both academic and doctoral levels, published research material across a diverse range of national and international peer-reviewed publications.

In line with its commitment to enhancing graduate training in UCD, the HII continued to offer its highly popular inter-disciplinary doctoral training programme to research students.

The HII inter-disciplinary seminar series developed further as a focal point for academic and intellectual discussion among humanities and human sciences scholars at UCD and beyond. Among the scholars who delivered papers were Dr Ann Rigney, Professor of Comparative Literature at the University of Utrecht and Professor Andrew Fleming, Department of Archaeology at the University of Wales in Lampeter.

Professor Wolfgang Iser (University of Konstanz), the world-renowned literary theorist, delivered a HII Distinguished Guest Lecture in March 2006 and Professor of Cognitive Sciences, Merlin W. Donald, Case Western Reserve University, delivered a HII Distinguished Guest Lecture in May 2006.

In co-operation with the Research Institute for History and Culture (OGC) at the University of Utrecht, the HII concluded an exchange programme agreement for doctoral students within the framework of the EU Socrates scheme.

FUTURE OBJECTIVES

The HII's future research focus will be on changing images of Ireland. Such a programme will further develop UCD's extensive strengths in Irish Studies across the disciplines and will leverage extensive research networks that have been established in Ireland and globally. It will also complement recent strategic appointments at UCD such as the Professorship of James Joyce Studies as well as lectureships in environmental archaeology, media history and history of medicine.

UCD URBAN INSTITUTE IRELAND

UCD Urban Institute Ireland (UII) is the national centre and a major European institute for the development of new technologies, policies and ideas designed to improve the quality of the working and living environment.

Prof Frank Convery, Project Director, UCD Urban Institute Ireland, Sheila Convery, Project Manager, UCD Urban Institute Ireland with Larry Stapleton, Director, EPA, at the launch of the Urban Environment Project

The initial concept for UCD Urban Institute Ireland to be a centre for research on sustainable urban development has evolved over the past four years and the Institute now carries out research on a broader range of topics that encompass rural as well as urban development.

The Institute brings together a unique mix of researchers spanning scientific, technical, professional, and public policy disciplines that include engineering, planning, environmental policy, geography, architecture, economics, sociology, physics, rural development, transport policy, biology and climatology. This provides a synergy to tackle the multi-dimensional challenges of achieving sustainable development in new and innovative ways. The integration of architecture, planning, civil engineering and the wide range of other disciplines that UCD provides is unique in Ireland.

PROGRESS TO DATE

There continues to be significant growth in the quality and quantity of research outputs at UCD Urban Institute Ireland. There are currently eight postdoctoral researchers and 90 PhD and research Masters students. These numbers have grown, particularly in the past year, and growth is set to continue. Research and other Institute income, from a wide range of sources, has reached €3 million per annum and publications average about 100 per year.

UCD Urban Institute Ireland has very strong links within Ireland and internationally, including the Environmental Institute in UI Chicago, the Forum of European National Highway Research Laboratories, The Environmental Economics Unit, Göteborg University, the Centre for Energy and Environmental Research, MIT and more. The Institute is also in the process of signing a collaboration agreement with the Joint Research Centre (JRC) of the European Commission at Ispra, Italy.

The UII Urban Environment Project is a €1.2 million initiative funded by the Environmental Protection Agency. Three UCD Schools in three Colleges are partnering with the JRC, NUI Maynooth and Trinity College Dublin to understand how change in economy, infrastructure and land use interact and influence environmental performance, including climate change, biodiversity and air quality. The project aims to deliver a decision-aiding tool for those in the national and local policy process and a



source of information for the general public about policy choices and implications.

FUTURE OBJECTIVES

In the coming year, UCD Urban Institute Ireland will expand its focus beyond urban issues to encompass a wider range of sustainable development research. This will include topics such as rural development, sustainable energy and global warming.

Substantial growth is expected in geographical information science research, which underpins Geographical Information Systems (GIS). A range of facilities to leverage existing GIS research activity in such diverse fields as planning, agriculture, psychology and education is being proposed and there will be a new focus on quality of life and life satisfaction issues. Environmental factors influencing life satisfaction will be integrated in a GIS database and monitored over a decade.

UCD Urban Institute Ireland members have participated in Fourth, Fifth and Sixth European Framework projects. This will be expanded as the European Commission launches its Seventh Framework where the Institute is planning to lead a major European project on freight transport, a significant challenge for the future sustainable development of the continent.

FOURTH LEVEL

There are now six Masters degree programmes, making UCD a world leader in the provision of Masters programmes in Planning. Considerable progress has been made in the planned integration of these Masters programmes with the emerging concept of PhD programmes. It is anticipated that the UII will have three structured PhD programmes in place by September 2007, under the overarching theme of sustainable development.

UCD MÍCHEÁL Ó CLÉIRIGH INSTITUTE

The mission of the Institute is to continue the tradition of learning in Irish history and civilisation established by the Irish Franciscans in the seventeenth century; to conserve the legacy of manuscripts and books entrusted to UCD by the Irish Franciscans; to make the collection available as a research tool for scholars of Irish studies; to act as an educational resource for scholars in Ireland and abroad; to encourage an appreciation of the country's rich inheritance from the past in modern Ireland.

PROGRESS TO DATE

During 2005/06 conservation of Ms A2, the Liber Hymnorum was completed. This is an extremely complex manuscript composed of three separate quires. Besides extensive work on the vellum itself, to hydrate the skin and then address structural damage, an appropriate binding was developed and a conservation grade housing constructed. The scale and complexity of the work is reflected in the two years spent on conservation. A2 is available online, along with most of the other early manuscripts, as a high quality publicly accessible digital image.

The Institute received a gift of €500,000 from a private donor. In December 2005 the Institute received funding of €220,000 from the IRCHSS for a two year programme to identify, catalogue and photograph material relating to all the orders of friars and mendicant nuns in Ireland.

Three international conferences took place during the year. The Institute also ran over 30 seminars and its team of 10 postdoctoral and PhD researchers was responsible for over 40 scholarly publications ranging from monographs to journal articles.

In July 2006 the collection of manuscripts catalogued as the Franciscan Library Killiney B and D manuscripts were transferred to UCD. These large collections consisting of over 300 volumes and in excess of 10,000 pages reflect the varied and important activities of the Irish Franciscans in the 16th, 17th and 18th centuries.

The B manuscripts are in different languages and date back as early as the 12th century.

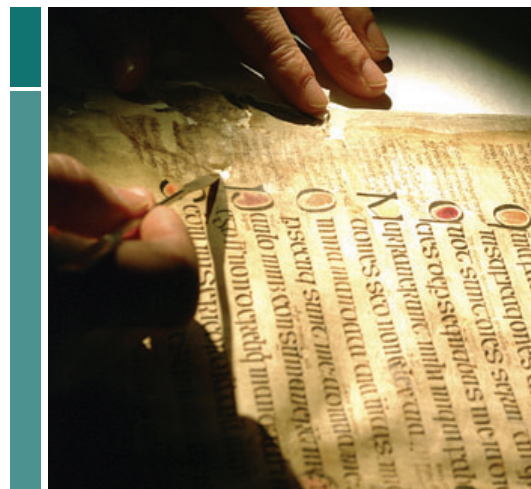
The D manuscripts consist of a highly significant collection of letters and papers associated with the Irish Franciscans of the 17th century, in particular Luke Wadding. This important national archive contains the correspondence of some of the most eminent figures in 17th century Irish history, among them Hugh O'Neill, Earl of Tyrone, St Oliver Plunkett, Archbishop of Armagh and Florence Conry (Flaithrí Ó Maoil Chonaire), founder of the Irish Franciscan College of St Anthony in Louvain, Belgium.

FUTURE OBJECTIVES

The Institute is the national coordinator for a series of public events, academic conferences, exhibitions and publications during 2007 to celebrate the 400th anniversary of the foundation of St Anthony's College, Louvain. This presents a major opportunity to fulfil the public education remit of the Institute. The theme of the year's programme is *The writing of Irish history*.

As well as advertising postdoctoral and doctoral fellowships to mark the anniversary year a musical suite has been commissioned and will be premiered in the Royal Hospital Kilmainham in March 2007. The inaugural UCD-Irish Institute Louvain summer school will be held in May of 2007 with contributions from leading scholars of early modern Ireland and of Gaelic literature. There will be exhibitions in the National Museum of Ireland, the National Library of Ireland, Waterford City Museum and the Hunt Museum, Limerick. A joint venture between the Ó Cléirigh Institute, Royal Irish Academy and Trinity College Library will see key related manuscripts such as the Annals of the Four Masters exhibited together for the first time in almost four centuries.

The anniversary year will be accompanied by popular and academic publications and a special series of conferences in UCD and across the Irish third level sector.



A conservator restoring a Franciscan manuscript

NOVAUCD – THE INNOVATION AND TECHNOLOGY TRANSFER CENTRE



NovaUCD is an exciting Innovation and Technology Transfer Centre based in UCD's Belfield Innovation Park. This purpose-built centre offers a supportive environment and incubation facilities to assist innovators and entrepreneurs in taking their ideas from proof-of-principle to full commercial success.

Prof Conor Heneghan, UCD School of Electrical, Electronic and Mechanical Engineering, winner of the NovaUCD 2006 Innovation Award

A major strategic objective for UCD is to contribute to the social, economic and cultural objectives of a knowledge society. In this regard, key actions identified in UCD's Strategic Plan 2005-2008 for NovaUCD include:

- Initiation of a knowledge management programme;
- Identification and protection of UCD's intellectual property;
- Commercialisation of UCD's intellectual property through licensing and spin-off companies;
- Training of UCD staff in knowledge transfer and entrepreneurship through integration of NITM (National Institute of Technology Management) and NovaUCD;
- Developing corporate partnerships with business and industry to support and enhance research activities.

The activities of NovaUCD are overseen by a board chaired by Paul McCambridge, Vice-President and Managing Director of Xilinx, which includes senior representatives of UCD, NovaUCD sponsors, industry and research funding agencies.

PROGRESS TO DATE

The level of invention disclosures by UCD researchers in the last year has increased to 29 from 22 in the previous year. This is indicative of a considerable increase in the level of potential intellectual property generated across the university from its research programmes. In the last year UCD filed 13 priority patent applications across all areas of life sciences, engineering and



information and communication technology. In addition five PCT patent applications and four national/regional patent applications were filed. During 2005/06, six licence agreements were signed with a range of indigenous and international companies.

Twenty-six knowledge-intensive companies, occupying over 95% of NovaUCD's available incubation space, and employing over 150 people, are now located in NovaUCD. In keeping with NovaUCD's strategy of continuously refreshing its community of entrepreneurs, four of NovaUCD's client companies will shortly 'graduate' to make way for new ventures.

NovaUCD is responsible for the implementation of UCD's intellectual property policy and for supporting the development of a strong intellectual property pipeline. All 2005/06 targets for identification, protection and commercialisation of UCD intellectual property, mainly through licensing to new and established companies, were achieved. In addition, the UCD Governing Authority has formally approved a new intellectual property policy which was developed in accordance with international best practice and incorporates the main provisions of the previous policy adopted in 1992.

This new policy takes into account changes in legislation and also provides for a significant increase in the level of commercial income distributed to researchers and other generators of intellectual property.

