Letter of Welcome

On behalf of the Office of the Vice President for Research and Innovation (OVPRI) and UCC Research Support Services (RSS), we welcome you to the first edition of Research View, a new University College Cork (UCC) publication that highlights the excellence of our research community and the impact of their research.

UCC is an internationally competitive, globally-focused, research-led university. It was Ireland’s first five-star University and is now ranked in the top 2% of universities worldwide, with internationally-recognised research in science, food, engineering, medicine, business, law, social sciences and the humanities. Each and every issue of Research View will focus on showcasing the quality, breadth, and significance of research carried out at UCC, and the spectrum of articles presented in this first issue is no exception.

Throughout the pages of this issue we learn of UCC’s new project management service, PrimeUCC, what is emerging in Horizon 2020 along with the reasons why it is crucial to archive the full text of your work. This issue also features an insight into UCC’s highly cited researchers and all the highlights from the Technology Transfer Office.

Research at UCC is exciting, ambitious and engaging. We look forward to sharing our research journey with you.

Professor Anita R. Maguire
Vice President for Research and Innovation

Dr David O’Connell
Director, UCC Research Support Services

Letter from the Editor

Welcome to the inaugural edition of Research View, a quarterly newsletter for faculty and researchers at UCC. The purpose of this newsletter is to announce research project awards and grants that have been funded in the previous quarter and to share with the university community the research accomplishments and related activities conducted by our faculty and researchers. Periodically, we will include feature articles or matters of interest to the research community as well as honours and awards received by faculty.

We expect that Research View will evolve as we gain more experience in preparing it. We welcome your comments, ideas, and participation.

Ms Deirdre Kearney
Research Information Officer, UCC Research Support Services

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Stay Connected

Research Support Services website (www.ucc.ie/en/research/) – This is our clearinghouse of information to help you conduct research.

UCC Research on Social Media
Through our Facebook page and twitter account, we aim to deepen and broaden our contact with diverse national and international organisations. We will highlight up-to-date information about UCC’s research community and share information and resources that you can use. We invite you to ‘like’ our Facebook page or follow us on twitter and start a conversation with us!

www.facebook.com/ResearchUCC
twitter.com/UCCResearch

Contributors

Dr Sonia Monteiro
Research Support Services
Ms Catherine Maguire
PRIME UCC
Professor John Cryan
Head of Department Anatomy & Neuroscience
Ms Breeda Herlihy
CORA Manager, Boole Library
Dr David Corkery
Technology Transfer Office
UCC Research Awards 2014

Established in 2012, the UCC Research Awards aims to recognise excellence and innovation, and to encourage and reward best practice. Highly competitive, these awards are sponsored by Gilead Sciences Ireland UC, and acknowledge excellence in research activity across five categories: ‘Early Stage Researcher of the Year’, ‘Research Supervisors of the Year’, ‘Research Support Person of the Year’, ‘Research Team of the Year’ and ‘Career Achievement Award’. Thirteen PhD Scholarships were also awarded through the Strategic Research Fund, supporting the stimulation of new research areas whilst also maintaining existing areas of research strength.

Hosted by the Vice President for Research and Innovation, Professor Anita Maguire, the 2014 Research Awards were presented by UCC President, Dr Michael B. Murphy (pictured with the awardees), at the Annual Awards Ceremony on Thursday 9th October in the Aula Maxima. The event combined honours to colleagues across three distinct award schemes, namely Staff Recognition, Teaching & Learning and Research, recognising their contribution to university life. Speaking after the event, Professor Anita Maguire said that “The Research Awards provide an opportunity to recognise the research excellence which exists across the university. The input from postgraduate students in highlighting the commitment of their research supervisors to ensuring the most positive experience for their research team is particularly rewarding.”

Early Stage Researcher of the Year
Dr Maria McNamara (1)
(School of BEES)

Research Support Person of the Year
Mr Pat Casey (4)
(Alimentary Pharmabiotic Centre)

Research Supervisor of the Year
Dr Ali Kashan (2)
(Department of Epidemiology and Public Health)
Dr Raegan Murphy (3)
(School of Applied Psychology)

Research Team of the Year
Professor John Atkins and
Dr Parvel Baranov (5)
(Representing the Recoding Research Team: School of Biochemistry and Cell Biology)

Career Achievement Award
Professor Arpad Szakolczai (6)
(Department of Sociology)

2014 UCC Strategic Research Fund (SRF) PhD Scholarships

Awardee followed by primary supervisor and department:

Ms Marica Cassarino
(Dr Annalisa Setti – Applied Psychology)
Ms Anna Magilacane
(Dr Martin Howard – French)
Ms Aoife Mc Crudden
(Dr Laura Sahn – Pharmacy)
Ms Nita Mishra
(Dr Edward Lahiff – Food Business & Development)

Mr Carlo Guareschi
(Professor Graham Parkes – Philosophy)
Mr Eoin O’Callaghan
(Dr Lee Jenkins – English)
Ms Laura McKenna
(Prof Eibhear Walshe – English)

Ms Long Pham
(Prof Aoibhinn Quinlivan – Government)
Mr Dylan O’Donovan
(Professor Mary McCaffrey – Biochemistry & Cell Biology)
Ms Rosemary Francis
(Prof Tom Carroll – Mathematical Sciences)
Mr David Jones
(Prof Tim O’Sullivan – Chemistry)
Mr Dhiman Mallick
(Prof Sabai Roy – Tyndall National Institute)
Ms Caroline Hurley
(Prof Joseph Eustace – Epidemiology and Public Health)

Staff of UCC RSS, Dr Louise Burgoyne and Dr Jill Haynes
A revolutionary device to help treat coronary disease has been developed at UCC. Publishing in a recent issue of the journal *Biomaterials*, the research project led by Professor Noel Caplice, director of the Centre for Research in Vascular Biology at UCC and chair of Cardiovascular Sciences, with collaborators in the Mayo Clinic in the US, has developed a new device that promotes the bypass of arterial obstructions, potentially removing the need for major surgery. The device is inserted via a keyhole procedure through the artery to the site of obstruction and promotes micro-bypass of this obstruction over a four-week period. This results in the return of normal heart function and a recovery of full exercise capacity.

Professor Caplice stated that if the device can be reproduced in humans it would offer an alternative to open surgical bypass operations with “implications for treatment of patients who are currently inoperable”. “It also has the potential to reduce costs and time spent in hospital,” he said. Plans are now in place to test this technology over the coming years in patients who require bypass surgery but would otherwise be deemed unfit for surgical intervention.

“We anticipate that this work could be completed over the next 3-5 years,” says Professor Caplice. This work originated from a question of how you could help a person to grow their own blood vessels without major surgery. While working at the Mayo Clinic Professor Caplice and colleagues designed a mesh device that could be attached to a stent which could deliver millions of cells which would promote bypass in an obstructed artery. Since returning to UCC in 2005 Professor Caplice has developed this technology so that it can be delivered using a catheter. He has proven the principle of his microbypass device on animals and the device is now ready to be tested in human subjects.

When the prototype of this device was first envisaged Professor Caplice worked with a bioengineering colleague in the USA who used a soldering iron and heatsink to put together the cell carrier component in a workshop at the back of his garage. Over time this technique was refined until a hybrid device carrying millions of cells could be safely delivered in an artery within the body. They discovered that the structure of the device’s fibre network and its coating were key to the efficient and long lasting placement of therapeutic cells in the device. This initial optimization took more than five years work. The research was funded by grants initially from the National Institutes of Health (NIH-NHLBI) in the USA and more recently by Science Foundation Ireland.

The Centre for Research in Vascular Biology at UCC addresses fundamental questions in relation to cardiovascular disease. The Centre focuses on new therapies for heart repair and on discovering new technologies to treat severe vascular disease which is currently inoperable.
A University College Cork (UCC) researcher has been involved in the discovery of the first ever example of a primitive plant-eating dinosaur with feathers and scales. Previously only advanced flesh-eating dinosaurs were known to have had feathers so this new find indicates that all dinosaurs could have been feathered.

The new dinosaur, named Kulindadromeus zabaikalicus, comes from the Kulinda fossil site in eastern Siberia, and is described in a paper published in the international academic journal Science. Previously only advanced flesh-eating dinosaurs were known to have had feathers so this new find indicates that all dinosaurs could have been feathered.

Speculating that dinosaurs’ feathers could have been used for “mating displays, warning displays and camouflage”, Dr McNamara added that they would not have been used for flying – it took another 50m to 60m years before feathers evolved sufficiently to be used for flight. “The fact that even primitive dinosaurs had the ability to grow feathers strongly suggests that all dinosaurs either produced feathers, which have not been preserved, or that they had the genetic ability to produce feathers in their DNA,” she said.

When asked if her research should prompt a feathery remake of the Jurassic Park films, or down being glued on to model dinosaurs on display in natural history museums, Dr McNamara said: “This dinosaur is a plant eater. We still don’t have evidence that big meat-eating dinosaurs like Tyrannosaurus Rex were feathered.”

