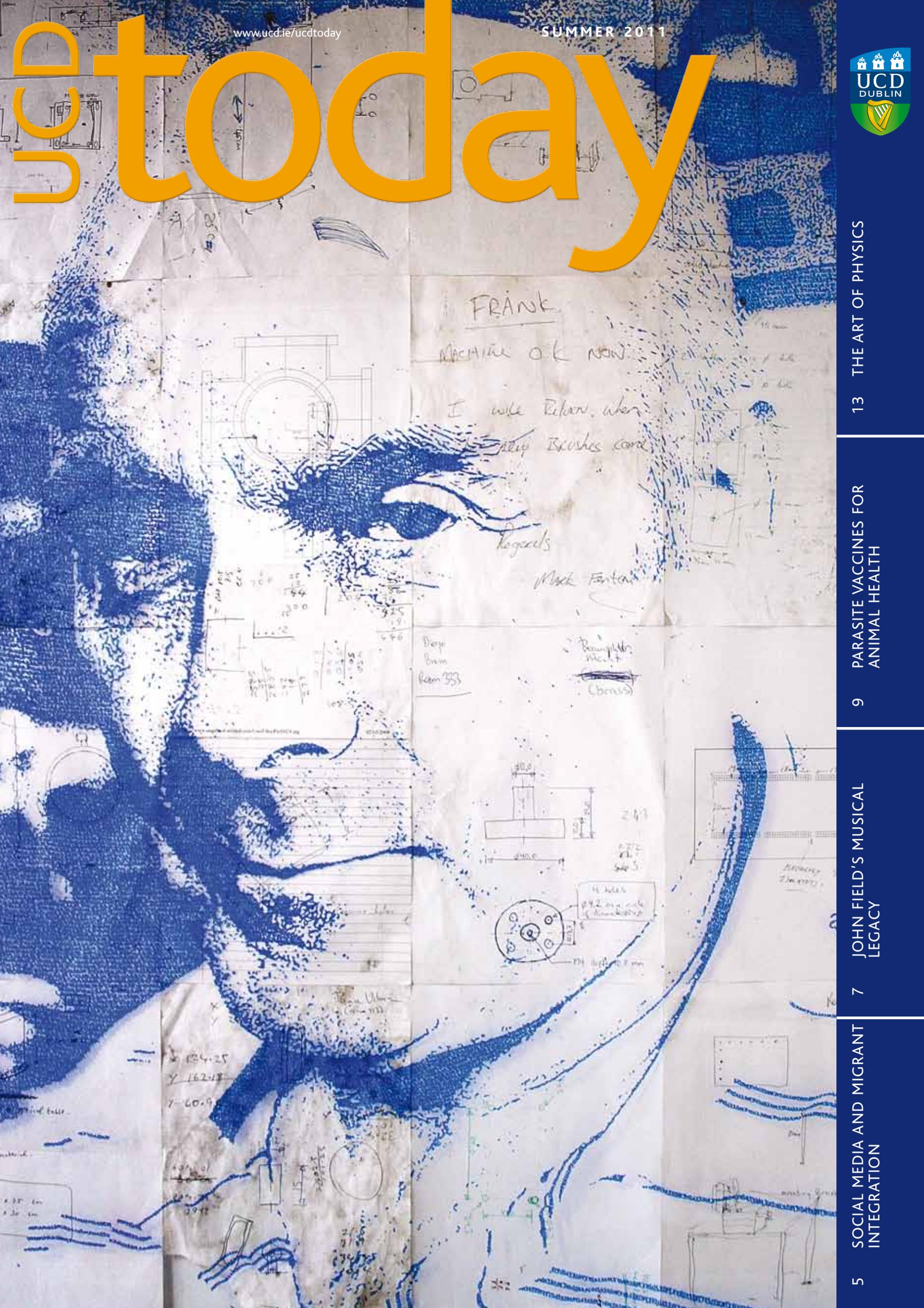




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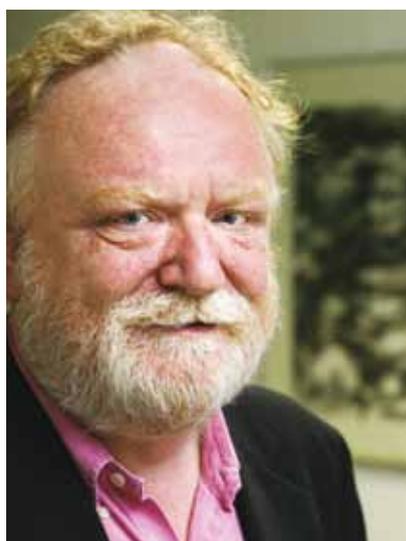
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## Art for art's sake



**EILIS O'BRIEN**  
Director of Communications

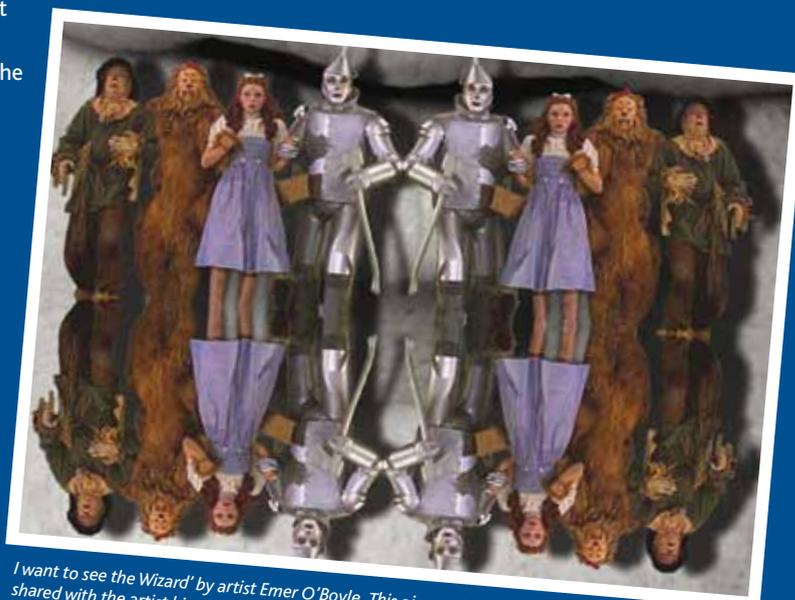
As Farmleigh II approaches and public commentary seems to be turning to Irish cultural arts as the panacea for our economic woes, it is heartening to watch a genuine grass-roots movement

emerge from the creative co-operation between our own school of physics and the National College of Art and Design (NCAD).

The collaboration between Professor Lorraine Hanlon and artist Emer O'Boyle has not only generated a unique art collection for us to enjoy but also has inspired the joint module for students which crosses the Rubicon between art and science.

When she spent time with the physicists, Emer says she was astounded by the frequency with which they used the word "beautiful". From quantum concepts to sub-atomic equations to the enormity of the universe, the scientists throw the word around to express their passion. The artistic response is an incredible visual representation of the people and their work, stretching from the highly practical request to "make it work" to the eureka moments when a discovery is made.

The permanent exhibition now on view in the UCD School of Physics. Unlike any portrait exhibition you have ever seen, it challenges the viewer to delve into the concepts that drive the scientists. You don't have to understand the physics, just to recognise its significance and of course, its beauty.



*I want to see the Wizard' by artist Emer O'Boyle. This piece refers to the work of Dr John White, who shared with the artist his excitement at 'going behind the curtain' to understand how the world works. © Emer O'Boyle 2010*

## UCD thanks ...

### Contributors:

Suzanne Bailey, John Baker, Marie Boran, Marc Caball, David Casey, Rose Cotter, Nadia D'Alton, Gareth Dyke, Desmond Earley, John Fahey, David Farrell, Ruth Ferguson, Lorraine Hanlon, Vincent Hoban, Julian Horton, Brian Jackson, Kathleen James-Chakraborty, Olive Keogh, Caroline Kinsella, Lee Komito, Liam Mac Mathúna, John McCafferty, Helena McCann, Peter McGuire, Grace Mulcahy, Bairbre Murphy, Emer O'Boyle, Claire O'Connell, Hugo O'Donnell, Georgina O'Dwyer, Elaine Quinn, Fred Reilly, Martin Russell, Mark Simpson, Mary Staunton, Sabine Strumper-Krobb, Rionach uí Ógáin, Micéal Whelan, Orla Wrynn

### Produced by:

Eilis O'Brien, Claire Percy, Dominic Martella,

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In the compilation of this publication, every care has been taken to ensure accuracy. Any errors or omissions should be brought to the attention of UCD University Relations ([communications@ucd.ie](mailto:communications@ucd.ie)). We also welcome your suggestions for articles in future editions.