Almost 340 m² of wet laboratory space, which can accommodate four to six biotechnology companies, has been developed at NovaUCD and is currently occupied by two new ventures.

Now in its eleventh year, NovaUCD's annual Campus Company Development Programme provides support for the promoters of 12 high-tech potential start-ups in taking innovative ideas from proof-of-concept to fully developed, commercially sound business enterprises. The 2005 Campus Company Development Programme award was made to Vocal Health Screen, founded by Rosalyn Moran, a PhD student in the UCD School of Electrical, Electronic and Mechanical Engineering.

During the year, ChangingWorlds, winner of the DHL Exporter of the Year 2005 Award and co-founded by Professor Barry Smyth, Head of the UCD School of Computer Science and Informatics, expanded its Advanced Research Centre in NovaUCD. At NovaUCD, the company has a team of 17 highly qualified software engineers who are working together with UCD researchers in developing advanced personalisation technologies for the mobile telecommunications industry. Professor Smyth was a finalist in the *Ernst and Young Entrepreneur of the Year 2006 Award*.



Wet laboratory at
NovaUCD

FUTURE OBJECTIVES

NovaUCD's vision is to become an international leader in the commercialisation of research and other knowledge-intensive activity for the benefit of the economy and society. NovaUCD has developed an ambitious five-year plan to increase the early identification and protection of research generated intellectual property and to maximise its commercialisation. The key priorities for NovaUCD include:

- Technology Transfer and Commercialisation - Develop the Technology Transfer and Commercialisation team to focus on the priority research areas of the university;
- Business Development - Establish a business development unit to identify and develop market led opportunities for commercialisation and collaboration;
- Industry Partnerships - Develop Belfield Innovation Park to attract industry partners onto the campus and strengthen the management of industry partnerships;
- Campus Companies - Further expand the NovaUCD Campus Company Development Programme to provide training, advice and facilities for campus companies, with increased emphasis on UCD spin-offs;
- Awareness and Training - Increase access to awareness and training for researchers, PhD students and technology transfer professionals and develop a culture of innovation and entrepreneurship.

BIANCAMED

BiancaMed, whose target market is the fast-growing home-health sector, was founded in 2002 by Dr Philip de Chazal, Dr Conor Hanley and Professor Conor Heneghan as a spin-off from the UCD School of Electrical, Electronic and Mechanical Engineering. In June the NovaUCD 2006 Innovation Award was presented to Professor Heneghan, already a named inventor on four UCD patent applications, in recognition of his success in the commercialisation of research undertaken at UCD.

Currently based in NovaUCD, BiancaMed's vision is to provide convenient health and wellness monitoring technology for use in daily life. BiancaMed currently employs a staff of five, has raised \$400,000 in funding

and has secured deals with leading US companies, Del Mar Reynolds Medical and ResMed. In 2005 BiancaMed's screening technology, which it had licenced to Del Mar Reynolds Medical to develop the LifeScreen Apnea™ product, secured Food and Drug Administration (FDA) clearance enabling this medical device to be marketed in the United States. LifeScreen Apnea™ permits cardiologists to screen for obstructive sleep apnea, a medical condition in which the breathing of an individual is interrupted while he/she is asleep. BiancaMed is currently developing a product which will allow ultra-convenient heart and respiration monitoring at home as part of an overall health management suite.

4

Providing a High Quality Student Experience

UCD believes that every student should experience world-class teaching and learning in the context of an overall university experience that enriches the individual and realises his or her full potential.

The goal at UCD is to provide an outstanding infrastructure of modern, well-equipped buildings and facilities. In such a physical setting, students can blend the academic element of their studies with an enjoyment of the social, sporting and cultural aspects that form an integral part of a rounded student life.

UCD aims to be a socially inclusive institution. In developing a series of proactive recruitment programmes, UCD recognises that it must also reach out to potential students who, while requiring assistance, guidance or preparation to enter higher education will benefit greatly and contribute significantly to the learning community and to society.

The university has also put sophisticated support mechanisms in place to ensure that at all times students have the backup and advisory services they need.

UCD faces greater competition than ever for the best students in a global marketplace. School leavers are ambitious and the choices available to students preparing to enter third and fourth level are widening. To meet this challenge, UCD is constantly enhancing the range of services it offers to its students so that their talents are realised and they become highly competent individuals, well placed to excel in their chosen careers and their lives.



Facility Development: Capital Projects

Library

IT Services

Careers and Employment

Widening Participation

Financial Assistance for Students

Student Support, Chaplaincy and Student Advisers

Sport

Music

Student Societies

FACILITY DEVELOPMENT: CAPITAL PROJECTS

A modern, world-class infrastructure is essential to support the ambitious goals of the university. Outstanding facilities are required for students in a research-intensive university where students are taught and learn in an atmosphere of advanced scholarship. UCD's aim is to provide a campus setting that is quantitatively and qualitatively the best in the Irish university sector and comparable to the best internationally.

The Belfield campus is one of UCD's most valuable resources. To ensure its sustainable development, UCD has prepared a Campus Development Plan which will chart out the buildings and amenities for the university over the coming decade. The plan sets out the development of a sustainable and living campus, with the provision of commercial, educational and cultural facilities in locations that invite in the wider community.

CAMPUS DEVELOPMENT PLAN

Four key themes drive the overall plan:

- Academic building projects;
- Student and community life;
- Knowledge economy and innovation park;
- Engagement with the wider community through the Gateway Project.

UCD is committed to providing a pedestrian-friendly campus where students, staff, neighbours, friends and visitors will have a pleasant and memorable encounter with a top-quality modern university campus in a

flourishing city and county. This commitment includes a vision for world-class architecture and a more than ten-fold increase in the boundary woodland and network of pedestrian walkways.

UCD's vision of the future does not cloud its commitment to the existing campus or its local neighbours. UCD recognises the significance of the existing campus buildings, many of which feature award winning architecture. In an effort to enhance these buildings a refurbishment scheme is currently being progressed.

All new development will be mindful of its location, intended users and will be designed for maximum efficiency and sustainability. There is ample room to accommodate the required new building spaces and continue to develop the "green campus" feel. Provision for increased access capacity to the university along the N11 is included as an objective in this plan to support the proposed development within the Campus Gateway.



*Campus
Development Plan
brochure*

Over time, parking will be accommodated in multi-storey car park structures located near the campus entrances, thereby providing a pedestrian zone in the core of the campus. UCD is currently preparing an integrated parking management plan to better serve and manage car parking on campus which will further support and encourage the use of public transport by all campus users.

The draft UCD Campus Development Plan 2005 - 2010 - 2015 was put on public display in June 2006 and local residents, business owners and members of the university community offered their views on the plan. These views will be incorporated in its implementation.

An audiovisual presentation of the plan is available at: www.ucd.ie/news/jun06/062006_campus_dev.htm

PROJECTS COMPLETED AND CURRENTLY IN PROGRESS

Health Sciences

Phase 2 of Health Sciences is well advanced with occupation expected by Christmas 2006. This will enable the relocation of all of the UCD School of Medicine and Medical Science activities currently supported in Earlsfort Terrace to the Belfield campus. The budget for this phase is €41m. The Health Science library is being delivered as part of this phase and will become a focal point for all students in Health Sciences.

Funding from the Department of Transport has been authorised to construct a 2200 m² facility to which the Medical Bureau of Road Safety will be transferred from its current location at Earlsfort Terrace in late 2007. The new four-storey building will provide offices, diagnostic and research laboratories, seminar rooms and associated support accommodation.

UCD Research

The construction of an extension to the Tierney Building will be complete by late 2006, providing office and meeting room accommodation for research administration. This copper clad building will generate a high profile centre to reflect the university's drive for research excellence.

Global Irish Institute

The first phase of UCD's Global Irish Institute was completed in 2006 with the conversion of the former

University Industry Centre. The new facility contains the William Jefferson Clinton Auditorium, a component of UCD's William Jefferson Clinton Centre for American Studies. The remaining academic and reception facilities of the William Jefferson Clinton Centre will be located at Belfield House which is currently being extensively refurbished. Construction is proceeding to programme and the building is scheduled for completion in late 2006.

Richview

Construction works are in progress to develop laboratory, office and teaching facilities designed to accommodate the transfer of Civil Engineering activities from Earlsfort Terrace to the Belfield Campus at a projected cost of €10m.

Other developments at this location include accommodation for:

- Landscape Architecture (relocating from UCD Agriculture and Food Science Centre);
- Institute of Sport Offices;
- Sports High Performance Units;
- Library Storage.



Blackrock Library

A generous private donation has enabled the conversion and extensive restoration of the former main church (Victorian chapel) to provide approximately 800m² of new library facilities at the UCD Michael Smurfit School of Business.

Glenomena Residence Phase 3

Completion of Phase 3 of the Glenomena Residence at a total cost of €12.9m in late summer 2006 provided an additional 168 student places which are now in full occupation. The Glenomena Residence now has accommodation for almost 760 students including two apartments fitted out with enabled access features.

The Victorian chapel under restoration and conversion to a library at the UCD Michael Smurfit School of Business



Roebuck Residence Phase 1

Commissioning of the first phase of Roebuck Residence has resulted in the introduction of 50 new apartments (300 beds) for September 2006, at a cost of €24.5m. This brings the university student accommodation to 2,800 beds.

UCD Science Centre Restaurant

The redevelopment of the UCD Science Centre Restaurant was completed in late summer 2006 for a budget of €1.6m. This new facility introduces a late night food option to the Belfield campus. Operated by the Kylemore Foods Group, the new facility will encourage student interaction and provide support for the development of a 24/7 campus.

Belfield Main Restaurant

Refurbishment of the main Restaurant building was completed in late summer 2006 at a cost of €0.6m as part of ongoing phased work to upgrade the building. It now incorporates retail units occupied by a post office, a computer accessories and recycling unit, and a student travel outlet.

Arts and Human Sciences Programme Office

Refurbishment of the accommodation within the Newman building enabled the establishment of the new Arts and Human Sciences Programme Office.

Belfield Bowl

Planning permission has been received for the redevelopment of the Belfield Bowl. Proposed improvement works include the provision of additional seating, floodlighting and other facilities necessary to meet licencing and safety requirements. This will facilitate the relocation of UCD Soccer to the Belfield Bowl.

UCD Complex Adaptive Systems Laboratory (CASL)

The university has leased office accommodation at Belfield Office Park to provide facilities for research activity associated with informatics, mathematics, engineering, systems biology, and future research groups. Enabling works include communication and pedestrian access links to the Belfield Campus while refurbishment of the new space will be complete by late October 2006.

PROJECTS AT DESIGN OR CONCEPT STAGE

Gateway Project

The UCD Gateway Project aims to fulfil two fundamental objectives - to provide a signature entrance to UCD from the N11, and to create an opening or bridgehead to the community and to our alumni. Set in the context of the new Campus Development Plan the Gateway also has the aspiration of assisting in the development of the 24/7 campus. The facilities of the Gateway will be available to students, staff and the community alike.

Current plans for the Gateway envisage an exhibition centre, an arthouse cinema with associated facilities for film studies, a pedestrian and public transport friendly entrance, retail and dining outlets, a medical centre, a hotel linked to O'Reilly Hall to support UCD conferencing and a mall linking the entrance to the central spine of the campus at the Newman Building. Office buildings, targeted at knowledge intensive businesses, with a desire to interact with the university, will also be included.

