



# UCD Facilities

## Marie Curie 2012

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<b>Nova UCD</b>	
<b>Description</b>	<p>Nova UCD, the Innovation and Technology Transfer Centre, is the hub of knowledge transfer activities at University College Dublin. Nova UCD is responsible for the implementation of UCD policies relating to intellectual property (IP) and for the provision of advice on the identification, protection and exploitation of this IP. Nova UCD works with UCD researchers in identifying the most appropriate business model for the commercialisation of the IP which may involve licensing to commercial partners or the creation of spin-off companies.</p> <p>Nova UCD provides entrepreneurs and knowledge-based start-up companies with a comprehensive business support programme comprising advice, seminars, consultancy, workshops and individual training. Nova UCD also provides incubation and other related facilities for entrepreneurs, campus companies and knowledge-based ventures.</p>
<b>Research Facilities</b>	<ul style="list-style-type: none"><li>• Over 40 incubation units (15 square metres to 64 square metres in size)</li><li>• 6 bio incubation laboratories</li><li>• 14 desk spaces</li><li>• 6 meeting/seminar rooms including boardroom</li><li>• Café</li></ul>
<b>Website</b>	<a href="http://www.ucd.ie/nova">http://www.ucd.ie/nova</a>

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	<b>Research IT Services</b>
<b>Description</b>	Research IT Services provides a range of services designed to support and facilitate researchers in their use of IT as an enabler for their research activities.
<b>Research Facilities</b>	<p><b>Compute Clusters</b></p> <p>Compute clusters have become an increasingly important tool for many researchers within the University. Research IT Services provides compute cluster facilities to researchers of different usage levels and requirements.</p> <p>Members of the UCD research community have the opportunity to utilise any of the three compute cluster services hosted on the campus, including the UCD ICHEC compute cluster service.</p> <p>Research IT Services currently administers a single physical High Performance Compute Cluster, Phaeton, which is hosted in the Research IT Data Centre providing the most reliable environment on campus for equipment hosting. This cluster is built on IBM Intel hardware and runs Red Hat Enterprise Linux 5. Each worker node within the cluster is currently an IBM HS21 XM Dual Xeon Quad Core E5430 Blade Server with 32GB RAM.</p> <p>Within this single hardware platform, Research IT Services provides two levels of service, a Shared Compute Service which is free to all UCD registered users and a Community Compute Service which in an innovative contribution based service.</p> <p><b>Collaboration &amp; Visualisation Space</b></p> <p>Visual communication is an important facet of effective communication for enhanced collaborative learning and research. Research IT Services is keen to provide the user community with the tools required to ensure that as many communication opportunities as possible are exploited. To this end it provides a Collaboration Space in the Daedalus Building offering Video Conferencing, 3D Visualisation and Smartboard technologies. The technologies implemented within the room are cost effective solutions which can be implemented in various locations across campus.</p>
<b>Website</b>	<a href="http://www.ucd.ie/itservices/researchit/">http://www.ucd.ie/itservices/researchit/</a>