This publication is also available online at [www.ucd.ie/ucdtoday](http://www.ucd.ie/ucdtoday)

Cover image: 'Frank' by artist Emer O'Boyle, for the UCD School of Physics. The piece shows an image of senior technician Frank Heffernan from the UCD School of Physics. It is composed of found materials (specifications and notes from the school's technical workshops) and a perspex overlay with the words 'make work' handwritten to create an outline of Frank's image. It is part of a series of artworks created to communicate the school's work and can be viewed in UCD Science Centre. Read more on page 13. © Emer O'Boyle 2010

# Art on Campus

## “Hibernia with the Bust of Lord Cloncurry” by John Hogan

This sculpture, by John Hogan, is one of the most important neoclassical sculptures by an Irish artist.

Hogan was born in 1800 in Tallow, Co Waterford and was educated in Cork. He was initially apprenticed to a solicitor but his artistic talent was obvious and he became a draughtsman with the building firm of Deane and Co.

The Cork Society of Art was founded around 1816 and Hogan was active in this. In recognition of Hogan’s precocious skills a public appeal was made to send him to Rome and £250 was raised for the young artist to study sculpture in Italy.

Hogan was in Rome from 1824 to 1849 and it was during this period that ‘Hibernia with the Bust of Lord Cloncurry’ was made. Lord Cloncurry, (Valentine Lawless 1773-1853) was a prominent patron of the arts in Ireland and a supporter of Catholic Emancipation. In the spring of 1841 he commissioned Hogan to produce a statue of himself to present to the Dublin Literary Society.

Cloncurry was in Rome at the time and it is likely that it was then that Hogan sculpted the plaster bust of Cloncurry which formed the

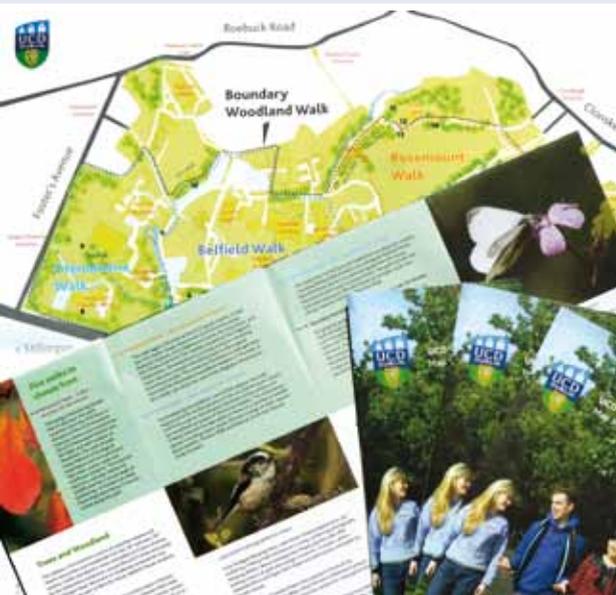
starting point for the finished work. The completed work in white marble, finally reached Ireland in 1846 and Cloncurry was so delighted with it that he paid Hogan a bonus and decided to keep the piece for himself.

The work had been greatly admired in Rome and on its arrival in Dublin was put on public display in the Royal Exchange (now the City Hall). Lord Cloncurry then displayed the work in his residence at Maritimo, Blackrock. It was later moved to Cloncurry’s house at Lyons, Co Kildare. UCD acquired Lyons in 1963 as the Agricultural Faculty and it was then that the work entered the UCD collection.

‘Hibernia with the Bust of Lord Cloncurry’, now on display in, Belfield House is a superb work depicting Hibernia or Erin, the personification of Ireland, seated with her arm around the bust of Lord Cloncurry. It is in the classical style yet is quietly nationalistic in its use of Irish symbols such as the harp and the Irish hound. Hogan’s skills and artistic vision are complemented by his patron’s tastes and political views and both come together wonderfully in this fine work.



‘Hibernia with the bust of Lord Cloncurry’ by John Hogan  
Photograph Mark Simpson



## UCD launches map and guide to 8km of woodland walks

Since its establishment, the UCD Belfield campus has provided an important amenity to students, staff and the local community. Now, over 8km of woodland paths have been created and a series of walks developed to further open up the 133-hectare campus to a wider community.

The recently-launched *UCD Woodland Walks Map and Guide* details five routes of varying lengths. For example walkers may follow the Millennium Walk, a 3.3km path that takes in the meandering double line of oak trees that stretches from the UCD Bowl to the UCD Veterinary Sciences building and joins the Newstead Precinct with the lakes at Woodview. The Glenomena Walk is a 1.9km route that joins up established woodland on campus. For those looking for a longer walk, the Boundary Woodland Walk follows the perimeter of the campus and covers 6.2km.

The map and guide also includes information on notable trees, birds and insects that may be found on campus. Along the walks it is possible to see a wide range of birdlife including Sparrowhawk, Goldcrest and Siskin.

Copies of the UCD Woodland Map and Guide can be obtained at local Services Desks or downloaded from [www.ucd.ie/campusdevelopment/woodlandwalks](http://www.ucd.ie/campusdevelopment/woodlandwalks).

## UCD historic and modern buildings open their doors

20th-century Irish artworks, heaters that turn off when windows are opened and methods of combining old architecture with modern design in period houses were among the topics discussed during the staff Open House event, which was held in late April.

In its first year, the event offered staff a chance to go on one of five tours ranging from the period Belfield House and its art collection to the recently-completed Charles Institute of Dermatology with its bold steel and glass form.

The event gave staff an opportunity to ‘go behind the scenes’ and see areas of buildings

normally closed off. It focussed on the history, design, features and purpose of some of UCD’s most striking buildings. Those visiting the new Science Centre South started the tour in the plant room of the building situated 5 floors up on the roof. They saw the range of equipment needed to operate the building and the efforts going in to make the facility as energy efficient as possible.

UCD’s range of restored period houses are an important element of the campus and future events will give staff and others interested the opportunity to explore their history and the work that has gone into restoring them.



Eamonn Ceannt, Director of Capital Development leading one of the tours around Belfield House as part of the UCD Staff Open House event in April 2011

# Citizens invited to shape political reform

Professor David Farrell is the academic leader of a team of political scientists that will oversee a study of the processes and outcomes of a new independent initiative aimed at helping to renew trust in public life in Ireland – *We the Citizens*.

The initiative, funded by Atlantic Philanthropies, will bring citizens together in new forms of public decision-making to help renew Ireland's democratic political system and contribute towards the restoration of trust in public life.

*We the Citizens* will host a national citizens' assembly in June 2011. The assembly will consider proposals on ways to make political institutions better serve the people of Ireland.

The agenda of the assembly will be set by the outcomes of several citizen-led events and a nationwide poll surveying a cross section of Irish society. 150 people from the poll will be invited to take part in the assembly.

Speaking at the launch of *We the Citizens* in April, Professor David Farrell, Head of the UCD School of Politics and International Relations said that citizens' assemblies have been successful in other countries.

"They are a new and innovative way of allowing citizens to be actively involved in taking important decisions that affect our daily lives. Citizens are given the opportunity to be informed, to consider and debate all sides of an argument: they are then able to take decisions on what are often quite complex issues."

Professor Farrell has participated as an expert witness to citizen assemblies in British Columbia, Ontario and the Netherlands.

The Steering Board of *We the Citizens* is made up of Irish citizens from across the private, public and NGO sectors, who are providing their time and expertise pro bono.