An international architectural competition to develop an overall design for the Gateway will be launched at the end of October 2006 and it is hoped to announce the winner in April 2007.



New student accommodation on campus

All new student accommodation is wireless enabled

High quality student accommodation



UCD Science District

The development of the UCD Science District will provide a transformative resource for Irish science. At its core will be a redeveloped UCD Science Centre which will act as a highly visible, high quality and inspiring showpiece and resource at a university, national and international level. The centre will provide facilities which will attract the highest quality students, graduates and staff in the fields of science and engineering.

The National Strategy for Science, Technology and Innovation envisages major investment in science infrastructure and human resources with a view to securing continued economic growth in Ireland. The success of this strategy will be marked by increased participation in the sciences, increased numbers of people with advanced qualifications, enhanced contribution by research to economic and social development, transformational change in the quality and quantity of research and increased trans-national research activity. It will also lead to an enhanced international profile for Ireland and greater coherence and exploitation of synergies nationally and internationally. The development of UCD Science District with UCD Science Centre at its hub will enable Ireland's largest and most diverse science community to make a major contribution to this strategy.

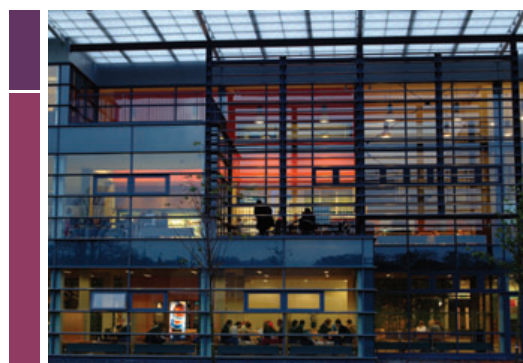
The preparation of a building brief for the UCD Science Centre is currently underway in consultation with the stakeholders. The Project Director is Professor Michael Monaghan who is supported by a project team and an academic steering committee. It is envisaged that the development will include major expansion and extensive refurbishment of the current 32,000 m² of science building accommodation.

Student Centre 2 and Swimming Pool

Following the successful student referendum and levy approval to fund an extension to the Student Centre, preparation of a building brief is ongoing. The complex will provide additional leisure, recreational and support facilities including a debating chamber, theatre, media centre, swimming pool and fitness centre.

Graduate Centre

Development of a building brief for a new Graduate Centre has begun. This state-of-the-art building will provide facilities designed to meet the unique needs of the graduate and postdoctoral community at UCD.



Belfield Innovation Park

The Campus Development Plan sets out the proposed development of the Belfield Innovation Park at the N11/ Fosters Avenue corner of the campus. This will leverage the establishment of the NovaUCD innovation centre at Merville House and will encourage the future development of industry links with the university.

The National Institute for Bioprocessing Research and Training (NIBRT) will form the next phase of development in this sector. NIBRT will be based at the Belfield Innovation Park and will offer world-class training and research programmes in a purpose-built building. It is funded by IDA Ireland and it is intended that the building will be operational by 2008.

Crèche and Staff Accommodation

Planning permission has been sought for much needed additional crèche facilities and staff accommodation to be located adjacent to University Lodge.

UCD Quinn School of Business

LIBRARY

Student Services

The strategy of UCD Library is to support the advancement of UCD's status as a leading research-intensive university by providing services and facilities that deliver a high-quality student experience. To achieve this, the Library will increase both print and online collections substantially, will enhance the physical learning environment, will provide an extended portfolio of virtual library services on a 24/7 basis, and will integrate library services with e-learning developments in the university.

PROGRESS TO DATE

The new automated access system enabled opening hours during term time to be increased to 96.5 hours per week, the longest opening hours of any university library in Ireland.

A further 2,000 online journals and databases were added to the Library's holdings through the IReL initiative to support scientific research. The second phase of this initiative, to improve online library resources in the humanities and social sciences, has commenced.

The study and learning environment in the UCD James Joyce Library was upgraded with a refurbished reception area, a new reference desk and several new group study rooms on level 2, a new-look general reference area, and the activation of wireless connections for laptop users. Several quiet areas were expressly designated for those who wish to study free from the distraction of laptops and other electronic devices.

Improved physical accommodation is also progressing. The new library in the UCD Health Sciences Centre is nearing completion, and work is also well progressed on the conversion of a former church into a new library for the Blackrock campus. Both libraries are expected to open in 2007.

Improvements to the physical library were complemented by a number of innovative enhancements to the online library service. These included the introduction of a pilot online reference and enquiry service using Windows/MSN chat facilities; the provision of RSS feeds to enable users to keep up to date with frequently used web sites; and a pilot direct delivery document supply service in which items requested on interlibrary loan are delivered direct to the requester's desktop, instead of having to be collected in print form from the library.

The ongoing integration of library services into the campus portal, UCD Connect, enables students to access their library accounts along with email and course information.

A new initiative to promote online library services was undertaken through the organisation of a library "roadshow" in the UCD Student Centre in March, at which library staff were on hand to demonstrate online services and facilities, and to answer questions.

A new online reading list facility was provided; operated in conjunction with academic staff, this offers students a direct link from an online reading list to a variety of learning resources.

The modularisation of academic programmes enabled the Library to engage more fully in the learning process by delivering several information skills modules on behalf of Schools.

FUTURE OBJECTIVES

Research resources will be further enhanced with a substantial increase in the number of online journals in the humanities and social sciences.

A new signage system is planned to make the library easier to use.

Online library developments will continue. A new podcast guide to the library is being planned; a range of subject channels, providing information and links to online resources, will be provided in *UCD Connect*; and an online repository for the university's research output will be established.

New initiatives in information skills training will include new web pages, an online tutorial, and the preparation and delivery of a comprehensive information skills module as part of the structured PhD programme.

IT SERVICES

Student Services

Developing a digital campus with 24/7 access for staff and students is the core objective for UCD IT Services. In August 2006 a unified central IT Service was created which will deliver academic and administrative systems, research IT, teaching and learning technologies and UCD web services. The focus is moving to a laptop environment where IT is an integral part of student learning. Wireless and flexible access facilities are provided throughout the campus for quick and easy use of IT. The UCD Connect Portal and Blackboard eLearning environment provide worldwide access to IT services and academic materials.



PROGRESS TO DATE

All incoming UCD undergraduates receive a 256 MB disk-key, free IT induction course and a detailed information guide on using IT services. The Daedalus IT Centre is the support hub for students and staff - typical activity levels at start of term show:

- 3,000 wireless laptops in use daily on campus;
- 3,700 incoming students attended IT induction courses;
- 6,000 daily users of eLearning services;
- 100,000+ emails delivered per day;
- 20,000 weekly users of UCD Connect portal service.

Dedicated access facilities for rapid internet and email services are provided in social spaces to allow students to use IT routinely throughout their course.

Research IT Data Centre

In support of the research mission of the university, a Research Data Centre was developed in 2006 that provides the capacity to host high performance computing equipment essential to major research groups. The development of the Research IT Service at UCD is the result of dedicated input from Academic and IT Services staff and with substantial funding from UCD, HEA and SFI. This landmark data centre facility allows us to provide dedicated services for the research community and to create the technology environment which will support computer intensive projects across all disciplines.

Wireless Access

The Belfield Campus now has 400 wireless access points which provide seamless internet access in all the main social spaces - campus cafes, Student Centre, Arts and Science buildings. Fully wireless buildings such as the Quinn School, Health Science and the UCD Conway Institute allow flexible working for staff and students. All new residences have been fitted with wireless access and older residences are being retro-fitted to provide access.

IT for Teaching and Learning

To promote the use of laptops in teaching, a laptop cart system was introduced in September 2005 and has proved very popular with staff and students. New IT Centres have been opened in the Newman and Health Science buildings, which provide drop-in "help and advice" services at convenient locations. The centres have laptop access areas and dedicated IT support staff. This initiative has been followed with a laptop loan scheme for students, which operates from the IT Centres.

Integrating IT into campus life is achieved through the development of convenient access facilities. The provision of 40 internet access points in the Newman building in the open plan area has generated a high level of activity and increased profile for IT Services.

FUTURE OBJECTIVES

UCD IT Services is committed to developing IT as an integral part of the education environment for staff and students. The focus for 2007 is to:

- Develop convenient and flexible access facilities utilising wireless and social spaces;
- Develop teaching and learning technology, building on the existing eLearning capability;
- Expand the research IT services to support the growing demand from customers;
- Enhance access to information and services through web-based applications.

CAREERS AND EMPLOYMENT

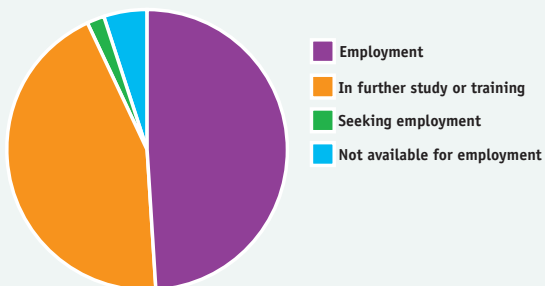
Student Services

UCD educates, encourages and assists its students to find a future that enables them to contribute most effectively to the social, cultural and economic life of Ireland and the wider global community.

PROGRESS TO DATE

UCD graduates continued to fare well in 2005, as can be seen from the chart and table below.

All disciplines (Primary Degrees)



First destination of graduates 2005

	% primary degree	% higher degree	% postgraduate diploma
In employment - Ireland	44.5	70.3	66.2
In employment - Overseas	4.3	12.2	5.6
In further study or training - Ireland	41.0	7.9	23.7
In further study or training - Overseas	3.5	1.3	0.8
Seeking employment	1.7	3.8	2.5
Not available for employment or study	5.0	4.5	1.2

The 'seeking employment' rate of primary degree graduates continues at a low of 1.7% (2.7% in 2004), with substantial numbers in employment or in postgraduate study and training. As the job market changes, students have been encouraged to make prepared and targeted approaches earlier in the academic year when much recruitment occurs. There is strong competition for top graduate positions both at home and abroad.

In recent years, there has been an increase in the number of primary degree graduates undertaking

postgraduate study and training. This figure reached 44.5% in 2005, now approaching the numbers going directly into employment of 48.8%.

This increase has been encouraged by the wide range of attractive postgraduate coursework available, within the university, nationally and internationally. The quality of jobs secured by higher degree graduates was noticeably higher than that of primary degree holders. Those undertaking postgraduate diploma courses have also performed very well in the job market. There is now a real choice facing graduating students about whether to enter employment or pursue further studies.



UCD Careers Fair



To assist students in earlier approaches, UCD Careers and Appointments again held a Careers Fair in Belfield focussing on Irish employers. Major international organisations also visited the university for recruitment purposes.

UCD Careers and Appointments works with students through personal counselling and a 'duty system' which enables students to be seen without appointment. Advisory meetings, group work, careers education programmes, careers talks and seminars are also very well attended. The Careers Service is located in purpose-built careers libraries and offices in the Library Building at Belfield and at UCD Smurfit School on the Blackrock campus.

FUTURE OBJECTIVES

UCD Careers and Appointments staff will continue to be involved in the development of graduate careers literature and other cooperative ventures undertaken by the Association of Graduate Careers Services in Ireland (AGCSI) and the Association of Graduate Careers Advisory Services (AGCAS) in Britain and Ireland. A website, *gradireland* (www.gradireland.com), which is updated daily and contains graduate vacancies notified to Careers Services in Ireland, and a careers directory - *Gradireland* - have been developed cooperatively through AGCSI and careers publishers GTI and are available to students and graduates.