Her three-year-old son, a keen dinosaur fan, “didn’t mind too much” about the discovery, she added. “When it comes to colouring books, he might have to add some downy covering over the plant eaters.”

The breakthrough could also shed light on a scientific conundrum in the modern animal kingdom – why chickens have scales on their legs instead of feathers. “If you watch bird embryos develop in the egg, the cells start to develop in the same way but at a certain stage feather development is aborted, and the cells form scales instead of feathers,” Dr McNamara added.

National coverage of the story included RTÉ News on TV and an interview on RTÉ Morning Ireland as well as articles in all the national print media.
NEW HORIZONS

UCC gets off to a great start in Horizon 2020

In the first call of Horizon 2020’s ICT programme, UCC researchers secured 7 awards – 4 as coordinator and 3 as partner – with a total value to the institution of over €5 million (Table). This performance represents a success rate of 37%, which compares very favourably to a projected 12% success rate across the entire ICT call. In a particularly impressive result, feedback received by UCC indicates that the project coordinated by Professor John Morrison (School of Computer Science), and projected-managed by PrimeUCC, was ranked number 1 in Europe with a score of 14.5/15.

<table>
<thead>
<tr>
<th>PROJECT TITLE</th>
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<td>Accelerating Entrepreneurial Learning across European Regions</td>
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<td>Self-Organising, Self-Managing Heterogeneous Cloud</td>
<td>Coordinator</td>
<td>Professor John Morrison (Computer Science)</td>
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<td>Thermally Integrated Smart Photonics System</td>
<td>Coordinator</td>
<td>Dr Kaif Razeeb (Tyndall)</td>
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<td>Transfer-print operations for heterogeneous integration</td>
<td>Coordinator</td>
<td>Dr Brian Corbett (Tyndall)</td>
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<td>GateOne - Innovation Service for European Smartization by SMEs</td>
<td>Partner</td>
<td>Dr Graeme Maxwell (Tyndall)</td>
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<td>Smart Access to Manufacturing for Systems Integration</td>
<td>Partner</td>
<td>Dr Eric Moore (Tyndall)</td>
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<tr>
<td>Early stage CARdio Vascular Disease Detection with Integrated Silicon Photonics</td>
<td>Partner</td>
<td>Dr Peter O’Brien (Tyndall)</td>
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Record numbers apply for Horizon 2020 first-round funding

The European Commission announced that it received 16,000 applications in the first round of calls for Horizon 2020. These calls totalled €15 billion, and the proposals submitted correspond to nine times that value.

A key goal of Horizon 2020 is greater engagement with industry and nearly half of all applicants (around 44%), were from industry compared with 29 per cent in FP7. Another target was channelling more research funds to small and medium-sized companies (SMEs). Of all industry applicants in the first H2020 calls, half were SMEs. Around 23% of the total applications were submitted by women, up from 20 per cent in FP7. Of the proposals submitted by consortia, 24% were led by women, compared to 20 per cent in FP7.

Marie Curie linked to ERC success

According to a report commissioned by the European Commission Marie Curie fellows enjoy greater success in obtaining grants from the European Research Council than their peers. The study also found that researchers who have held a Marie Curie fellowship, which funds a period of exchange to a foreign institution, are more likely to be awarded an ERC grant for research excellence. This also extends to other internationally-recognised awards, with female Marie Curie researchers having a 13 per cent greater probability of obtaining high-profile awards later in their career than non-Marie Curie fellows. Another benefit of the holding a Marie Curie fellowship is publication success, with Marie Curie fellows recording more articles in higher-profile journals and better citation records, finds the report.

One area where the Marie Curie fellowships don’t appear to have a great impact is the commercialisation of patents or success in obtaining private research funds.

The study also concluded that the career benefits of the Marie Curie programme take a long time to fully materialise, and that the positive impact is often small, in part because non-Marie Curie researchers have access to other mobility schemes that may produce similar effects.

For more information see the full report at: http://tinyurl.com/n8f9ugl
UCC among the Top 100 Erasmus Host Universities

Ireland welcomed 6,277 students under the Erasmus programme in 2012/2013, an increase of 9% relative to 2011/2012. A total of 2,762 Irish students took advantage of the opportunity to study or train abroad during the same period. The latest Erasmus statistics released by the European Commission also reveal that:

UCD, UCC and UL are among the top 100 Erasmus host universities: UCD hosted 605 students, UCC hosted 536, and UL hosted 450 students under the Erasmus programme in 2012/2013. France was the most popular destination for Irish students; 589 out of the 2,762 chose to study there, followed by Spain (493), the UK (454), and Germany (329).