*We the Citizens* is organised in association with the Irish Universities Association, the representative body for the seven Irish universities.

"This is an important contribution to national debate on the future of our political system and processes. The joint involvement of academia and society in that dialogue underlines the value which the universities place on community engagement," said Ned Costello, IUA Chief Executive.

The Chairman of *We the Citizens* is Fiach Mc Conghail, Director of the Abbey Theatre. Its Executive Director is Caroline Erskine.

The academic team includes: Dr Jane Suiter of University College Cork; Dr Eoin O'Malley of Dublin City University; and Dr Elaine Byrne of Trinity College Dublin.

An international board of academics with experience in the best practice of citizens' assemblies will provide advice to the new initiative.

For more see: [www.wethecitizens.ie](http://www.wethecitizens.ie)



Shown here are participants in the inaugural 'Visiting Programme for Prospective Students', organised by the UCD Health Sciences Programme Office to give Irish and international students an insight into the study of Medicine and Health Sciences at UCD. From left to right: Visiting Programme office administrator Cliona Buckley; with Mohammed Radiom; Sean O'Shaughnessy; Padraig Cunnane; Evan Hurley O'Dwyer; Ellen Cunningham; Clare O'Connor; Ellen Lawlor, Ryan Miliken; and Kristina McKneown

## UCD economist awarded Barrington Medal for insights into financial costs of terrorism

Northern Ireland has lost over £2.5 billion in terms of foreign direct investment and tourism income as a direct result of terrorism, according to UCD financial economist, Dr Cal Muckley.

This is the first time that an estimate has been reached on the financial cost of terrorism in Northern Ireland. The figures account for an average loss of £96 million per annum for every year from 1970 to 2007.

According to Dr Muckley, who was awarded the 2010/2011 Barrington Medal in recognition of his work, an estimation of the economic cost of terrorism is vitally important as it has implications for the extent to which the Northern Ireland Assembly should allocate resources to pursue a strategy of intervention.

"It is widely accepted that a variety of factors influence the level of foreign direct investment (FDI) to an economy including political and macroeconomic stability, regulatory issues and science, technology and innovation policy, the tailored skills and educational attainments of its labour force, as well as the effective taxation rate among others," he said.

"Northern Ireland is a small geographic region which experienced more than 30 years of systematic terrorism until the mid 1990s with the re-emergence of dissident terrorist activities of late."

"[From an economic point of view] if the expected economic costs arising from a terrorist campaign exceed the expected economic costs of successfully nullifying the threat of terrorism, then the Northern Ireland Assembly should pursue a strategy to nullify that threat."

Analysis undertaken as part of the research study indicates that for initiatives reliant on foreign direct investment as well as for the tourism sector, a fatality as a result of terrorism in Northern Ireland has a minimum economic cost of £3.69 million.

Dr Cal Muckley is a lecturer in finance and econometrics at the UCD Michael Smurfit Graduate Business School.

The Barrington Medal recognises promising new researchers in the economic and social sciences in Ireland. It is presented by the Council of the Statistical and Social Inquiry Society of Ireland, under the auspices of the Barrington Trust (founded in 1836 by the bequest of John Barrington).

2011 is the 162nd anniversary of the lecture series and Dr Muckley delivered the 124th Barrington Lecture on 24 March in the Royal Irish Academy on the topic of: *'Terrorism, Tourism and FDI: Estimating a lower bound on the Peace Dividend in Northern Ireland'*.



More than 180 business leaders attended a one-day event in March 2011 to hear the latest thought leadership on key management topics. 18 faculty of the UCD Michael Smurfit Graduate Business School presented their thoughts on business issues and shared their latest research – aimed at improving leadership effectiveness, innovation and growth strategies. Pictured at Executive Edge (from l-r) were: Paul Rohan, Head of Product Management, AIB Capital Markets & Dr Karan Sonpar, UCD School of Business. To download the presentations visit [www.smurfitschool.ie/executiveedge](http://www.smurfitschool.ie/executiveedge)

## Social media and the migrant experience

In an age of pervasive technology and 24/7 internet access, the old adage of “home is where the heart is” may never have been more true according to the latest research from Dr Lee Komito, senior lecturer at the UCD School of Information and Library Studies. Dr Lee Komito talks about his latest research on the social media habits of migrants in Ireland and explains how web 2.0 platforms like Facebook and Skype serve to maintain a strong bond to loved ones back home in a way that earlier communication technologies could not.

In his paper titled 'Social Media and Migration: virtual community 2.0', recently published in the *Journal of the American Society for Information Science and Technology*, Dr Komito builds a new picture of how migrants maintain distance relationships, interact in an online space and integrate into their new geographic community.

This was compiled with interview data from sixty-five Polish and Filipino non-nationals in Ireland and funded by the Irish Research Council for the Humanities and Social Sciences.

“One of the first things to emerge from the study was the extent to which social media was being used differently from email and phone calls. The concept of ‘passive monitoring’ came out very early on in the research,” explains Komito. “Interviewees would tell us that they didn’t use social networking sites like Facebook and Friendster to communicate so much as to see what was happening within their network.”

Essentially these social networking sites are serving as a kind of local noticeboard that can be skimmed passively for information in order to see what friends are up to. When a one-to-one conversation is required, this is where video chat technologies such as Skype come in.

“In a way this use of social networking sites is analogous to how people began to use answering machines. They would sit back and listen to their messages to hear what was going on. In this case these websites are being visited very frequently for short periods of time.”

Another significant observation that arose from the study was the importance of the visual element of social media: “There is a great sense of authenticity from seeing images. A lot of other research has been done on how important it is to see people; it makes it more interactive.

“I thought the visual was trivial until I saw someone I knew who was able to see their grandchildren in US for the first time. When you look at their face, you can gauge the emotional significance of an experience like this.”

Social media also seemed to change the nature of friendships maintained. As Dr Komito explains, when someone emigrates it is natural that the people they will keep in contact with most frequently are family members and some close friends. It is likely that they will fall out of touch with former classmates or colleagues. Were you to pick up the phone years later you would probably have nothing in common left to chat about.

Sites like Facebook change everything. Seeing the marriage of an old school friend, watching holiday photos flick past in your news updates or observing conversations between mutual friends gives a sense of what is going on back in your home community.

The bond of social media takes previously weak ties and keeps them within your sphere in the same way that being physically located in your hometown might.

“One funny thing in terms of my own research was that I spent a number of years rubbishing notion of ‘virtual community’. It has its uses but there was little evidence that actual community in the real sense was happening. With social media it looks as though patterns of communication are emerging,” says Dr Komito.

“Everyone knows everyone’s business. It’s passive monitoring not dissimilar to the experience of sitting in a café or pub. You are always aware of who else is there and that background buzz is an important thing. You are aware of the peripheral noise.”

This is not to say that a migrant community in any particular country is now at risk of not integrating properly because of a dependence on social media. In this sense social media can be seen like the training wheels on your first bicycle. Without these training wheels it would be very difficult to learn to cycle on your own. In the beginning they are essential but left on too long and you may be reluctant to ever remove them.

“The research found that migrants use social media to maintain a social life within Ireland, however it is largely within their own particular nationality as well as people they’re not going to see on a daily basis,” Dr Komito points out.

“Regarding implications for long-term participation I don’t know for sure but one possibility is that distant contacts provide an emotional support for people as they adjust to new countries. From research I conducted in Canada it shows that use of social media doesn’t stop migrants from feeling integrated.”

It would be interesting, says Dr Komito, to apply this research to the Irish migrant community. Social media has made people more mobile thus making it easier to relocate because the risk has decreased. “My sense is that if young Irish people maintain contact with their friends they could just as easily be living in Boston, Berlin or Bermuda. It could also be less likely that they put down roots wherever they are.”

Dr Komito explains the push and pull of social media for a generation of young people who are considering immigration. On the one hand being able to video chat to family every day and Facebook your friends greatly decreases the risk of isolation or loneliness but this delays the settling in process.

“Compare Irish immigrants now versus ones going back 100 or even 50 years ago. It used to be that if you got a call from abroad it meant that somebody had died. Now people can chat on a daily basis.