WIDENING PARTICIPATION

Student Services

UCD aims to be a socially inclusive university where students from diverse backgrounds are empowered to participate fully and equally in all facets of university life. The university pro-actively targets under-represented groups in higher education including students with a disability, mature learners and students from lower socio-economic groups.

Dedicated teams within the Office of the Director of Access and UCD Adult Education Centre work to realise this goal in co-operation with academic and administrative colleagues across the university. In addition to its role in widening participation, the UCD Adult Education Centre facilitates lifelong learning by offering a myriad of academic learning opportunities to all adults. Over 1,000 students took courses for credit, while a further 3,000 students have taken courses for interest with the UCD Adult Education Centre. For many students this would have been their first experience of higher education.

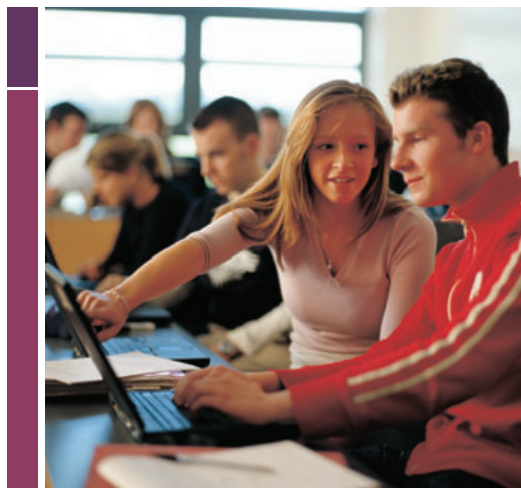
PROGRESS TO DATE

UCD supports its widening participation agenda through a number of initiatives:

- Links with schools, community groups and voluntary organisations, providing information and advice on higher education options, taster activities and summer schools, and education opportunities in outreach centres;
- Delivery of Access Courses (formerly known as Return to Learning) in Arts and Human Science, Science and Engineering, and Commerce for adults who wish to access higher education;
- Flexible entry pathways to study at UCD, including special entry routes on the grounds of mature years, disability, socio-economic groupings and FETAC qualification;
- Provision of appropriate supports so all students can participate fully in university life. These include orientation programmes, academic skills workshops, academic writing academy, needs-based accommodation for students with a disability, accessible materials and technologies, mentoring, advice, guidance and financial bursaries.

NOTABLE ACHIEVEMENTS

- The Disability Support Service (DSS) has evolved over the past number of years to reflect the growing demand from people with a disability for equal access



and participation in higher education. Operating from an inclusive social model of disability, UCD supports students with visual, hearing, physical/mobility disabilities; Specific Learning Difficulties (SLD); mental health difficulties; Aspergers Syndrome; chronic illness and long-term medical conditions. Support programmes for all students are individualised and based upon a detailed needs assessment process.

A total of 86 students registered with DSS graduated from UCD in summer 2006.

- The New ERA Programme for disadvantaged schools and communities chartered new waters in 2005/06 with the establishment of the 'Stepping Stones Project' which offers 4th and 5th class pupils at primary school and their parents a first experience of university through innovative workshops and fun activities on campus. New ERA also collaborated with the UCD School of Mathematical Science in the *Discovering Maths* project. Transition Year pupils in link schools investigated and made presentations in UCD on some of the world's unsolved maths problems. Up to 3,000 pupils in primary and second level schools participated in New ERA's Outreach activities.
- UCD New ERA was delighted to receive scholarship funding for students from two new donors in 2005/06, namely Boylan Brothers Ltd and Phyllis Purcell (donated in memory of her parents James and Maria Purcell). Without the generous support of all its

Pupils from New ERA linked schools St John's College and Caritas College, Ballyfermot attending a science workshop at CSCB



donors (private and public), New ERA could not deliver on its equality of access objective. There were 82 New ERA graduates from all programmes in summer 2006.

- Two thirds of those completing the Access Courses (for adult learners) were subsequently offered places in higher education institutions, making this a highly successful university access programme.
- The number of mature students entering UCD annually is rising steadily. The supports offered by the Mature Student Support Service and the Adult Education Centre has been critical to attracting and informing potential learners of various higher education options; supporting students to make application to the university and preparing and up-skilling learners who have been out of the formal education system for a period of time to effectively manage the academic demands of third-level study.
- The Mature Student Orientation programme attracted over 150 students in early September. The demand from mature students for academic skills workshops, as well as one-on-one advice has doubled over the past year.

FUTURE OBJECTIVES

- A central objective of the *UCD Horizons* initiative is to exploit the flexibility of a modular curriculum to make the core educational programmes of the university accessible to a more diverse group of learners. Over the coming year UCD aims to develop progression routes from accredited learning paths in further and higher education, in order to facilitate part-time and other non-traditional students to access *UCD Horizons*.

- Rigorously evaluate the impact of existing and new widening participation initiatives through a collaborative research project with UCD Geary Institute.
- Enhance research capacity in this uniquely under-researched area in Ireland.
- Begin to address the higher education access, equity and support needs of new communities to Ireland, as well as indigenous ethnic groups such as members of the travelling community.

Statistical Overview 2005/06

	New entrants	Total
Students with a Disability	111	376
New ERA students	111	375
Mature Students	356	1348
Access Course participants	130	130

In 2005/06 students from under-represented groups made up 14% of incoming undergraduate entrants.

UCD 150 SCHOLARSHIP PROGRAMME

To commemorate the 150th anniversary of the university, UCD established the UCD 150 Scholarship Programme for talented and highly motivated students who might otherwise be prevented from pursuing their studies at UCD for economic reasons. Following an extensive advertising and information campaign aimed at prospective students to UCD, seventeen outstanding individuals were selected from diverse backgrounds with differing life experiences. They all shared a determination to overcome significant barriers in order to fulfil their ambitions in third level education. The scholars will take up places in a wide range of undergraduate programmes in September 2006. Each UCD 150 Scholarship is valued at €9,000, which will be paid over three years. The scholarship is a further expression of the university's commitment to widening participation to under-represented groups in higher education.

FINANCIAL ASSISTANCE FOR STUDENTS

Student Services

UCD operates three distinct schemes for assisting students who find themselves in financial difficulty: the Student Welfare Fund, offering financial assistance to students who encounter unexpected difficulties during their time of study in UCD; the Student Assistance Scheme, designed to help those disadvantaged students in most need; and the Childcare Subsidy Scheme to assist those student parents most in need of financial assistance. These schemes are funded largely by European Social Funds through the National Development Plan with additional funding coming from student fines and donations.



Olga Murdoch is a third year computer science student from Ballinteer in County Dublin. With the assistance of the Childcare Subsidy Scheme, Olga's four year old son Jack attends the UCD crèche. The Scheme provides support to Olga's childcare costs and allows her to pursue her studies at UCD

UCD CRÈCHE

In February 2006 a new, not-for-profit company, Oakmount Crèche Ltd, was established to run the Rosemount crèche and the new crèche which is planned. Members of the company include staff and student parents and UCD staff. The Rosemount Crèche has also been refurbished and re-equipped.

STUDENT SUPPORT, CHAPLAINCY AND STUDENT ADVISERS

Student Services

Students need a strong and accessible support framework to help them achieve their academic and personal goals. UCD is committed to providing this framework through extensive formal support services and specific programme-based support teams. The Student Advisers and Chaplains act as student advocates and provide advice and information to students in relation to social, personal and practical issues. They also serve as a resource for students and staff regarding student support services and promote student-focused initiatives throughout the university.

*UCD Volunteers on
ALONE house
painting project for
the elderly*

PROGRESS TO DATE

Orientation September 2005

Orientation 2005 delivered a varied programme of events, both academic and social, to students new to the UCD campus. A key component of the Orientation Programme is the recruitment of continuing students who act as Orientation Guides. Student Advisers recruit and train these guides who facilitate the introduction of new students to campus life.

During 2005/06, Student Advisers were proactive in Programme Days, Cultural Diversity Week and UCD Volunteers Overseas. They played an active role in key UCD committees, such as the First Year Committee, the Student Welfare Executive and the Childcare Subsidy Committee.

*UCD Volunteers
with local children
in Haiti*

**UCD Volunteers Overseas projects**

The UCD chaplaincy launched the 'UCD Volunteers Overseas' (UCDVO) project in 2003. The project seeks to reach out to others who suffer and live in situations of poverty. It has developed greatly since its initial beginnings.

This year a group of 29 UCD students worked in Delhi, teaching street children, working in an orphanage, building an extension to a school already constructed by UCDVO and giving physiotherapy to disabled children in the Mother Theresa Orphanage. Thirty students worked on building walls to curb the effects of mudslides in Gros Morne, an isolated area of Haiti, as well as running a Sports Club for over 200 disadvantaged children, providing all resources and food for the children. Ten



students also travelled to Niger, one of the world's poorest nations, where they taught local children and worked in a Concern clinic for malnourished children in Tahoua.

This year the project was presented with a cheque for €25,000 by Tour de Force, a group of Gardaí who did a 900km charity cycle in France. The money will help to build a bridge in Gros Morne, Haiti, a vitally needed resource for an isolated people.

Alone project

A new development is a project in partnership with Alone - a voluntary organisation helping elderly people in need. UCD students worked on two projects in Dublin providing volunteers and resources.

Lectures and seminars

Business Ethics seminars were provided by one of the chaplaincy team at the UCD Michael Smurfit School of Business. This was in the area of Corporate Governance and Ethics in Financial Services. One of the team was also invited to give an academic paper at Boston College and invitations have been received from other international universities. Other courses have been given as part of a Masters in Clinical Psychology programme.

FUTURE OBJECTIVES

It is planned to build on the success of Orientation and to increase the number of Orientation Guides. A pilot peer-mentoring project is about to be implemented during the 2006/07 academic year.

The success of the Student Advisory Team initiative has led to plans for recruitment of more Student Advisers in 2006.

SPORT

Student Life

UCD Sport operates in partnership with the principal activities of the university to ensure a rounded and holistic education for all students. It also offers an opportunity for alumni to maintain their connection with the university. UCD Sport's overall strategy is to advance the university's reputation of hosting the best sports facilities in the country while also providing the opportunities for all at UCD to develop healthy life skills.

This will be achieved through specific and ambitious programmes, covering:

- Delivery of new state-of-the-art facilities including a swimming pool;
- Development and delivery of the UCD Institute of Sport and Health;
- Expansion of the UCD High Performance Centre;
- Implementation and expansion of sports education programmes;
- Development of the Sport Zone to create a concentration of sports facilities on the Belfield campus.