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	<b>UCD Library</b>
<b>Description</b>	<p>There are a total of four libraries across the UCD Belfield campus covering all the University's disciplines with a further facility at the Blackrock Smurfit Business School. In addition to the printed and ebooks available which support the research, teaching and learning at UCD, the Library is also home to several special collections. These collections include the Development Studies Collection, Law Collection as well as a collection of unique pre 1900 printed material and archival material. The new <i>Findit@UCD</i> Library service was launched in 2008/09. This portal of electronic journals and databases allows users to conduct searches across a range of products simultaneously.</p>
<b>Research Facilities</b>	<ul style="list-style-type: none"><li>• Four separate campus libraries on the Belfield campus plus one at Blackrock campus</li><li>• Group study rooms available at all locations</li><li>• Computer labs provided in the two larger libraries (James Joyce and Health Sciences)</li><li>• Laptops available on loan</li><li>• Access facilitated for all staff and students to the library's special collections</li><li>• E-Journal subscription</li></ul>
<b>Website</b>	<a href="http://www.ucd.ie/libraryandarchives.htm">http://www.ucd.ie/libraryandarchives.htm</a>
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	<b>UCD Conference &amp; Events</b>
<b>Description</b>	<p>UCD offers a full range of state of the art facilities for hosting a conference or event. The UCD Conference &amp; Events Office manages O' Reilly Hall, the university's major venue for events on campus. It also organises all internal logistical aspects of on-campus conferences as well as acting as an advisory service for UCD staff &amp; Academics organising conferences.</p>
<b>Research Facilities</b>	<p><b>O'Reilly Hall</b> Maximum capacity 1000 in a variety of settings. Catering can also be provided on site for any event.</p>
<b>Website</b>	<a href="http://www.ucd.ie/conferences/">http://www.ucd.ie/conferences/</a>
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<b>UCD Oakmount Crèche</b>	
<b>Description</b>	The UCD Oakmount Crèche is located beside a beautiful woodland area. This one storey building has two large gardens at its disposal. All staff are qualified childcare professionals and are supported with further education and training.
<b>Research Facilities</b>	<ul style="list-style-type: none"><li>• The UCD Oakmount Crèche provides onsite childcare facilities to UCD staff and students with provision for over 60 children.</li></ul>
<b>Relevance</b>	Particularly useful for research staff coming to UCD or Dublin for the first time, with no family support structure in place locally.
<b>Website</b>	<a href="http://www.ucd.ie/creche/">http://www.ucd.ie/creche/</a>

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<b>UCD Applied Language Centre</b>	
<b>Description</b>	The UCD Applied Language Centre (ALC) provides teaching, self-study, testing and advisory services across UCD and to the wider national and international community. The first customised language centre in an Irish University, the ALC provides an excellent range of high-quality facilities for language learners and teachers.
<b>Research Facilities</b>	The ALC offers programmes such as <ol style="list-style-type: none"><li>1. <a href="#">Foreign Language Electives</a> to undergraduate and graduate students in 12 international languages with levels ranging from beginners to advanced.</li><li>2. <a href="#">Graduate Programmes</a> (Grad Dip, H Dip &amp; Grad Cert) in Teaching English to Speakers of Other Languages (TESOL) aimed at pre- and post-experience teachers.</li><li>3. <a href="#">English Language courses</a> from beginners to advanced levels to international students including those who need a certain level of competence to gain entry to a degree programme in the University.</li></ol> <ul style="list-style-type: none"><li>• The ALC is actively involved in research and engaged in a wide number of independent language education projects and in partnership with international and international bodies. Current research projects are in a range of areas including language teacher education, the teaching of vocabulary, language testing, language policy and planning as well as many others.</li><li>• The ALC is Ireland's main and largest centre for IELTS (International English Language Testing System) examinations and is also a centre for Cambridge ESOL (English for speakers of Other Languages).</li></ul>
<b>Relevance</b>	Research teams being recruited from abroad, particularly PhD students.
<b>Website</b>	<a href="http://www.ucd.ie/alc/">http://www.ucd.ie/alc/</a>

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<b>UCD Veterinary Hospital</b>	
<b>Description</b>	The UCD University Veterinary Hospital (UVH) is a state of the art facility which provides clinical case material for the teaching and research needs of the clinical units. It offers facilities for both small and large animals.
<b>Research Facilities</b>	<p>The UVH is composed of a small animal area with dedicated surgical suites and intensive care facilities and a large animal area with dedicated farm animal and equine facilities all of which are complemented by modern diagnostic imaging and laboratory equipment. The UVH moved to its new purpose built premises in UCD in 2002 and since that time has strived to continually improve the facilities and equipment available. The equipment and facilities are state of the art and new additions include:</p> <ul style="list-style-type: none"><li>• full range of video endoscopic equipment for large and small animals</li><li>• <a href="#">the first dedicated veterinary 4 slice spiral CT scanner in Ireland</a></li><li>• <a href="#">dedicated hydrotherapy facility for small animals</a></li><li>• <a href="#">dog donor clinic</a></li><li>• equine treadmill</li><li>• radioisotope scanning</li><li>• access to small animal MRI</li></ul>
<b>Website</b>	<a href="http://www.ucd.ie/vthweb/index.html">http://www.ucd.ie/vthweb/index.html</a>