We take for granted the current Irish American community but would it have evolved in the same way in a world of social media? “The Irish diaspora has the ability to be every bit as informed and committed as anyone living here. They can read the papers online or listen to Pat Kenny live on air over the internet.”

Social is only the tip of the iceberg says Dr Komito. Information storage is cheap so we can host images and video online. Connectivity is fast and inexpensive. Services like Gmail are free. The internet defines us both at home and abroad.

*Dr Komito spoke to Marie Boran (BSc 2002), a freelance science and technology writer.*



*Dr Komito pictured here in front of a popular internet café on Dublin's Talbot St. Photo Fred Reilly*

Gradaim Bhord na Gaeilge agus Bonn Óir an Chumann Ghaelaigh i gcomhar le hOifig an Leas-Uachtarán do Mhí Léinn – Bunaíodh 'Gradaim Bhord na Gaeilge agus Bonn Óir an Chumann Ghaelaigh i gcomhar le hOifig an Leas-Uachtarán do Mhí Léinn' le h-aitheantas a thabhairt do mhí léinn agus d'armhí léinn de chuid na hollscoile, a rinne éacht ar son na teanga. Seo a leanas buaiteoirí 2011: Edel Ní Bhraonáin, Aoife Nic Shamhráin, Dáire Ó Braonáin, Eoghan Ó Murchadha, Siobhán Ní Fhinneadha, Eoghan Ó Braonáin, Dónal Ó hAnrachtaigh, Colmán Ó hÁinle, Meabh Ní Choileáin, Gavin Ó Briain, Laura Ní Sheachnasaigh, Tim Grummell agus Coiste Rás UCD 2011. Bronnadh príomhghradam na hócáide; 'Gradam Alumni 2011' ar Phádraig Ó Snodaigh, stairí, file agus foilsitheoir.



## Irish medieval fishing site will be 'lost to the tide'

One of Europe's best preserved medieval fishing structures located on the Fergus Estuary in County Clare, Ireland, will be washed away by tidal flows before archaeologists can reveal its secrets.

A team of UCD archaeologists who have been visiting the remote 700 year old fishing site will no longer be able to conduct their scientific recording and analysis, due to recent budget cuts experienced by the Irish Heritage Council.

"There is little we can do to preserve the medieval fishing structures because they are totally exposed to the forces of nature on the mudflats, after being buried for centuries beneath the mud," explains Dr Aidan O'Sullivan, UCD School of Archaeology. "They are likely to be entirely destroyed within the next ten years. We had hoped that by working with the local community we could record this significant archaeological site before it is destroyed."

Located about 1.5km from the nearest dryland in the Fergus Estuary in County Clare, Ireland, the medieval fishweirs [wooden structures] are in the very middle of a vast landscape of mudbanks and water channels.

The archaeological site can only be accessed by boat for a few short weeks in the summer when the tide is extremely low.

Internationally, archaeologists consider these medieval fishweirs at Boarland as some of the best surviving examples in north-west Europe.

French scientists and archaeologists from Brittany and Normandy, where the tradition of using wooden fishweirs is still intact, came to visit the Boarland Rock complex in 2009.

A joint Irish-French collaborative research programme on medieval fishweirs was established following the success of the Fergus Estuary Project. Through the research of Dr Robert Sands, wood specialist at UCD School of Archaeology, a Danish dendrochronologist is due to visit the site to carry out scientific tree-ring studies on the fishweirs.

The UCD School of Archaeology has discovered a range of other archaeological sites on the estuary, including Bronze Age and Iron Age post alignments and post-medieval seaweed harvesting sites and reclamation banks.

## Bonn 'Uan Uladh'

Úna Ní Fhaircheallaigh (1874-1951), or 'Uan Uladh', the pen-name by which she was known, was appointed Lecturer in Modern Irish in the National University of Ireland in 1909 and Professor of Poetry in Irish in 1932.

An active member of the Irish Federation of University Women Graduates, she was one of those who worked hard for the acceptance of co-education at University level in those early days and is also remembered for her initiation of the Inter-Collegiate Ashbourne Cup competition in camogie.

The School of Irish, Celtic Studies, Irish Folklore and Linguistics commemorates this distinguished early member of staff through the annual presentation of a handsome silver medal, 'Bonn Uan Uladh', for the best written work, creative or discursive, of the B.A. class. This year the medal went to Claudia Sabato.

Ar chóisir dheireadh na bliana, nuair a chuirtear slán le mic léinn B.A. na Nua-Ghaeilge, bronnadh Bonn Uan Uladh na bliana seo ar Chlaudia Sabato ar fheabhas ar leith a cuid aistí. Cuid thaitneamhach de cheiliúradh dheireadh na bliana acadúla an bronnadh seo a thugann deis don fhoireann agus do na mic léinn araon an chuid seo de thraidisiúin na Nua-Ghaeilge san ollscoil a thabhairt chun cuimhne.

## Nutrients and youth diabetes

Almost a third of Irish 9-year-olds are overweight or obese. The high fat diet of these children is leading to an increase in circulating levels of inflammatory hormones and lipids. As a consequence, their diet is placing them at an increased risk of developing diabetes and heart disease in later life.

A new study has received €308,000 in funding from the National Children's Research Centre to establish whether novel anti-inflammatory nutrients can attenuate the impact of obesity on diabetes risk in young adults from 15-18 years old.

UCD Conway researcher Professor Helen Roche from the UCD School of Public Health, Physiotherapy and Population Science will carry out the study with Dr Fiona Lithander from the School of Medicine, Trinity College Dublin.

Commenting on the award, Professor Roche said, "Certain nutrients found in fruit, vegetables and fish have a protective function and reduce the risk of developing diabetes later in life. Through this study, we hope to find out if we can improve the metabolic profile of a group of overweight and obese 15-18 year olds by providing them with a key anti-inflammatory nutrient as a supplement for 12 weeks."

Two doctoral students based between University College Dublin, Trinity College Dublin, St James' Hospital and the Adelaide & Meath incorporating the National Children's Hospital in Tallaght will work on the project. UCD Conway facilities will be used to carry out molecular characterisation of ex vivo translational studies.



Claudia Sabato receives the Professor Ní Fhaircheallaigh commemorative medal Bonn Uan Uladh for composition in Irish. With the prize-winner are Professor Liam Mac Mathúna, Head of the School of Irish, Celtic Studies, Irish Folklore and Linguistics (left), and Dr Caoimhin Mac Giolla Léith, Head of Subject, Modern Irish (right)

## In a field of his own — one man's musical legacy

Despite the sterling efforts of renowned Irish concert pianists John O'Connor and Miceal O'Rourke, the music of Dublin-born composer, John Field, has not retained the international status many believe it deserves. Part of the reason is that Field is almost exclusively remembered as a composer of nocturnes and while they are artistically exquisite, they are not on the same scale as full-blown piano concerti. As concert pianists generally make their living playing concerti by the big names in the classical canon, Field is rarely included in the mainstream concert repertoire. Consequently, his music, which once enjoyed widespread international popularity with a general audience, has now become niche.

Had Field only composed nocturnes that might be understandable. But here's the rub: Field also composed seven piano concerti. The fact that they have been virtually forgotten is a source of some chagrin to Field champions such as Professor Julian Horton of the UCD School of Music.

In a nutshell, Horton believes Field is misunderstood. For years music critics and scholars have compared Field's concertos, erroneously Horton would argue, with those of Mozart and found them wanting. Horton, on the other hand, believes that Field's works can hold their own in the most august musical company and cites concerti numbers two, four and seven as worthy of particular attention.

"When analysing the Field concerti, scholars typically turn to the body of theory that has grown up around describing Mozart's work," Horton says. "This fails to recognise that Mozart's concertos did not generally influence Field. Field was born in Ireland, trained in London by an Italian and ended up living a large part of his life in Russia. That's a very different musical heritage to Mozart's Vienna. Critics argue that Field can't control large forms and by comparison with Mozart's concise approach to developing themes he is certainly more discursive. But what we're looking at is a different approach to the composition of concertos. It's time to develop a critical model that more accurately reflects the time and setting."