PROGRESS TO DATE

- The *Get in Gear* pilot project aimed at inactive students produced important results in early 2006. A joint initiative between UCD Sport and the UCD School of Physiotherapy and Performance Science, *Get in Gear* is a health promotion initiative aimed at encouraging students to get in shape following a timetable of fun and varied activities that suit their academic timetables. The programme aims to help participants develop a balanced lifestyle, reaping the benefits of exercise while studying in UCD.
- UCD Sport secured a €1.25 million grant to upgrade Belfield Bowl under the Government's Sports Capital Programme 2006. The project, which is part of the university's Campus Development Plan, will see UCD Soccer Club transfer from its current home, Belfield Park, to the Belfield Bowl, the home ground of the UCD Rugby Club.
- The establishment of a Golfing Centre of Excellence thanks to support from the R&A Foundation Bursary Scheme. UCD is the only third level institution in the Republic of Ireland to be a member of the scheme. The progress of all golf scholarship recipients in terms of both golf and academic performance is constantly monitored by UCD Sport. A tailored strength and conditioning programme is devised for each student

and supervised by Lisa Regan, UCD's Director of High Performance. Coaching is provided by the individual's own coach as well as John McHenry in the K Club and Neil Manchip in Carton House, who supervises the development of all UCD scholarship golfers. The golfers also have access to renowned sports psychologist Dr Aidan Moran. As well as having access to the practice ground and course at Elm Park, the scholarship students also have membership of both Royal Dublin and Portmarnock Golf Clubs.

- Professor Colin Boreham was appointed in April 2006 to the post of Director of the newly established UCD Institute of Sport and Health. The Institute will conduct research into the impact of sport on health, performance and lifestyle. It will serve as a resource for national sporting organisations in their efforts to raise participation, increase performance and promote sport and physical activity to the general population.
- The Irish Rugby Football Union relocated its High Performance Unit to the Belfield Campus. The unit is currently located on the Newstead (formerly Philips) site adjacent to the Institute of Sport and Health.
- Opening of the new Café Sport, provision of an aerobics studio and the Colours meeting room.



*Leinster Senior Cup
Final double goal
scorer Roisin Flinn
(left)*

NOTABLE ACHIEVEMENTS

- The Ladies' Hockey Club had a fantastic year retaining the Chilean Cup and also securing the Jacqui Porter Leinster Senior Cup for the first time in over fifty years. Player Lisa Jacob was also capped for the Irish senior team.
- The Men's Soccer Club secured victories in the Harding Cup, the Dr Tony O'Neill Under-21 League and the Leinster Senior League.
- The UCD hurlers won the Dublin Senior Hurling Championship for the second year in a row and went on to reach the Leinster Club Championship final where they were unfortunately defeated by James Stephens.
- UCD scholarship golfers enjoyed success on the national and international stage. Dara Lernihan won the Leinster Youths Amateur Open Championship. Niall O'Connor won the Boyd Quaich International Students' Golf Championship at the Royal and Ancient Golf Club, St. Andrews (R&A). Niall is the first Irish winner since renowned golfer and UCD graduate Dr David Sheehan.
- 2005/06 was a fine athletics season for current and former sports scholarship recipients. Joanne Cuddihy, Derval O'Rourke and Deirdre Ryan all delivered career best performances at the European Athletics Championships in Gothenburg in August. Joanne, a fourth year medical student finished in eighth place in the final of the 400m after running a personal best of 51.09 seconds in her semi final. This was Joanne's first major senior competition and the first time since 1962 that an Irish female athlete has reached the European Championships final at 400m. Former scholarship students and UCD Smurfit School graduates Derval O'Rourke and Deirdre Ryan also had exceptional performances. Derval reaffirmed her position as one of the world's best sprint hurdlers when she took a joint silver medal in the 100m. She also set a new Irish record, finishing in 12.72 seconds. Deirdre qualified for the final of the high jump competition by equalling her Irish record of 1.92 m. She finished in 13th place in the final with a height of 1.84 metres.

*European Athletics Championships
400m finalist Joanne Cuddihy*

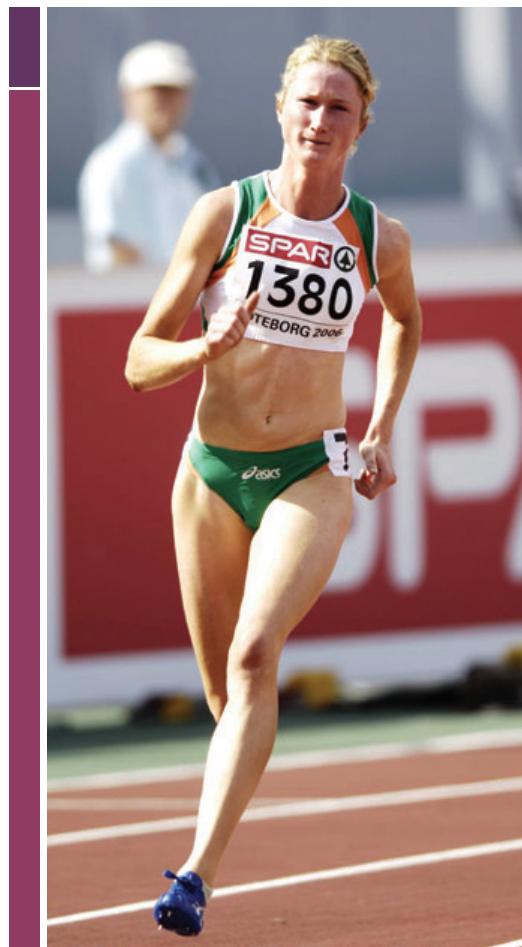
FUTURE OBJECTIVES

The strategy for further development of sport at UCD is twofold. Firstly, to develop top quality facilities on the campus which complement existing facilities. Secondly, to realise the concept of a focused 'healthy campus' environment in developing healthy life skills and aptitudes in the student and staff populations as a core value central to the mission of UCD Sport.

During 2005/06 the students have committed resources to fund the Student Centre extension, which includes a swimming pool and gym. Plans are already under way to construct this building in the precinct of the Student Centre and Sport Centre.

At the Institute of Sport and Health a number of initiatives have begun in association with the IRFU High Performance Unit and the UCD School of Physiotherapy and Performance Science.

Following the success of the pilot *Get in Gear* project a larger programme has been prepared. It is hoped to run this for students and staff, three times during the academic year.



MUSIC

Student Life

UCD maintains a wide range of performing ensembles, offering students a chance to get in touch with music of different ages and styles. The choirs and orchestras are open to anyone who has an interest in music and wants to commit some time to this passion.

The UCD Sinfonia, the UCD Choral Scholars, the UCD College Choir, the UCD Chamber Choir and Baroque Orchestra all act as UCD's cultural ambassadors on and off campus, providing evidence that its students not only have good academic credentials but are skilled practitioners too.

PROGRESS TO DATE

In 2005/06, the UCD Sinfonia presented two successful concerts, the first on campus in the Astra Hall and - reaching out to the wider community - the second in the National Concert Hall. The Orchestra continued its tradition of unearthing less well-known gems of the repertoire by presenting Richard Strauss's *Horn Concerto No. 1* (Soloist: Fergus O'Carroll). Redmond O'Toole was the soloist at the concert in February, playing Rodrigo's *Concierto de Aranjuez* on his Brahms guitar. Other highlights of the programmes were Beethoven's *Symphony No. 5*, Milhaud's ballet suite *La création du monde*, and Mendelssohn's *Hebrides overture*.

During the Sinfonia's February concert, UCD President, Dr Hugh Brady, presented the first Bank of Ireland Scholarships to members of the orchestra. The Bank has committed to support the Sinfonia by funding six annual Scholarships over the next three years. The Scholarships will be awarded based on performance at auditions early in the academic year.

The UCD Choral Scholars had a busy year, too. Their opening concert of the year in the Astra Hall featured Brahms' *Liebeslieder Walzer*, followed in April by a highly



UCD Sinfonia rehearsal

praised performance of Fauré's *Requiem* off campus in St Ann's Church. The Scholars also performed at student events around campus, at services for the UCD community throughout the academic year and at prestigious events like the UCD Foundation Day Dinner. Since many former Scholars have expressed an interest in continuing their relationship with the ensemble, future plans involve establishing an Alumni network and thus creating a new basis for keeping in touch with former members.

The UCD College Choir presented two successful concerts. The first consisted of two lunchtime recitals at the end of the first semester in the Student Centre, where Joanna Campbell-Griffin conducted a pre-Christmas programme entitled *Hamba Lulu*, featuring seasonal music from different countries and continents. This was followed by a concert in the Campus Church in March 2006 as part of UCD's celebration of Wolfgang Amadeus Mozart's 250th birthday. This concert featured the College Choir (with many of its members also acting as soloists) and music for organ and string quartet.

FUTURE OBJECTIVES

In 2006/07, students will be able for the first time to sing or play in UCD's choirs and orchestras for credit. The UCD Sinfonia, the UCD Choral Scholars, and the UCD Chamber Choir and Baroque Orchestra will be offered as elective modules within the *UCD Horizons* programme. If they pass the initial audition, students will be able to make their hobby part of their studies and learn from the skilled musicians they work with. Grades will be awarded based on the quality of the student's contribution and attendance record. It is hoped that this new opportunity will act as an additional incentive to join UCD's performing ensembles as they continue to prosper and link cultural life on campus to the wider community.

UCD Choral Scholars



STUDENT SOCIETIES

Student Life

The UCD Strategic Plan underlines the importance of student societies and their activities in the development of quality-driven extra-curricular educational, cultural and social activities for students. Societies offer significant opportunity for personal development, particularly with regard to life skills including organisational understanding, and people and time management.

Mary Dobbs was one of the organisers of the World Universities Debating Championships but has particularly shown her talents and her dedication in the UCD School of Law. She has been a stalwart member of the Law Society and an active member of the Free Legal Aid Centre. Mary graduated in Law and French Law in 2006 and is now a PhD student

PROGRESS TO DATE

There are now over 100 registered student societies in UCD with a cumulative membership of 35,000 students. The numbers participating in societies continue to rise and the largest societies in the university (the Commerce and Economics Society and the Law Society) now have in excess of 4,000 members.

The number of high profile and high capacity society events taking place on campus continues to rise. This year saw the establishment of the Erasmus Society which is affiliated to the international Erasmus Student Network, and also the Chinese Students' Society. 2006 will also see the first steps towards a new 'Campus Television Network' which has been set up as a society.

In addition, student societies plan an increasingly important role in other activities of the university, with societies now taking an active part in the UCD Open Days to promote the diversity and range of student events to prospective students.

Student societies continue to offer a unique opportunity for students to meet and hear major figures of international importance as well as many figures of popular culture. Guests to the campus included diplomat Hans Blix, academic Noam Chomsky, actors Nancy Cartwright, Dirk Benedict and John C McGinley and sports figures David O'Leary and Eddie O'Sullivan.



Highlights

In December 2005/January 2006 the Literary and Historical Society (L&H) organised the largest annual non-sporting student event in the world, the World Universities Debating Championships. Over 300 teams representing 40 countries and over 70 institutions debated topics of national and international importance. The Chair of the World Debating Council acclaimed the event as the best organised and most efficiently run event ever.

Societies also took the lead in organising and running the 'Yes' campaign in favour of raising the student levy to pay for a new Student Centre. This new building will become the heart of student activity and will incorporate state of the art facilities for debating, theatre, cinema, dance and sport.

FUTURE OBJECTIVES

2006 saw the launch of a new website: www.ucdevents.com. With the increase in the volume of student activities on campus it has become increasingly difficult to ensure adequate communication of information to campus users. The new website will become a resource to address this challenge with a dynamic events calendar, links to student pages and a password protected auditors section.

New regulations governing posterage and promotion on campus will be implemented to allow better advertising of events.

UCD Student Centre



Shaping Agendas

Through academic excellence, educating outstanding young graduates and leading-edge international research UCD continues to make a major contribution to Ireland and its place in the world.