The French reciprocated the feeling—they are the biggest group of incoming students to Ireland (1,949), followed by German students (1181) and Spanish students (967) under the Erasmus programme. Ireland was the 14th most popular Erasmus destination, attracting 6,277 students from abroad. Spain was the top destination, under the Erasmus partnerships with 40,202 students.

SME instrument celebrates first great success after first cut-off date

The European Commission received 2,666 proposals for the first cut-off date of the SME instrument. The open disruptive innovation scheme attracted the most proposals (885), followed by low carbon energy systems (372), nanotechnologies (305) and eco-innovation/raw materials (241). The general expected success rate for applications in this cut-off date is of 6.2%.

Italy led the number of applications (436), with Spain as a close second (420), followed by the United Kingdom (232), Germany (188), France (167) and Hungary (166). Ireland submitted 50 applications. The majority of SMEs applied individually, and most consortia were of two SMEs.

Ireland confirms ambition to double Horizon 2020 funding

Damien English TD, Minister for Skills, Research and Innovation, has announced the formation of an Horizon 2020 Strategic Research Proposals Group to help achieve a funding target for Irish-based researchers of €1.25 billion over the seven-years of the Horizon 2020 programme. This is more than double the €600 million target that was achieved under the previous EU programme budget (FP7).

Speaking recently, Minister English indicated that the group would be comprised of a dedicated team of senior officials from all research-funding Government departments,* who would focus on winning the large-scale projects that would be of most value to Ireland and its research priorities.

The group will be chaired by Science Foundation Ireland’s Director-General Professor Mark Ferguson, who also serves as chief scientific adviser to the Government. The role of the group will be to complement the work already being done by the Horizon 2020 Network and Support Office set up within Enterprise Ireland. This seeks to provide help and support for research groups in academia and industry to win funding from EU research programmes.

The key function of the group is to support the leveraging of maximum EU funding for the benefit of Ireland, and this effort is already well underway. Irish small businesses and higher education institutions secured €9 million in the first round of the Marie Skłodowska-Curie Actions and, to date, 20% of companies applying to the programme have received funding, the highest rate in Europe.

*The Horizon 2020 Strategic Research Proposals Group membership includes: Mark Ferguson, Chairman; David Beehan, Department of Agriculture, Food and the Marine; Karmeth Spratt, Department of Communications, Energy and Natural Resources; Mary Doyle, Department of Education and Skills; David Walsh, Department of Environment, Community and Local Government; Frances Spillane, Department of Health, Darragh Cunanan, Department of Jobs, Enterprise and Innovation; Julie Sinnam, Enterprise Ireland; Laura Burke, Environmental Protection Agency; Graham Love, Health Research Board; Tom Boland, Higher Education Authority; Martin Shanahan, IDA Ireland; Eucharia Meahan, Irish Research Council; Peter Heffernan, Marine Institute; Brian Motherway, Sustainable Energy Authority of Ireland; and Gerry Boys, Teagasc.
Project Research and Innovation Management Enterprise (PrimeUCC) is a new project management service established by the Office of the Vice-President for Research and Innovation (OVPRI) to assist researchers in UCC with the management of Horizon 2020 European projects. PrimeUCC provides assistance with the development of the proposal and the management of the project.

The business operates out of the UCC Academy Ltd (a subsidiary of UCC) and affords researchers the opportunity to work with experienced project managers located on the campus of UCC. PrimeUCC works closely with UCC Research Support Services to deliver a comprehensive service from proposal initiation through to project close out, sharing knowledge and innovation, building the capacity of the University in EU project management as well as providing a unique service offering.

Horizon 2020

Horizon 2020 is the EU framework programme for research and innovation. €80 billion euro of funding is available over the next seven years (2014 – 2020) to drive economic growth and create jobs across the EU. The EU Commission is looking for projects that display either innovative science, industrial leadership or tackle societal challenges. The overarching goal of this funding programme is “producing world class science, removing barriers to innovation and making it easier for the public and private sector to work together delivering innovation” . PrimeUCC is focussed on this framework programme and has developed detailed knowledge of the intricate requirements for funding.