***"For I am full of it and can think of hardly anything sensible to say about it except unending praise."***

— Robert Schumann, reviewing Field's seventh piano concerto.

Changing the musical community's perception of the Field concerti is a major undertaking and Horton is hoping that his essay in the current edition of the prestigious international Oxford journal of musical scholarship, *Music & Letters*, may help. In it Horton calls for a "more historically-nuanced formal theory," against which to benchmark Field and a large proportion of subsequent repertory.

Encouraging the establishment to change its view of Field's music is a major challenge and the task is not made any easier by the fact that getting access to Field's work is difficult. "There is no complete edition of the concerti so it's not just a question of picking up the score and playing it,"

### The man behind the music

John Field was born in Dublin in 1782. His father was a violinist and his grandfather an organist and young Field showed great musical promise from an early age making his concert debut aged nine. The Fields moved to London when John was 11 years old and he went to study under one of the most famous musicians of the time, Muzio Clementi. Field became a much sought after concert pianist and played throughout Europe before settling in Russia where he became a major influence of the development of Russian music. Today, Field is primarily remembered as the father of the nocturne.

Horton says. "Varying levels of reconstruction are required to fill in the orchestral parts depending on which of the works someone wants to play. Three of the concertos have never been published in modern editions, and the only concerto that survives complete in manuscript is the seventh."

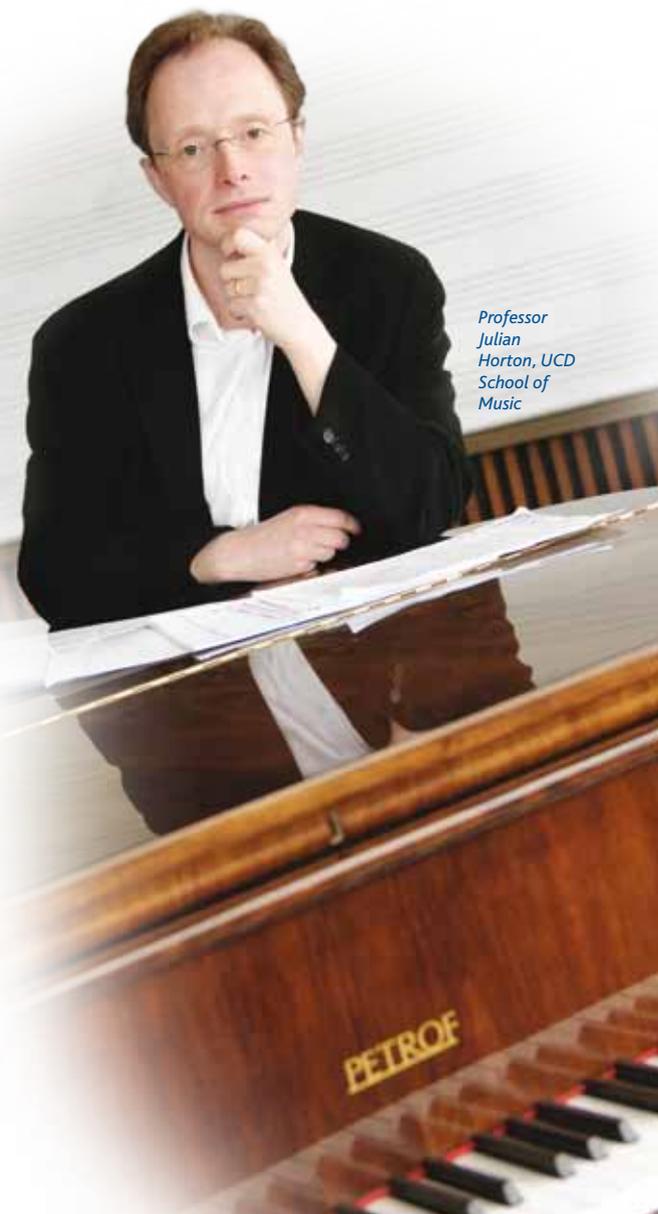
There is no national Field archive in Ireland (or anywhere else) and while much of his material is still in Russia, more is scattered internationally with papers in the National Library in Dublin and in the Bibliotheque Nationale in Paris. Horton would love to see a Field archive established at UCD and for a complete edition of the concerti to be compiled. "It would be difficult to resource something like this in the current climate but Field is one of our greatest composers and probably the best known internationally. It seems fitting that this should be formally recognised," he says.

To some extent Field also suffered at the hands of fashion. In his day he was the equivalent of a modern superstar especially in Russia where he exerted a huge influence over the development of Russian music and is still considered a towering figure there. Field also enjoyed peer recognition and two of his biggest supporters were concert pianist Clara Schumann for whom Field's second piano concerto was core repertoire and her composer husband, Robert, whose music shows clear Field influences. "Those who

ignore Field's piano concertos can't possibly fully understand Schumann's, while Field was also a major influence on Chopin" Horton says.

"In the late 19th century, however, musical taste and opinion became quite polarised and Field found himself on the wrong side of the divide," Horton says. "If music is not sustained in the repertoire it simply fades away and that is exactly what happened. Why he went out of fashion is linked to the development of public taste at that time. Field's music and style of playing were quite refined when compared with the bombast and keyboard gymnastics of Liszt, which had become very popular. Field got caught between the virtuosic style of Liszt and the symphonic concertos of Beethoven. He doesn't fit into either camp and suffered as a result."

*Professor Julian Horton was in conversation with freelance business journalist Olive Keogh (MA 1984).*



Professor Julian Horton, UCD School of Music

## ChemSoc Inaugural and Donnelly medal

Dervilla Donnelly, Emeritus Professor of Phytochemistry at UCD, presented Eibhlin Butler with the Dervilla Donnelly gold medal for taking first place in the final year honours BSc examination in Medicinal Chemistry and Chemical Biology. Professor Donnelly has made outstanding contributions in research and teaching at UCD and combined that with leadership in science policy and broader public service in Ireland and across Europe.

The presentation was made at The UCD Chemical Society 66th Inaugural Lecture in April 2011. The other medal winners presented at the event were: Bartosz Bieszczad (Eva Philbin silver medal in Chemistry and Chemical Biology for 1st place in 3rd year BSc in Chemistry), Aoife Murphy (Hugh Ryan gold medal in Chemistry and Chemical Biology for 1st place in final year BSc in Chemistry) and Laura Casey (The Medicinal Chemistry & Chemical Biology silver medal for 1st place in 3rd year).

## UCD creative writing professor awarded UK Classical Association Prize

In recognition of his 'significant contribution to the public understanding of Classics', UCD Professor Frank McGuinness has been awarded the 2011 Classical Association (UK) Prize.

McGuinness, who is well known for his plays on modern Irish historical and social themes, has produced adaptations of classical tragedies for the modern stage including: Sophocles' *Electra* and *Oedipus the King*, Euripides' *Hecuba* and *Helen*, and Seneca's *Phaedra*. They have all achieved critical and popular success.