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<b>UCD Conway Institute</b>	
<b>Description</b>	<p>The UCD Conway Institute for Biomolecular and Biomedical Research is Ireland's largest biosciences research institute, dedicated to promoting knowledge, health and economic advancement through excellence in biomolecular and biomedical sciences.</p> <p>Through world-class facilities and infrastructural support, UCD Conway Institute enables researchers in the biosciences to compete successfully on the international stage and to place Irish bioscience in the global spotlight.</p>
<b>Research Facilities</b>	<p>The core technology programme consists of a number of technology platforms where state-of-the-art equipment is centrally located, properly maintained and managed by a cohort of expert staff who provide technical support to Conway researchers.</p> <p>Training is provided in sample preparation, instrument use and, depending on the technology, subsequent analysis of raw data. This allows Conway researchers access to high value, specialised equipment, which is properly maintained and managed.</p> <p>Core technology platforms:</p> <ol style="list-style-type: none"><li><b>1. Genomics &amp; Transcriptomics</b> <a href="#">Affymetrix GeneChip</a>; <a href="#">Real Time PCR</a>; <a href="#">Illumina Genome Analyser</a></li><li><b>2. Proteome Research Centre</b> <a href="#">Mass Spectrometry Resource</a>; <a href="#">Protein Separations Laboratory</a>; <a href="#">Protein Expression Factory</a></li><li><b>3. Microscopy</b> <a href="#">Electron Microscopy</a>; <a href="#">Transmission Electron Microscopy</a>; <a href="#">Scanning Electron Microscopy</a>; <a href="#">Transmission Light</a>; <a href="#">Fluorescent Light</a>; <a href="#">Confocal</a>; <a href="#">Live Cell</a>; Slide Scanner (Aperio); High Content Analysis; <a href="#">Atomic Force Microscopy (AFM)</a></li><li><b>4. Pre-Clinical Imaging</b> <a href="#">Pre-Clinical Imaging</a></li><li><b>5. Flow Cytometry</b> <a href="#">Flow Cytometry</a></li><li><b>6. Nuclear Magnetic Resonance (NMR)</b> <a href="#">Nuclear Magnetic Resonance (NMR)</a></li><li><b>7. Bioinformatics &amp; IT</b> <a href="#">Bioinformatics &amp; IT</a></li><li><b>8. Histological Sample Preparation</b> <a href="#">Histological Sample Preparation</a></li></ol>
<b>Website</b>	<a href="http://www.ucd.ie/conway/">http://www.ucd.ie/conway/</a>

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<b>UCD Centre for Synthesis and Chemical Biology (CSCB)</b>	
<b>Description</b>	<p>The CSCB is a collaboration in the chemical sciences between University College Dublin, Trinity College Dublin and the Royal College of Surgeons in Ireland.</p> <p>CSCB research provides an understanding of the chemical basis of biology and development, and the use of biological and chemical tools for chemistry, biology and medicine.</p>
<b>Research Facilities</b>	<ul style="list-style-type: none"><li>• <b>NMR Spectroscopy</b> - <a href="http://www.ucd.ie/cscb/main_pages/facilities/nmr_spectroscopy.htm">http://www.ucd.ie/cscb/main_pages/facilities/nmr_spectroscopy.htm</a></li><li>• <b>Mass Spectrometry</b> - <a href="http://www.ucd.ie/cscb/main_pages/facilities/mass_spectrometry.htm">http://www.ucd.ie/cscb/main_pages/facilities/mass_spectrometry.htm</a></li><li>• <b>Organic Synthesis</b> - <a href="http://www.ucd.ie/cscb/main_pages/facilities/organic_synthesis.htm">http://www.ucd.ie/cscb/main_pages/facilities/organic_synthesis.htm</a></li></ul>
<b>Website</b>	<a href="http://www.ucd.ie/cscb/">http://www.ucd.ie/cscb/</a>