The success of UCD's core academic mission of teaching and research is supported by the activities of internal and external communications, fundraising and alumni relations.

The role of UCD Communications is to ensure that a strong relationship is forged between the university and its stakeholders through a variety of communications channels. Audiences include both internal and external groups. All must be addressed with coherent messages and comprehensive information to provide understanding at home and abroad of UCD's many activities and the central role the university plays both in Ireland and within the global Irish community.

UCD Development and Alumni Relations provides a central link between UCD and the global alumni base worldwide. The Alumni Programme fosters a spirit of loyalty, involvement and lifelong commitment to the university. UCD Development and Alumni Relations is also responsible for securing increased private funding which allows the university to further improve its high standards of education and services.

Investment in education and research is essential to secure and expand UCD's ability to absorb, generate and harness new knowledge. This investment can be attracted through continuing to shape agendas and building relationships with alumni and others who support the university's work.



Communications

Development and Alumni Relations

Special Recognition

COMMUNICATIONS

The primary objective of UCD Communications is to raise awareness of UCD in Ireland and internationally through quality communications across all channels.

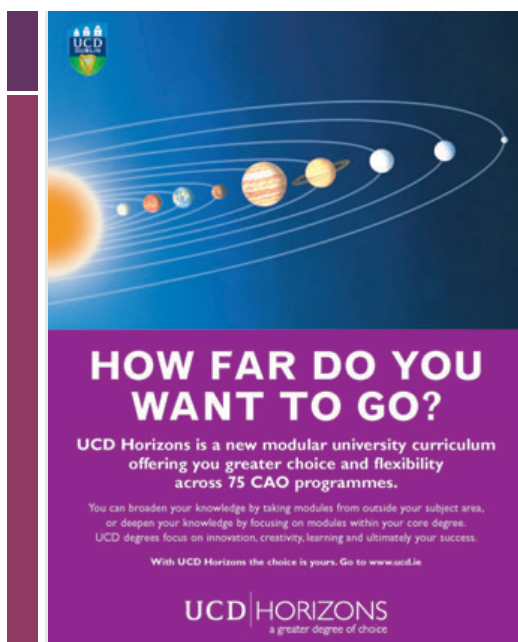
The objective is to encourage high-calibre students to come to UCD, to promote the research work of academics to a wider, non-academic audience and to provide a quality communications service to media and other stakeholders.

Keeping internal staff and student stakeholders informed and engaged is also a key objective for the university.

Over the past year UCD Communications has undertaken a number of transformation projects, designed to support the university's strategic objectives. The redesign of the website, the development and implementation of a marketing strategy for undergraduate student recruitment, the roll-out of consistent branding and a focus on communicating research outputs in the mass media were all prioritised.

UCD Communications offers a support service to key areas within the university; providing practical and strategic assistance in the areas of local marketing, event management, design and publication and public relations.

Press advertisement
for UCD Horizons



HOW FAR DO YOU WANT TO GO?

UCD Horizons is a new modular university curriculum offering you greater choice and flexibility across 75 CAO programmes.

You can broaden your knowledge by taking modules from outside your subject area, or deepen your knowledge by focusing on modules within your core degree. UCD degrees focus on innovation, creativity, learning and ultimately your success.

With UCD Horizons the choice is yours. Go to www.ucd.ie

UCD | HORIZONS
a greater degree of choice

WWW.UCD.IE



The UCD website (www.ucd.ie) is an enormous repository of essential, practical and interesting information. The key to its success is a design and navigation that is easy to manage and maintain at local level and that lets the user access information efficiently. During the year UCD Communications worked with Schools to restructure their web content and publish in the new template. The UCD School of Biomolecular and Biomedical Science (www.ucd.ie/sbbs/index.html) site is a good example where the UCD template is being used to maximise the impact and reach of research, teaching and staff information.

PROGRESS TO DATE

The marketing campaign designed to increase awareness of the new UCD Horizons curriculum contributed to a rise of 10.4% in first preference applications over the previous year.

The branding project created a single strong identity, replacing numerous disparate logos and creating a sense of UCD as the entity of recognition for staff, students and visitors.

An emphasis on quality and relevance influenced the redesign of university literature in terms of content and style. Examples include the alumni magazine *UCD Connections* and the *UCD Horizons* prospectus.

10-million-year-old fossilised frog specimen held by the Museu de Geologia del Seminari, Barcelona, Spain

UCD Today and the online news service continue to promote work of interest to our internal and external audiences. Special emphasis is given to promoting research and events in the national and international media.

Building on the findings of the Internal Communications Task Force, the position of Internal Communications Manager was established. As well as assisting senior management in establishing two-way channels of communications with staff and students, the role works to promote and demonstrate the wide range of activity that takes place within the university, helping to foster a dynamic and engaged community.

The redesigned website was rolled out across the university and extensive training and support was provided to encourage localised content update and management by Schools and units.

UCD Communications has been shortlisted for industry awards in branding, advertising and internet communications.

Strong UCD branding used to promote the visit of world renowned linguist Noam Chomsky



FUTURE OBJECTIVES

The future presents new challenges in terms of increased competition in the undergraduate sector. UCD Communications will continue to develop and implement plans to promote UCD in support of the efforts of the Student Recruitment Office.

The development of a university strategy for fourth-level education and research and the creation of five new Graduate Schools will require individual communications strategies under the banner of graduate studies and postdoctoral training.

INTERNATIONAL MEDIA COVERAGE



One research output promoted by UCD Communications was the work undertaken by Maria McNamara. As part of a team of researchers she managed to extract the first ever example of fossilised bone marrow from frogs and salamanders that died over 10 million years ago in a sub-tropical lake in north-eastern Spain (see p 22). Following publication in the academic journal, Geology, the story was written up for UCD Today, the national and international media. It appeared in broadcast, print and electronic media throughout the world.

Through a wide range of channels and mechanisms UCD Communications will continue to build and promote effective two-way communication frameworks and policies to encourage meaningful dialogue and feedback around crucial issues for the UCD community.

The focus on communicating research outputs to non-academic audiences remains a key objective for the future.

The launch of the architectural competition for the Gateway Project will require in-depth communications with stakeholders in Ireland and internationally.

DEVELOPMENT AND ALUMNI RELATIONS



Newman Scholars pictured here with Dr Hugh Brady, President, UCD: Aurora Trif, AIB & Aughinish Alumina - New Employment Relations; Aoife O'Donovan, Craig Dobbin - Mental Health; Brenda Murphy, Ann Westby - Food Safety; Annetta Zintl, Cuisine de France - Food Safety; Declan Healy, Punchestown Kidney Research Fund - Kidney Research; Aisling O'Riordan, Baxter Healthcare Ltd - Nephrology; Denise Drudy, Diageo - Food Safety; Joanna Griffin, Pfizer Animal Health UK - Animal Health; Carmen Negredo, C & C - Food Safety; Rebecca O'Mahony, Dunnes Stores - Food Safety; Ciara Walsh, Dawn Farm Foods - Food Safety

UCD Development and Alumni Relations supports UCD's strategic plan through the creation of a permanent fundraising structure that will deliver a continuous programme of communication, involvement and relationship building with key constituencies.

The aim of this programme is to build a shared vision with UCD's constituents and to engage past, current and future donors in that vision. These will include both our alumni and new prospective donors who will be identified through the social and business networks of our board members, major donors, and influential friends.

UCD each year. An electronic newsletter is distributed each month to all alumni who opt to receive email from UCD.

PROGRESS TO DATE

Scholarship Programmes

Development activity was focused on the funding of the UCD Scholarship programmes to promote academic excellence and to provide people from disadvantaged backgrounds with the benefits of a university education.

AIB Bank made a very generous donation to support the provision of scholarships to the New ERA Access programme.

The Keith Cameron Chair in Australian Studies

The Australian Government has pledged a large sum to endow the Keith Cameron Chair of Australian Studies. The pledge was made during the visit of John Howard, the Australian Prime Minister to UCD in May 2006.

The Mícheál Ó Cléirigh Institute

The Mícheál Ó Cléirigh Institute received a major donation towards its work on the preservation of the Irish Franciscan archive.

Australian Prime Minister John Howard on his visit to UCD



A donor cultivation programme has been established in Ireland and the USA to identify, cultivate and solicit donors for major gifts that will allow UCD to deliver on its strategic objectives.

An enhanced programme of communication has been established to communicate regularly with our alumni utilising both printed and electronic communications. This programme guarantees that all of our alumni will receive a minimum of one official communication from

Newman Fellowships

2006 has been another successful year for the Newman Fellowships programme with the funding of seven new Newman Fellowships during the year. The annual Newman Fellows dinner in Newman House was revived to celebrate UCD's premier academic research support programme.

The event gives the university an opportunity to thank our donors and encourage them to continue their support of the Newman programme. The event also highlights the importance of donors within the UCD research agenda. It provides them with an opportunity to meet the Fellows they sponsor in person. The Fellows in turn can present their research and explain the importance of the Newman Fellowship to their work.

Pictured are artist Seamus McGuinness (left), UCD's first Ad Astra scholar, with Professor Kevin Malone standing with the 21 Grams installation

FUTURE OBJECTIVES

UCD will continue to enhance the services available to our alumni and to broaden and deepen relationships with them. We will develop a program of benefits available to all alumni, organise alumni related events focused on schools and colleges and cater for specific needs and interests.

The alumni web site will continue to be developed to facilitate alumni interaction with classmates, affinity groups and the university. The web site will act as the main channel for this communication and actively encourage and motivate alumni to engage with the UCD community in new ways.

Alumni, staff and students will have an opportunity to assist the university realise its strategic goals by supporting the UCD affinity credit card programme which will be re-launched in the coming year with an updated design and new benefits for alumni.

Development activity will focus on working with the Colleges and Schools across the university to identify suitable projects, to engage potential donors to support these projects and to raise the funding necessary to deliver on plans.

AD ASTRA SCHOLAR PROFILE

The first externally funded Ad Astra scholarship in Suicide Studies was awarded to textile artist Seamus McGuinness, who is based at the UCD School of Medicine and Medical Science. A lecturer in textile design from Donegal, he has been working in the area of suicide for several years.

In late 2003, he began gathering old and disused men's white shirts, sculpted the remnants of these shirts into the shapes of young male human form and placed them together in his art. Although these



remnants were different shapes and sizes, they all weighed 21 grams, the mythical weight of the human soul. The shirts depicted the lives lost and the empty shell of early manhood left behind with the destruction in its wake.

In November 2005, Seamus brought this piece of textile art to a textile art conference in Lithuania where over 260 pieces of art by artists from 92 countries were on display. Seamus' piece 21 Grams won the top international award for 'art in a social context'.

Seamus is now working on his next piece of art titled The Presence of Absence - a further exploration of suicide in modern Ireland through textile art. At UCD he will work under the direction of UCD Professor of Psychiatry, Kevin Malone, and their intention is to move from awareness to the acquisition of new knowledge around suicide.

The Ad Astra Scholarship allows UCD to foster Seamus' creativity and provides an institutional platform to visually depict the problem and tragedy of suicide in modern Ireland.