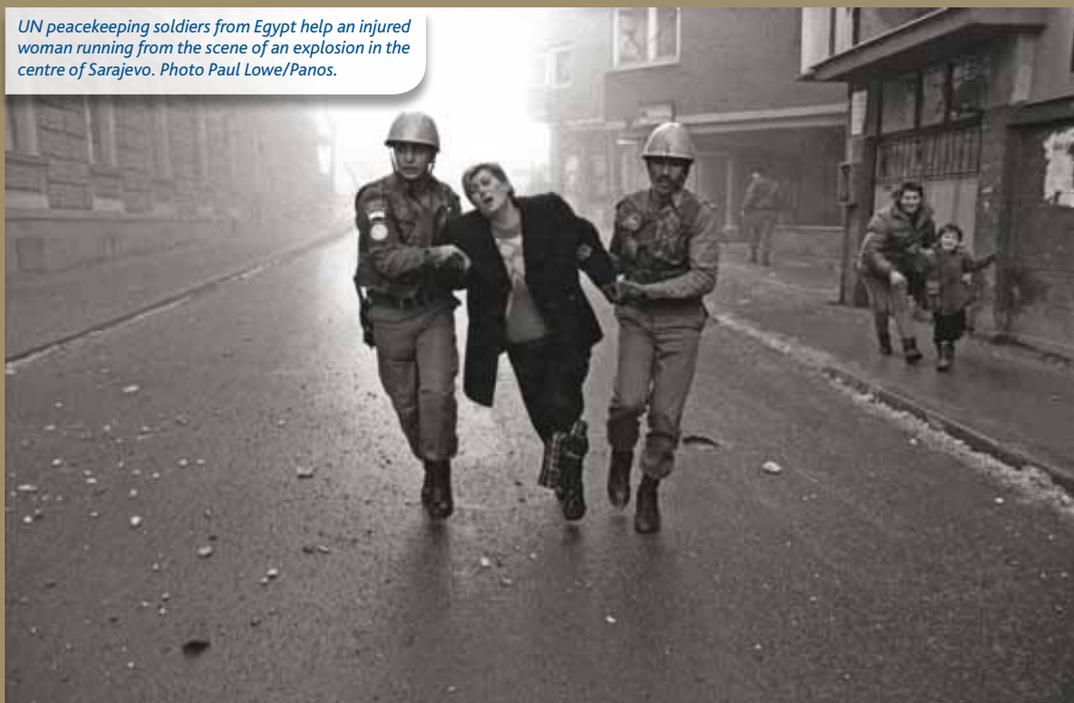
Performed variously in London, at the National Theatre, the Globe, and the Donmar, and on Broadway, McGuinness' plays are in the front rank of works which promote Greece and Rome to modern audiences.

The 2011 Classical Association Prize, and a cheque for £5,000, was presented to McGuinness, Professor of Creative Writing at the UCD School of English, Drama and Film in April.

Professor McGuinness is currently working on an operatic version of all three of Sophocles' Theban plays, with a score by Julian Anderson, which will be performed by the English National Opera in 2013.

The Classical Association is the largest classical organisation in Great Britain. It was founded in 1903 'to promote the development and maintain the well-being of classical studies'.

UN peacekeeping soldiers from Egypt help an injured woman running from the scene of an explosion in the centre of Sarajevo. Photo Paul Lowe/Panos.



## Medium and Message: Conflict Photography in the Digital Era

In the last fifteen years, the digitisation of photography and the exponential growth of images on the internet have had profound effects on this medium of expression. Questions regarding the nature of the photograph and visual information more generally span questions of economics, cultural change, technological developments and stylistic innovation.

The UCD Clinton Institute for American Studies' IRCHSS-funded *Photography and International Conflict* project hosted its final events in early May. A two-day seminar addressed photography in the digital era through a specific focus on documentary photography and photojournalistic representations of conflict.

Creators and users of lens-based media such as photographers, NGO personnel, photo editors and other media workers, academics and commentators heard keynote speakers including Professor Susie Linfield, Director of the Cultural Reporting and Criticism programme at New York University; Stephen Mayes, Managing Director of VII Photo agency and award-winning photojournalist Ashley Gilbertson. The seminar proceedings were video-recorded and will be available on the project's website – [www.photoconflict.org](http://www.photoconflict.org)

The seminar was followed by one-day workshops; one designed for NGO/development organisation personnel and one for photographers. The Photography and International Conflict project is lead by UCD Clinton Institute Director Professor Liam Kennedy. Postdoctoral fellow Dr Caitlin Patrick organised the seminar/workshops.



Carmel Donohue (R), Business Unit Manager, Abbott Laboratories, one of 20 donors to UCD's Newman Fellowship Programme, with Professor Diarmuid O'Donoghue, Newman Professor of Clinical Research, St Vincent's University Hospital and Dr Aoibhlinn O'Toole, the Abbott Laboratories Newman Fellow in Inflammatory Bowel Disease at a dinner in Newman House to celebrate 22 years of the UCD Newman Fellowship Programme.

## Leaving nothing to fluke

If you ever studied biology, you probably have the life cycle of the liver fluke tucked away in some corner of your mind. But while this flatworm may be beloved of science curricula, liver fluke is less welcome in the farming sector, where it is thought to cause global losses of over €1.4 billion each year.

At the moment, liver fluke is controlled by giving livestock drugs to kill the parasites. But a team at UCD has been working on a different approach: to vaccinate the animals by literally teaching the animal's immune system to recognise a key protein that the fluke uses to live in its host.

It's a move that stands to reduce the burden of disease as well as the cost of monitoring food products for drug residues. And UCD is leading the charge in a major new European project that aims to come up with a commercial vaccine against liver fluke.

But developing a vaccine against a parasite is not as easy as it sounds, according to Professor Grace Mulcahy, Dean of Veterinary Medicine and Professor of Veterinary Microbiology and Parasitology at UCD.

"Parasites are very complex organisms, it's not like producing a viral or bacterial vaccine," she explains. "If a virus is a single Lego brick, the parasite is like the most complicated Lego toy you can make. And these flatworms manage to confuse the immune system of the host – you have to be several steps ahead of them."

Professor Mulcahy has a long-standing collaboration with Professor John Dalton at McGill University in Canada, a UCD graduate whom she met when he was working at Dublin City University in the early 1990s. Together they have been developing a vaccine that homes in on a protein in the parasite called cathepsin. The fluke uses the enzyme to invade tissues of the host animal, for its own nutrition and to try and trick the host's immune system into ignoring the infection.

Professor Mulcahy and Professor Dalton have shown that if you make a recombinant version of cathepsin in the lab and inject it into cattle, the animals mount an immune response against it. This seems to teach their immune systems to react when they meet the real parasite protein as the fluke infects.

Field trials with this vaccine show it can reduce the parasite burden of an animal by around 50-60 per cent, which could be enough to help control the fluke in livestock, explains Professor Mulcahy. And the new European consortium PARAVAC, which has just kicked off, aims to further develop the vaccine approach.

The project, one of the biggest animal health initiatives ever funded under the European Framework Programme, involves over 20 partners from countries within the EU and from regions where both livestock and trade links with Europe are important: South America, North Africa, Canada and Australia. Led by the Moredun Research Institute in Edinburgh, the €9-million project is looking at both roundworm and flatworm parasites, such as fluke. UCD's role is to lead the flatworm arm of the project, and Professor Mulcahy will be working with UCD colleagues including Dr Theo de Waal and Dr Clare Hamilton.

"We are really moving from the laboratory and the artificial situation into the real world, to real-time, on-farm experience of what the effects of these vaccinations are going to be,"

During the four-year study they want to flesh out some interesting aspects, such as the long-term effects of the vaccines on the parasite load, and also whether being infected with liver fluke could be holding the door open for other diseases in cattle.

"Because liver fluke is so good at subverting the immune system of the host, it can potentially interfere with the ability of the animal to deal with other diseases, like bacterial infections," says Professor Mulcahy. "That aspect will also be included in the project."

In particular the UCD group wants to explore some of their preliminary findings that suggest if an animal has tuberculosis, a liver fluke infection may make it harder to detect. "We have done a limited amount of experimental work that shows that could be the case but that's an artificial situation," says Professor Mulcahy. "We would really like to see whether that is of significance at field level in large-scale studies."

The ultimate goal of the European project though is to translate the science into a commercial product that livestock producers can use, and to that end the researchers will be tweaking their candidate vaccines to try and make them more effective, notes Professor Mulcahy.

Having a product in hand or ready to go onto the market at the end of a four-year project is an ambitious target, but she notes that the researchers are hitting the ground running as they have already been working out the science – this is not being done from scratch.

Industry partners in PARAVAC, which include Pfizer Animal Health and Triveritas should also be able to offer insights into how to go from lab to market, she notes.

More generally, Professor Mulcahy hopes the European project will also help to raise the public profile of vaccines and how they can improve animal health.

"I think vaccination has unfortunately got rather a bad press in recent years," she says. "Vaccines have done more than almost anything else to combat infectious diseases, in both humans and animals in the world and I think it's up to us to explain to the public how they work. I hope through this project that is one of the things, apart from the scientific work, that we will be able to do."