Proposal development

Working closely with UCC Research Support Services, PrimeUCC offers a bespoke service to each researcher and provides support on a number of fronts: Assistance is provided with the preparation of the Enterprise Ireland Coordinator Grant, the establishment of the consortium for the project and the coordination of all input from partners. PrimeUCC consults with the national contact points for Horizon2020, prepares the budget, populates the administrative section of the proposal, provides technical writing on implementation and will shortly be providing an Impact Analysis service as an optional extra. As PrimeUCC has its own PIC, the business is in a position to join UCC led projects not only as a dedicated project management company but also as an SME, providing the bid with a competitive advantage.

Project management

The vision for PrimeUCC is to be the preferred project management service used by UCC researchers to manage their research contracts. PrimeUCC is the only project management company to have a thorough understanding of the research community in UCC and direct access to the research support infrastructure in the University. PrimeUCC uses this knowledge to help researchers maximise the potential of their project by reducing the administrative burden associated with the management of an EU funded project. Each client is assigned with an experienced project manager who helps drive the project to meet all deadlines and reporting requirements of the Commission. PrimeUCC is open for business and available to talk to researchers interested in applying for Horizon 2020 funding.

Further information:
Website: www.ucc.ie/en/prime
Tel: +353 21 4205475
Email: prime@ucc.ie
LinkedIn: PrimeUCC Horizon2020 Group
The Office of Technology Transfer at UCC is UCC’s commercialisation interface between the research community and industry. Its primary role is essentially to “serve, protect and commercialise” the intellectual assets of the University and the Tyndall National Institute. It also works closely with CIT and Teagasc in this respect and is supported by Enterprise Ireland and Knowledge Transfer Ireland as well as by UCC.

Through its two key enterprise support initiatives, the IGNITE Graduate Business Innovation Programme and the GATEWAY UCC Business Incubation Centre, the OTT also supports early stage start-up companies to become commercially successful and provide employment.

The office is also very much active in industry liaison and is constantly seeking opportunities for the University to work with companies not just on a project-by-project basis but in deepening relationships to become more embedded in their innovation processes.

The IGNITE program is a nine month incubation programme to attract recent graduates of any third level institution to take a product or business idea from concept to commercialization and is accessible to all third level graduates. It is funded by Cork City Council, Cork County Council and the Local Enterprise Offices of Cork City and County and Bank of Ireland and is an effective collaboration between the graduate business promoters, experienced business mentors, University College Cork academics and industry partners. “The university saw the potential business in his final year project and IGNITE was the vehicle which allowed him to do that.”

A New Partnership

In 2014 UCC formalised a 4 year partnership with the Cork Institute of Technology and Teagasc. The aim of the consortium is to create a substantial group of technology transfer practitioners that are active in important regional and strategic partners of the university to ensure that the research investment in the institutions is best commercialised drawing on each other’s expertise to our mutual benefit. The most immediate and obvious impact of the consortium is the hiring of a Commercialisation Manager for Teagasc Intellectual Property that will be part based in UCC and part in Teagasc. Representatives of the office meet on a monthly basis to cover matters of mutual concern from an operational perspective and UCC staff visit CIT to support commercialisation efforts for their Biotechnology research. The consortium is at an early stage but promises to be a significant benefit to the IP management and technology transfer for these three important research institutions.

A New Team

Since the start of 2014, the technology transfer team has changed significantly. We have 3 new commercialisation case managers, a new legal support, a SFI Intellectual Property solicitor. The IGNITE Graduate Business Innovation Programme has also been incorporated into the office. It is a much changed team from this time last year. The chart below outlines our new team.
UCC has had a strategic drive to establish multidisciplinary research centres. Many centres have now developed strong industry links that complement the research effort. Our commercialisation team work to facilitate this relationship. For example, the OTT has executed two commercial licenses on behalf of CCAN – the Collaborative Centre for Applied Nanotechnology, one of UCC’s hosted Technology Centres. The licences with Innovative Polymer Compounds, an SME in Co. Offaly, see the commercialisation of polymer research carried out at TCD and are great example of how the UCC TTO supports national centres to get technologies out to companies regardless of the location of the researchers. Further CCAN licences are expected to be announced shortly. Visit www.ccan.ie and www.i-p-c.ie for more info.

In addition all of our team have been working closely with the new SFI Research Centres to help establish the relationships with our industry partners. The new research centres have over 90 commercial partners, each with particular and individual expectations around what they want from the project. Our case managers work closely with the centre management to facilitate this work. The potential for this research effort is substantial and it is important that the path to transferring the technology to our partners is clear for everyone to remove barriers to effective adoption of UCC technology where appropriate in the future.