SPECIAL RECOGNITION

HONORARY DEGREES

Honorary Degrees were conferred on the following in June 2006:

Eileen Collins

Eileen Collins was conferred an Honorary Doctor of Science in recognition of her achievement in becoming the first woman to pilot and command a NASA space shuttle and spend a total of 872 hours in space over four different missions. She was also recognised for the work she does in encouraging young people to choose careers in maths, science and engineering and to choose those subjects at school.

Anthony Cronin

Anthony Cronin was conferred an Honorary Doctor of Literature in recognition of his work as a distinguished poet and author. He was cultural and artistic adviser to the former Taoiseach, Charles J Haughey and the founding member of Aosdána, of which he was made a Saoi in 2003.

Peter Gleeson

Peter Gleeson was conferred an Honorary Doctor of Laws in recognition of his contribution to Irish business. As Chairman and CEO of Castle Knitwear he enhanced the company's commercial success in an extremely competitive climate. He served on the board of the Smurfit Group for two decades and is a committed philanthropist to medical and educational causes.

Michael Kelly SJ

Michael Kelly was conferred an Honorary Doctor of Laws in recognition of his work with Irish Aid in the development of its policy on HIV/AIDS in the education sector in Zambia and other African countries. His

contribution to the complex subject of HIV/AIDS combines the highest standards of scholarship with compassion and courage.

Paul Rusesabagina

Paul Rusesabagina was conferred an honorary Doctor of Laws for his humanitarian actions during the Rwandan genocide of 1994 when, as manager of the Hotel des Mille Collines, he sheltered over 1,268 Tutsis and moderate Hutus from being slaughtered by the Interahamwe militia. The film *Hotel Rwanda* is based on this story.

José Saramago

José Saramago was conferred an Honorary Doctor of Literature in recognition of his work as an author. He won the Nobel Prize for Literature in 1998 and has also written poetry, essays, plays and a journal. Born in Portugal, he was educated as a technician and had several manual jobs before devoting himself to writing in 1979 when he won international acclaim in his mid-fifties.

FOUNDATION DAY MEDAL

Paddy Hillery

An outstanding UCD alumnus, Dr Paddy Hillery was awarded the Foundation Day Medal in November 2005 to honour his enormous contribution to Irish public life. As a government Minister over three decades, he served in several Departments, including Education, where he set up the Commission on Higher Education whose report in 1965 was a landmark in shaping Irish education for the rest of the twentieth century. As President of Ireland from 1976 to 1990 he was widely applauded for his integrity, honesty and devotion to duty.



(Right to left)
Dr Peter Gleeson,
Dr José Saramago,
Dr Hugh Brady,
President, UCD,
Dr Anthony Cronin
and Dr Michael Kelly
SJ at the UCD
honorary conferring
in June 2006

Prof Klaus Schwab (left) pictured with Kieran McGowan, Chairman of UCD's Governing Authority

ULYSSES MEDALS

James Heckman

Professor Heckman received the Ulysses medal for his contribution to research in economics and human behaviour. He has taken a very strong interest in the economic benefits of investment in early child wellbeing. His work shows that the early childhood environment has a direct influence on the subsequent economic success of that child into adulthood. Winner of a Nobel prize for economics in 2000, Professor Heckman has taken up an appointment as UCD Professor of Science and Society this year.

Edna O'Brien with Prof Andrew Carpenter, Head of the UCD School of English and Drama



Edna O'Brien

Aoibhinn Ní Shúilleabháin (BSc) and Brian Dooher (MBV) both received UCD Foundation Day awards for outstanding achievements in 2005

Edna O'Brien received the Ulysses Medal in recognition of her contribution to Irish literature over five decades. She has written plays, children's books, essays, screenplays and non-fiction works about Ireland. She has received several literary awards, including the *Kingsley Amis Award for fiction* in 1962, the *Yorkshire Post Novel Award* in 1971 and the *Los Angeles Times Book Prize* in 1990. Her literary papers have been added to UCD Special Collections in the UCD James Joyce Library and she has been appointed Adjunct Professor of Creative Writing at the university.

Klaus Schwab

Professor Schwab was awarded the UCD Ulysses Medal in recognition of his work for entrepreneurship in the global public interest over the past 35 years. He was Professor of Business Policy at the University of Geneva from 1972 to 2002. He founded the World Economic Forum in 1971 as a non-profit foundation, and under his leadership it promotes global partnership as a means of tackling issues such as third world debt, international trade, the global TB epidemic and the Middle East peace process.



FOUNDATION DAY AWARDS

Two young graduates received Foundation Day Awards in November 2005.

Aoibhinn Ní Shúilleabháin began her UCD career as an entrance scholar in 2001. She completed her undergraduate studies with a first-class honours BSc in Theoretical Physics and was conferred last December. Winning the Rose of Tralee in the summer of 2005 brought Aoibhinn to the attention of the nation. She displayed a passionate and unapologetic advocacy for science alongside her strong and gifted personality. In her first public engagement as Rose of Tralee, at the BA Festival of Science, she encouraged students to pursue careers in science.



Brian Dooher was Captain of the 2005 All-Ireland Gaelic Football champions Tyrone. He is one of UCD's outstanding graduates who has managed to combine the academic rigours of achieving a degree in veterinary medicine (MBV 1998) with enough talent and determination to win a Sigerson Cup medal for UCD in 1995. Brian took up the mantle of Cormac McAnallen after his tragic death in 2004 and showed his true leadership qualities in the manner in which he led Tyrone to All-Ireland victory the following year.

A background image of a lecture hall filled with students, overlaid with a semi-transparent red filter. The students are seated in rows, looking towards the front of the room.

6

Staff Developments

The realisation of UCD's strategy requires an unprecedented commitment to staff. This will be done through the strategic recruitment of new staff and facilitating the fullest development of current staff.

Success in supporting the strategy through the university's staff will result in UCD being a place where the individual is valued and nurtured, where performance is assessed in an appropriate and structured manner, and where all staff can access suitable opportunities for personal and professional development.



Appointments to Professor

Appointments to Associate Professor

Appointments to Senior Lecturer

Senior Management Appointments

UCD Carnival Day

STAFF DEVELOPMENTS

The UCD Strategic Plan 2005-2008 lays particular emphasis on the primary importance of all university staff and their role in delivering the plan. A number of key elements in our staffing strategy are particularly highlighted in making this aspiration a reality. They include the development of opportunities for career development for staff at all levels in all disciplines and the continuing attraction of leading academics and researchers to UCD.

During 2005/06, a number of key developments within the staffing area were initiated or developed further in support of the goals within the Strategic Plan. They included:

- The first round of internal promotions to full Professorial level;
- The first round of non-quota based internal promotions to Associate Professorial level;
- The continuation and development of the scheme of internal promotions to Senior Lecturer level.

The resulting set of opportunities for recognition of academic leaders places UCD to the forefront of organisations which provide a systematic and annual opportunity of academic advancement for its own staff. In addition to the recognition provided for candidates who are successful in these processes, UCD recognises the critical importance of providing developmental feedback to all aspiring candidates and significant input was devoted to this process and will continue to be given to this form of support.

The Strategic Plan identifies the importance of recruitment of new and diverse skill sets into UCD. 2005/06 saw considerable activity in the recruitment area with a substantial number of senior posts being advertised and filled. Some 90% of those recruited externally came from overseas. In addition, a range of thematic areas was identified which embraced both single and inter-disciplinary areas. This formed the basis of a substantial level of recruitment activity and contributed to the public invitation from UCD to leading researchers, nationally and internationally, to consider how their areas of interest might contribute to our strategy.

Personal promotion schemes for administrative staff were conducted during the period of this report and contributed further to the recognition of excellence of performance by a range of such staff. At a national level, the review body examining the role of technical staff concluded a new agreement setting out the framework within which this category of personnel would contribute within the sector over coming years.

Staff performance at all levels was highlighted as a critical enabler to the delivery of the Strategic Plan and substantial work was carried out in 2005/06, on a partnership basis, in identifying the key elements of a performance management and development scheme for introduction into UCD.

Underlying all of the staff initiatives outlined above remains the challenge of developing the leadership capability within the university at all levels and this will become an even more pronounced priority as the leadership roles within the new structures become firmly embedded within UCD.

APPOINTMENTS AND PROMOTIONS

The appointments listed are those made in the period from 1 September 2005 to 31 August 2006.

APPOINTMENTS TO PROFESSOR

The table below sets out the 35 academic appointments made in the period to positions of Professor and includes both new recruits to UCD and UCD staff promoted to the rank of Professor.

Name	Unit
Professor Janet Allen	UCD Conway Institute
Professor Dolores Cahill	School of Medicine & Medical Science
Professor Andrew Carpenter	School of English & Drama
Professor Alan Carr	School of Psychology
Professor Maeve Cooke	School of Philosophy
Professor Gabriel Cooney	School of Archaeology
Professor Leslie Daly	School of Public Health & Population Science
Professor Mary Daly	College of Arts & Celtic Studies
Professor Nicholas Daly	School of English & Drama
Professor Paul Devereux	School of Economics
Professor Michael L Doherty	School of Agriculture, Food Science & Veterinary Medicine
Professor David J Fegan	School of Physics
Professor John F Geary	School of Business
Professor Catherine Godson	Vice-President, Innovation & Corporate Partnerships
Professor Roderick Gow	School of Mathematical Sciences
Professor Patrick Guiry	Centre For Synthesis and Chemical Biology
Professor James Heckman	UCD Geary Institute
Professor Brigid Laffan	College of Human Sciences
Professor David W Lewis	School of Mathematical Sciences
Professor Owen Lewis	College of Engineering, Mathematical & Physical Sciences
Professor Patricia Lysaght	School of Irish, Celtic Studies, Irish Folklore & Linguistics
Professor Imelda Maher	School of Law
Professor Anthony Manning	School of Chemistry & Chemical Biology
Professor John Meenaghan	School of Business
Professor Ian O'Donnell	School of Law
Professor Cormac Ó Gráda	School of Economics
Professor Mark O'Malley	School of Electrical, Electronic & Mechanical Engineering
Professor Robert D O'Neill	School of Chemistry & Chemical Biology
Professor Gerard D J O'Sullivan	School of Physics
Professor Nicholas Quirke	College of Engineering, Mathematical & Physical Sciences
Professor Ciaran Regan	School of Biomolecular & Biomedical Science
Professor Colin Scott	School of Law
Professor Denis Shields	UCD Conway Institute
Professor Richard Sinnott	School of Politics & International Relations
Professor Da-Wen Sun	School of Agriculture, Food Science & Veterinary Medicine

APPOINTMENTS TO ASSOCIATE PROFESSOR

The table below sets out the academic appointments made in the period to positions of Associate Professor and includes both new recruits to UCD and UCD staff promoted to the rank of Associate Professor.