*Grace Mulcahy was in conversation with freelance journalist Claire O'Connell (BSc 1992, PhD 1998).*

### Anti-fluke vaccines — easier for consumers to swallow?

Controlling diseases in livestock can be a tricky balance – it's important that medication residues don't end up on dinner plates, and Professor Grace Mulcahy believes that vaccines could offer a useful route to protect cattle from liver fluke infection without contaminating meat or milk.

"At the moment liver fluke and many other parasitic diseases are controlled by giving drugs to cattle to kill the parasites," she explains.

"Because they are drugs, they do persist for a certain amount of time within tissues and farmers have to observe very strict withdrawal periods so that the levels of drugs in meat or milk would be below the levels that are set by the regulatory authorities."

Monitoring this withdrawal is a costly process, and obeying the rules can pose particular challenges in dairy cattle, notes Professor Mulcahy.

"If you are producing beef there is only one point in time, when the animal is killed, that you have to make sure no residues are present," she says. "But in dairy production the cattle are constantly producing milk. So this method of control for dairy production in particular – which is an area that is going to be really emphasised in Ireland in the future – is really very difficult."

But a vaccine approach could help overcome the residue issue, explains Professor Mulcahy, who is involved in a major European project to develop a vaccine against liver fluke.

"With a vaccine you administer it once or at most on two occasions, probably by injection and the persistence would be short. The vaccine would be gone within a week or two. Those residue issues simply don't exist at all."

Professor Grace Mulcahy





## PhD Profile – forests for clean air

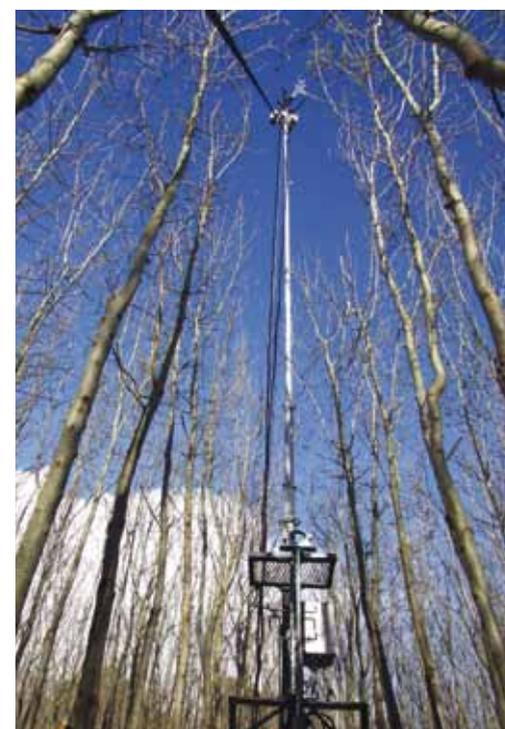
Research into the sequestration and storage of carbon in Irish forests is vital because of commitments under the Kyoto agreement. In the 1997 Kyoto Protocol, Ireland agreed to reduce its CO<sub>2</sub> emissions to 13% above 1990 levels by the period 2008-2012. One of the proposed ways to mitigate CO<sub>2</sub> increases in the atmosphere is through afforestation. Measuring the results of tree-planting programmes is critical.

This photograph was taken on a field trip to privately-owned forestry land and shows an extendable mast reaching above the canopy of a young ash forest carrying meteorological and air sampling instrumentation. The mobile tool monitors the growth performance of a forest stand (planted area). It measures the uptake or release of carbon from the air above an ash stand. Taking measurements from above the forest canopy allows an integration of the performance of many individual trees, and thus the growth of the forest as an entity can be monitored. Such stand-level measurements are compared with tree-scale measurements at various stages of a forest's development, in order to examine how forest management can be manipulated to maximise carbon storage efficiency.

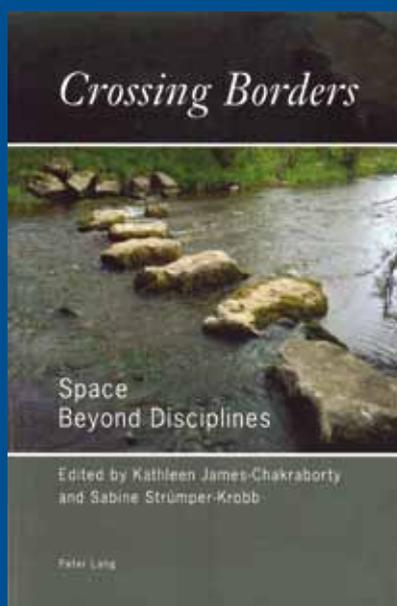
The project is funded by COFORD, the National Council for Forest Research and Development, and continues the work begun by the first phase project CARBIFOR (2001-2004). Collaborators include Coillte, a number of private forest land-owners, the UCD School of Agriculture, Food Science and Veterinary Medicine and the UCD School of Biology and Environmental Science."

Dr Tobin said, "The principle aim of the CARBIFOR II project is to quantify the ability of a number of types of Irish forests to fix and store atmospheric carbon. This is important as it reduces the concentrations of climate-harming greenhouse gasses in the atmosphere, and also the research data will be used in calculating figures for Kyoto reporting. It will also help us to understand forest productivity and how changes in land use effect greenhouse gas emissions."

"This project gave me the opportunity to build on work done for my PhD, continuing work in an area I have always been interested in. It has given me the opportunity to be involved in both lab-based work here in UCD and to travel around the country doing field work."



'Reaching for Heaven' by Dr Brian Tobin, postdoctoral fellow in the UCD School of Agriculture, Food Science and Veterinary Medicine, for the UCD Images of Research competition



## Space beyond disciplines

A new book, edited by Professor Kathleen James-Chakraborty, UCD School of Art History & Cultural Policy, and Dr Sabine Strumper-Krobb, UCD School of Languages & Literatures, looks at one of the most important new directions in interdisciplinary humanities research – the move from language towards an engagement with the way in which physical space is imagined.

Published by Peter Lang, *Crossing Borders – Space Beyond Disciplines* treats three distinct themes: 'Negotiating Belonging', 'Public and Private Urbanity' and 'Landscapes, Borders and Sites'. Thirteen papers are contributed from notable Irish and international scholars, including Dr Strumper-Krobb, whose paper deals with the concept of 'Spaces of Translation' and Professor James-Chakraborty, whose chapter gives an architectural historian's perspective on the debate over the Mosque in Cologne. Other UCD contributors are: Professor Mary Gallagher, Dr Monica Francioso, Dr Alison Ribeiro De Menezes, and Dr Douglas Smith from the UCD School of Languages & Literatures and Professor Tadhg O'Keefe from UCD School of Archaeology.

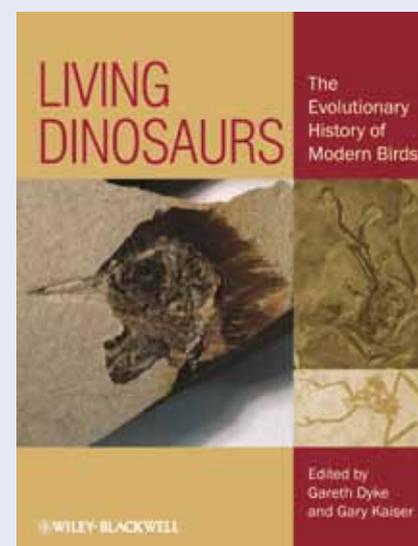
The contributors demonstrate how integral space is to literary as well as artistic imagining and identity and propose novel ways of capturing and documenting spatial experience. They also show how the construction and representation of space, both real and imagined, contributes to the exploration of contemporary concerns such as identity, belonging and memory.

## Living Dinosaurs

*Living Dinosaurs* offers a view of our current understanding of the origin and evolution of birds. After slumbering for more than a century, avian palaeontology has been awakened by startling new discoveries on almost every continent.

Controversies about whether dinosaurs had real feathers or whether birds were related to dinosaurs have been swept away and replaced by new and more difficult questions: How old is the avian lineage? How did birds learn to fly? Which birds survived the great extinction that ended the Mesozoic Era and how did the avian genome evolve? Answers to these questions may help us understand how the different kinds of living birds are related to one another and how they evolved into their current niches. More importantly, they may help us understand what we need to do to help them survive the dramatic impacts of human activity on the planet.