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Supporting our Research Centres

Supporting our Research Centres

Dr. Anne Moore travelled to Silicon Valley in California as part of the commercialisation effort around the development of a new microneedle-based patch that results in increased vaccine-induced protection against malaria, using lower doses of vaccine in pre-clinical testing. Dr. Moore’s visit to Silicon Valley was hosted by the Irish Technology Leadership Group with support from Enterprise Ireland and Science Foundation Ireland.

The microneedle-based patch also overcomes one of the main problems with this type of vaccine. This relates to overcoming pre-existing immunity to the vaccine which researchers claim, could have significant consequences for the costs and logistics of vaccination.

The technology, which the OTT has applied for patent protection for arises from work performed by her research group in the School of Pharmacy, Department of Pharmacology and the Tyndall National Institute, UCC in collaboration with colleagues at the Jenner Institute, University of Oxford and was published by Nature Publication Group in Scientific Reports and funded by Enterprise Ireland and Science Foundation Ireland.

The research team demonstrated that delivering the adenovirus with the patch, patients’ immune systems did not develop an anti-adenovirus immunity, as is the case when vaccines of this nature are delivered via an injection.

The OTT has been working with Dr. Moore’s group for a number of years to develop sound patent protection that will allow this technology to be developed effectively in the future.
John F. Cryan is Professor & Chair, Dept. of Anatomy & Neuroscience, University College Cork. He received a B.Sc. (Hons) and PhD from the National University of Ireland, Galway, Ireland. He was a visiting fellow at the Dept Psychiatry, University of Melbourne, Australia (1997-1998), which was followed by postdoctoral fellowships at the University of Pennsylvania, Philadelphia, USA and The Scripps Research Institute, La Jolla, California. He spent four years at the Novartis Institutes for BioMedical Research in Basel Switzerland, as a LabHead, Behavioural Pharmacology prior to joining UCC in 2005 where he was a Senior Lecturer in Pharmacology in the School of Pharmacy and in the Dept. Pharmacology & Therapeutics UCC. Currently he is also a Principal Investigator in the Alimentary Pharmabiotic Centre (www.ucc.ie/research/apc/content).


Professor Cryan was recently selected as a Highly Cited Researcher by Thomson Reuters. Those researchers who, within an ESI-defined field, published Highly Cited Papers were judged to be influential, so the production of multiple top 1% papers was interpreted as a mark of exceptional impact. Professor Cryan, as a member of the Highly Cited Researcher List is also included in the 2014 The World’s most Influential Scientific Minds.
Open access and scholarly publishing

Open Access (OA) to research aims to provide free, online and unrestricted access to scholarly publications such as journal articles, book chapters, conference papers, theses and working papers. Open Access is a way of ensuring that anyone with an internet connection can read your research. Readers are not prohibited by subscription costs and so your readership will be far greater. Studies have shown that making your work open access gives a boost to citations.

Open Access is not a replacement for peer-review, editing or traditional publishing. If you publish in open access journals, your paper will still go through peer-review and editing cycles. If you archive copies of your research publications in repositories, you are simply copying the tradition of giving the library a copy of your latest book in the digital environment.

Why should you archive your publications?

• Increased impact for research with the open access citation advantage— archiving research publications early and often has been shown to increase citations

• More visibility for research – repositories are indexed by search engines such as Google Scholar and CORA records are harvested by different portals such as Rian.ie

• Compliance with funder’s open access policies e.g. Science Foundation Ireland, Health Research Board, Irish Research Council and other Irish signatories of the National Principles for Open Access Policy Statement. Visit this link for more information: www.ucc.ie/en/research/funding/finding_funding/open_calls/

• Wider dissemination of research since there is no subscription barrier for end users like SMEs, charitable organisations and those in the developing world

Open Access at UCC

CORA (Cork Open Research Archive http://cora.ucc.ie ) is the UCC institutional repository and the place where UCC researchers can archive their scholarly publications. Since IRIS and CORA are integrated, anyone with an IRIS profile can upload the files to CORA directly from IRIS. Library staff check publication and copyright details before archiving in CORA. Further details are available here http://booleweb.ucc.ie/index.php?pageID=502 or contact Breeda Herlihy, Manager Institutional Repository, ext. 5109, cora@ucc.ie

Currently there are approximately 1,100 full text publications from UCC researchers archived in CORA.

Current Open Calls

PROGRAMME DETAILS

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Visit this link for more information on the above: www.ucc.ie/en/research/funding/finding_funding/open_calls/