Name	Unit
Professor Maria Baghramian	School of Philosophy
Professor Frank Barry	School of Economics
Professor Christopher J Bean	School of Geological Sciences
Professor Julie Berndsen	School of Computer Science & Informatics
Professor Angela Bourke	School of Irish, Celtic Studies, Irish Folklore & Linguistics
Professor David Brayden	School of Agriculture, Food Science & Veterinary Medicine
Professor Patrick C Brennan	School of Medicine & Medical Science
Professor Cathal Brugha	School of Business
Professor Geraldine Butler	School of Biomolecular & Biomedical Science
Professor Sean Callanan	School of Agriculture, Food Science & Veterinary Medicine
Professor Blanaid Clarke	School of Law
Professor Danielle Clarke	School of English & Drama
Professor John Cotter	School of Business
Professor Thomas F Crosby	School of Agriculture, Food Science & Veterinary Medicine
Professor Mark A Crowe	School of Agriculture, Food Science & Veterinary Medicine
Professor J Stephen Daly	School of Geological Sciences
Professor Alexander Evans	School of Agriculture, Food Science & Veterinary Medicine
Professor Alan Fletcher	School of English & Drama
Professor Brian Fynes	School of Business
Professor Mary T Gallagher	School of Languages, Literatures & Film
Professor William Gallagher	School of Biomolecular & Biomedical Science
Professor Declan Gilheany	School of Chemistry & Chemical Biology
Professor Theo Harden	School of Languages, Literatures & Film
Professor Thomas J Hayden	School of Biology & Environmental Science
Professor Conor Heneghan	School of Electrical, Electronic & Mechanical Engineering
Professor Nicholas Holden	School of Agriculture, Food Science & Veterinary Medicine
Professor Michael Laffan	School of History & Archives
Professor Patrick Lonergan	School of Agriculture, Food Science & Veterinary Medicine
Professor Fionnuala Mc Auliffe	School of Medicine & Medical Science
Professor Frank McDermott	School of Geological Sciences
Professor David Madden	School of Economics
Professor Gerardine Meaney	School of English & Drama
Professor Wim Meijer	School of Biomolecular & Biomedical Science
Professor Derek Mitchell	School of Biology & Environmental Science
Professor Paul Moynagh	School of Biomolecular & Biomedical Science
Professor Paul Murphy	School of Chemistry & Chemical Biology
Professor William Nolan	School of Geography, Planning & Environmental Policy
Professor John V O'Doherty	School of Agriculture, Food Science & Veterinary Medicine
Professor Deirdre O'Grady	School of Languages, Literatures & Film
Professor Tadhg O'Keeffe	School of Archaeology
Professor Frank O'Mara	School of Agriculture, Food Science & Veterinary Medicine
Professor Dolores O'Riordan	School of Agriculture, Food Science & Veterinary Medicine
Professor Suzanne Quin	School of Applied Social Science
Professor Vera Regan	School of Languages, Literatures & Film

Name	Unit
Professor Richard Reilly	School of Electrical, Electronic & Mechanical Engineering
Professor Anthony V Roche	School of English & Drama
Professor Cormac Taylor	School of Medicine & Medical Science
Professor Jennifer Todd	School of Politics & International Relations
Professor Patrick Wall	School of Public Health & Population Science
Professor Dominic Walsh	UCD Conway Institute
Professor John Walsh	School of Geological Sciences
Professor Nicholas J A Williams	School of Irish, Celtic Studies, Irish Folklore & Linguistics

APPOINTMENTS TO SENIOR LECTURER

The table below sets out the academic promotions made in the period to positions of Senior Lecturer.

Name	Unit
Dr Michela Bertolotto	School of Computer Science & Informatics
Dr Catherine Blake	School of Physiotherapy & Performance Science
Dr Anthony Brabazon	School of Business
Dr Joanna Bruck	School of Archaeology
Dr Vitaly Buckin	School of Chemistry & Chemical Biology
Dr Mary T Carney	School of Nursing, Midwifery & Health Systems
Dr Neil Cartlidge	School of English & Drama
Dr Christine Casey	School of Art History & Cultural Policy
Dr Brian Caulfield	School of Physiotherapy & Performance Science
Dr Tasman Crowe	School of Biology & Environmental Science
Dr Theo De Waal	School of Agriculture, Food Science & Veterinary Medicine
Dr Fiona Doohan	School of Biology & Environmental Science
Dr David Edelman	School of Business
Dr Peter D W Haughton	School of Geological Sciences
Dr Julian Horton	School of Music
Ms Lynne Hughes	School of Agriculture, Food Science & Veterinary Medicine
Dr Peter Keenan	School of Business
Dr Alexey Lastovetsky	School of Computer Science & Informatics
Dr Michael Long	School of Architecture, Landscape & Civil Engineering
Dr Steven Loyal	School of Sociology
Dr Susan McDonnell	School of Chemical & Bioprocess Engineering
Dr Ronan McNulty	School of Physics
Dr Evelyn Murphy	School of Agriculture, Food Science & Veterinary Medicine
Dr Keith Murphy	School of Biomolecular & Biomedical Science
Dr Jens Erik Nielsen	School of Biomolecular & Biomedical Science
Dr Kevin O'Connor	School of Biomolecular & Biomedical Science
Dr Ken O'Halloran	School of Medicine & Medical Science
Dr Gary O'Reilly	School of Psychology
Dr Patrick Orr	School of Geological Sciences
Dr James O'Shea	School of Philosophy
Dr John Quinn	School of Physics
Dr Scott Rickard	School of Electrical, Electronic & Mechanical Engineering
Dr Mark Scott	School of Geography, Planning & Environmental Policy
Dr Rowland Stout	School of Philosophy
Dr Paul Whyte	School of Agriculture, Food Science & Veterinary Medicine

SENIOR MANAGEMENT APPOINTMENTS

The table below sets out the senior management appointments made in the period which include new recruits to UCD and promoted UCD staff.

Name	Title	Unit
Professor Janet Allen	Director - UCD Conway Institute	UCD Conway Institute
Professor Tom Begley	Dean of School of Business	College of Business & Law
Professor Colin Boreham	Director - National Institute of Sport and Health	National Institute of Sport and Health
Dr Marc Caball	Director - UCD Humanities Institute of Ireland	UCD Humanities Institute of Ireland
Mr Tony Carey	Director of Strategic Planning	President's Office
Ms Mary Crowe	Chief Information Technology Officer	IT Services
Professor Mary Daly	College Principal	College of Arts & Celtic Studies
Mr Eamon Drea	Vice-President for Staff	Office of the Vice-President for Staffing
Dr Aoibheann Gibbons	Interim Director of Research Strategy	Research Administration
Professor Patrick Guiry	Director - Centre for Synthesis and Chemical Biology	Centre for Synthesis and Chemical Biology
Mr Paul Haran	College Principal	College of Business & Law
Mr Brian Jackson	Director - Global Irish Institute	Global Irish Institute
Professor Brigid Laffan	College Principal	College of Human Sciences
Professor Brian McKenna	College Principal	College of Life Sciences
Professor Nicholas Quirke	College Principal	College of Engineering, Mathematical & Physical Sciences
Dr Liming Wang	Director - Centre for Chinese Studies	Centre for Chinese Studies

CARNIVAL DAY

A record number of UCD staff, with their families and friends, attended this year's Carnival Day, held on the campus on 17 June. The day was organised by the 2006 UCD Carnival Day Committee and generously supported by a number of sponsors.



The background of the page is a grayscale photograph of a courtyard at University College Dublin (UCD). In the foreground, there is a paved area with a person sitting on the ground on the left and another person walking on the right. A trash bin is visible in the middle ground. In the background, there is a large, modern building with a grid-like facade of windows and balconies. The overall tone is academic and institutional.

7

Appendix 1, New UCD Academic Structure: Colleges and Schools

The new academic structure is a key element of UCD's strategy and came into effect on 1 September 2005. Five Colleges and 35 Schools replaced over 90 Departments and 11 Faculties.

UCD COLLEGE OF ARTS AND CELTIC STUDIES



College Principal
Prof Mary E. Daly



UCD School of History and Archives
HEAD OF SCHOOL
Dr Michael Laffan



UCD School of Archaeology
HEAD OF SCHOOL
Dr Muiris Ó Suilleabháin



**UCD School of Irish, Celtic Studies,
Irish Folklore and Linguistics**
HEAD OF SCHOOL
Prof Séamas Ó Catháin



**UCD School of Art History & Cultural
Policy**
HEAD OF SCHOOL
Dr Paula Murphy



**UCD School of Languages, Literatures
and Film**
HEAD OF SCHOOL
Cliona de Bhaldráithe-Marsh



UCD School of Classics
HEAD OF SCHOOL
Dr Michael Lloyd



UCD School of Music
HEAD OF SCHOOL
Dr Wolfgang Marx



UCD School of English and Drama
HEAD OF SCHOOL
Prof Andrew Carpenter

UCD COLLEGE OF HUMAN SCIENCES



College Principal
Prof Brigid Laffan



UCD School of Philosophy
HEAD OF SCHOOL
Dr Gerard Casey



UCD School of Applied Social Science
HEAD OF SCHOOL
Dr Valerie Richardson



UCD School of Politics and International Relations
HEAD OF SCHOOL
Prof Attracta Ingram



UCD School of Economics
HEAD OF SCHOOL
Prof Rodney Thom



UCD School of Psychology
HEAD OF SCHOOL
Dr Barbara Dooley



UCD School of Education and Lifelong Learning
HEAD OF SCHOOL
Prof Sheelagh Drudy



UCD School of Social Justice
HEAD OF SCHOOL
Dr Sara Cantillon



UCD School of Geography, Planning and Environmental Policy
HEAD OF SCHOOL
Dr Joe Brady



UCD School of Sociology
HEAD OF SCHOOL
Dr Kieran Allen



UCD School of Information and Library Studies
HEAD OF SCHOOL
Prof Mary Burke

UCD COLLEGE OF LIFE SCIENCES



College Principal
Prof Brian McKenna



UCD School of Medicine and Medical Science
HEAD OF SCHOOL
Prof William Powderly



UCD School of Agriculture, Food Science and Veterinary Medicine
HEAD OF SCHOOL
Prof Maurice Boland



UCD School of Nursing, Midwifery and Health Systems
HEAD OF SCHOOL
Dr Marie Carney



UCD School of Biology and Environmental Science
HEAD OF SCHOOL
Prof Thomas Bolger



UCD School of Physiotherapy and Performance Science
HEAD OF SCHOOL
Dr Catherine Blake



UCD School of Biomolecular and Biomedical Sciences
HEAD OF SCHOOL
Dr Paul Moynagh



UCD School of Public Health and Population Sciences
HEAD OF SCHOOL
Prof Cecily Kelleher



UCD School of Chemistry and Chemical Biology
HEAD OF SCHOOL
Prof Michael McGlinchey

UCD COLLEGE OF ENGINEERING, MATHEMATICAL AND PHYSICAL SCIENCES



College Principal
Prof J Owen Lewis



**UCD School of Electrical, Electronic
and Mechanical Engineering**
HEAD OF SCHOOL
Dr David FitzPatrick



**UCD School of Architecture,
Landscape and Civil Engineering**
HEAD OF SCHOOL
Dr Mark Richardson



UCD School of Geological Sciences
HEAD OF SCHOOL
Prof Patrick Shannon



**UCD School of Chemical and
Bioprocess Engineering**
HEAD OF SCHOOL
Prof Don MacElroy



**UCD School of Mathematical
Sciences**
HEAD OF SCHOOL
Prof Adrian Ottewill



**UCD School of Computer Science
and Informatics**
HEAD OF SCHOOL
Prof Barry Smyth



UCD School of Physics
HEAD OF SCHOOL
Prof Gerry O'Sullivan

UCD COLLEGE OF BUSINESS AND LAW



College Principal
Paul Haran



UCD School of Law
HEAD OF SCHOOL/DEAN
Prof Paul O'Connor



UCD School of Business
HEAD OF SCHOOL/DEAN
Prof Tom Begley