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<b>UCD Geary Institute</b>	
<b>Description</b>	<p>The UCD Geary Institute is Ireland's leading economic and social research institute and is ranked in the top 5% of economic institutions in the world. The Institute is also home to the Irish Social Science Data Archive (ISSDA)</p> <p>The 1,360m<sup>2</sup> Geary Institute supports frontier methods of investigation, leading to the very best in research publications and to provide objective analysis and effective solutions that address the challenges facing policy makers.</p>
<b>Research Facilities</b>	<ul style="list-style-type: none"><li>• <b>ISSDA</b> (access to datasets) - <a href="http://issda.ucd.ie/index.html">http://issda.ucd.ie/index.html</a></li></ul>
<b>Website</b>	<a href="http://www.ucd.ie/geary/">http://www.ucd.ie/geary/</a>

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<b>Other UCD Institutes</b>	
<b>Description</b>	UCD has a number of research institutes in a variety of research areas.
<b>Research Facilities</b>	List of research facilities available from the Institute on request.
<b>Website</b>	Humanities Institute of Ireland: <a href="http://www.ucd.ie/hii/">http://www.ucd.ie/hii/</a> Complex and Adaptive Systems Laboratory: <a href="http://casl.ucd.ie/">http://casl.ucd.ie/</a> Earth Sciences Institute: <a href="http://www.ucd.ie/earth/">http://www.ucd.ie/earth/</a> Institute of Food and Health: <a href="http://www.ucd.ie/foodandhealth/">http://www.ucd.ie/foodandhealth/</a> Urban Institute of Ireland: <a href="http://www.ucd.ie/uii/">http://www.ucd.ie/uii/</a>

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<b>Major Inter-Institutional Collaborative Programmes</b>	
<b>Description</b>	UCD collaborates on a number of major inter-institutional programmes with other Irish Universities and entities. These collaborations create a critical mass of expertise in a number of key research areas and give UCD researchers access to world-class personnel and facilities.
<b>Research Facilities</b>	List of research facilities available from the Institute on request.
<b>Website</b>	Molecular Medicine Ireland: <a href="http://www.molecularmedicineireland.ie/">http://www.molecularmedicineireland.ie/</a> National Digital Research Centre: <a href="http://www.ndrc.ie/">http://www.ndrc.ie/</a> National Institute for Bioprocessing Research and Training: <a href="http://www.nibr.ie/">http://www.nibr.ie/</a> Technology Research for Independent Living: <a href="http://www.trilcentre.org/">http://www.trilcentre.org/</a>

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<b>New UCD Science Centre</b>	
<b>Description</b>	<p>When completed, the new UCD Science Centre, covering 67,000m<sup>2</sup>, will match the best science districts in the world. It will be home to Ireland's greatest concentration of scientific minds for decades to come, all working together in a world class environment to provide innovative solutions to global problems.</p> <p>2,000 undergraduates, 1,500 Masters and PhD students, and 1,000 scientists will benefit from state-of-the-art facilities. The UCD Science Centre follows the highly successful creation of a number of research institutes in UCD (e.g. Centre for Synthesis and Chemical Biology, Conway Institute of Biomolecular and Biomedical Research, and the Institute of Food and Health), and it will transform research, teaching, training and innovation in the sciences in Ireland. The emphasis will be on the four core disciplines of Biology, Chemistry, Mathematics and Physics.</p>
<b>Research Facilities</b>	<ul style="list-style-type: none"><li>• 67,000m<sup>2</sup> of space</li><li>• 20 lecture theatres (seating over 2,200)</li><li>• 11 seminar rooms</li><li>• 8 cutting edge laboratories (four biology, three chemistry and one science outreach)</li><li>• An Innovation Hub (centre for the UCD/TCD Innovation Alliance Programme)</li><li>• Discover Science Laboratory</li><li>• Science Outreach Auditorium (seating 250)</li><li>• Exhibition Space</li></ul>
<b>Website</b>	<a href="http://www.ucd.ie/campusdevelopment/transformationalprojects/sciencedistrict/buildingdescription">http://www.ucd.ie/campusdevelopment/transformationalprojects/sciencedistrict/buildingdescription</a>

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