*Living Dinosaurs: The Evolutionary History of Modern Birds* is co-edited by Dr Gareth Dyke, vertebrate palaeontologist in the UCD School of Biology and Environmental Science with Canadian biologist Gary Kaiser.



## Structured electives awards

Students graduating this summer will be the first to receive Structured Electives awards on their final transcripts, in the area of Social Justice. Within the framework of UCD Horizons, schools can propose small coherent blocks of electives, amounting to at least 15 credits, as Structured Electives that are recognised alongside the graduate's major and minor degree subjects. The first set of Structured Electives was approved this year, and involves students taking their electives in a range of modules including Inequality in Irish Society, Global Justice, Feminism Today, Feminist Perspectives on the Economy and Social Justice Movements. Structured Electives awards will enable students to show that they have used the flexibility of UCD Horizons to develop competences beyond their degree subjects.

About 40 undergraduates will receive Structured Electives awards in 2011 and this is set to expand in both numbers and subject areas in the future.



Pictured are (l-r): Seamus Heaney; poet Professor Harry Clifton; Pat Moylan, Chair Arts Council; and poet Anthony Cronin. They are shown at UCD in March 2011 when Professor Clifton gave a lecture in his capacity as current holder of the Ireland Chair of Poetry, on the topic of 'Seriously Into Cultural Detritus: Writing the Rustbelt in Britain and Ireland'

## Tail hair tells tale of cattle diets

Tail hair can show if cattle have been grass-fed or not, according to scientists. By chemically analysing the tail hair, it is also possible for scientists to tell if, and when, a grass diet has been substituted for other types of feed over the past 12 months.

The findings published in the *Journal of Agricultural and Food Chemistry* show a clear scientific traceability and verification of grassland production.

"We can no longer depend on paperwork alone to trace production methods or feeds given to farm animals," says Professor Frank Monahan from the UCD School of Agriculture, Food Science, and Veterinary Medicine, and the UCD Institute of Food and Health, the first author of the scientific study.

"A tail hair of approximately 30 centimetres in length contains over a year's information on the animal's diet, with the hair closest to the skin holding clues to the most recent diet," he explains.

The method involves combusting the tail hair and measuring the isotopes of hydrogen, carbon, nitrogen and sulphur emitted.

Following the analysis, the scientists can almost identify the precise day when the grass diet of the animal may have been substituted with cereal or concentrate.

## UCD-Franciscan partnership renewed

In February 2011, UCD President Hugh Brady and Franciscan Provincial Caoimhín Ó Laoide signed a renewal of the unique partnership agreement between the university and the Irish Franciscans. This inaugurates the second decade of this successful affiliation that has enhanced an archival deposit by turning it into a vibrant research and teaching enterprise. In 2000 the friars placed not only iconic manuscripts like the *Annals of the Four Masters* in the care of UCD, they also started on a process of mutual cooperation with the university which is realised by the Mícheál Ó Cléirigh Institute.

In the last ten years the Institute has focused on conserving and digitising the manuscripts, organising weekly seminars and regular international conferences. It has also worked to train and enthuse a new generation of scholars who engage with the cultural treasures entrusted to UCD by the Franciscans. Research undertaken to date has opened up new areas of investigation into the history of medieval and early modern Ireland. In the coming years the partnership will continue its service to the university and the wider national and international community by proposing this collaboration as a model for others to follow.



Pictured at the renewal of the UCD-Franciscan partnership are (l-r, back): Dr Edel Bhreathnach, Deputy Director UCD Mícheál Ó Cléirigh Institute; Dr John McCafferty, Director UCD Mícheál Ó Cléirigh Institute; Dr Joe MacMahon, Franciscan Provincial Secretary; Professor Mary Daly, then College Principal, UCD College of Arts and Celtic Studies; and (l-r, front): Franciscan Provincial Caoimhín Ó Laoide with UCD President Dr Hugh Brady



Pictured at the UCD Hanami and tree-planting ceremony were students of the UCD-DCU Taiko drum team with (l-r): Hugo O'Donnell, UCD Applied Languages Centre; Yasuyuki Ozeki, Vice-Chairperson Irish Japan Association; Mary Ruane, UCD Applied Languages Centre; James Mc Donnell, Auditor UCD Japanese Society; Tatsuo Kitagawa, Councillor Embassy of Japan in Ireland; and Dr Martin Butler, UCD Vice-President for Students



Dr Tom Hardiman speaks at St Patrick's Cathedral at the event to commemorate the victims of the Tohoku Earthquake & Tsunami. Dr Hardiman is currently ASEF (Asia Europe Foundation), Governor for Ireland and Member of the Supervisory Board of the EU-Japan Centre for Industrial Cooperation, and Chairman of the Board of Trustees of the Chester Beatty Library  
Photo from www.collinsphotos.com



Drummers from the UCD-DCU Taiko drum team perform at 'Experience Japan 2011' in the Phoenix Park

## Thoughts with Japan

In early April 2011 an event to remember the victims of the Tohoku Earthquake & Tsunami, and to mark Ireland's solidarity with Japan, was held in St Patrick's Cathedral. This event, attended by His Excellency Ambassador Toshinaho Urabe, was organised by the UCD Applied Languages Centre and members of the UCD Japanese Student Society.

The ALC, along with students of Japanese in both UCD and DCU, also worked together on preparations for 'Experience Japan 2011', a celebration of Japanese culture in Ireland, which

was established in 2010 under the auspices of Dublin City Council.

'Experience Japan 2011' centred around a celebration of a Hanami (Cherry Blossom) Festival on the Farmleigh Estate (Phoenix Park). Hanami is an annual event in Japan where families and friends come together for outdoor parties to welcome spring and celebrate nature. The festival offered visitors the opportunity to experience many aspects of Japanese culture, including Taiko drum performances, Cosplay fashions framed with traditional Kimono displays, martial arts,

traditional Japanese music, origami and story telling, and also to sample Japanese food.

Following on from this, UCD Applied Languages Centre and the UCD Japanese Student Society held a Hanami Celebration later in April on the Belfield campus. Three trees were planted by the students to commemorate the victims of the Japanese earthquake, joining the 100 flowering cherry trees which replace those beside the Science Building which were donated to UCD by the Ireland-Japan Association.

## Philosopher and author AC Grayling at UCD

Speaking at the UCD John Hume Institute for Global Irish Studies, about his new book *The Good Book: A Secular Bible*, Professor A.C. Grayling emphasised the centrality of the great Socratic question: 'How is one to live?'

Few, if any, thinkers and writers would have the imagination, the breadth of knowledge, the literary skill, or the audacity to conceive of a

powerful, secular alternative to the Bible. But that is what A.C. Grayling has done by making a non-religious Bible, drawn from the wealth of secular literature and philosophy in both Western and Eastern traditions, using the same techniques of editing, redaction, and adaptation that produced the holy books of the Judaeo-Christian and Islamic religions.

Speaking at UCD, Grayling outlined that the book, thirty years in the making, draws on the writing of Herodotus and Lucretius, Confucius and Mencius, Seneca and Cicero, Montaigne, Bacon,

and many others up to the dawn of copyright. *The Good Book* considers the origin and progress of the world and human life in it. It devotes attention to questions of how life should be lived, how we relate to one another, and how vicissitudes are to be faced and joys appreciated.

Author A.C. Grayling is professor of philosophy at Birkbeck College, University of London. A fellow of the World Economic Forum and past chairman of the human rights organisation June Fourth, he contributes frequently to the Times, Financial Times, Economist, New Statesman, and Prospect.

## Guide to support students with a disability

People with disabilities can encounter social, economic and physical barriers in attempting to participate in everyday activities (AHEAD 2008). Many of these barriers must now be removed as a matter of law; but legal developments will have

little impact without attitudinal change and a shift in the culture of organisations. The education sector has a vital role to play in this regard.

A new resource guide, edited by Frances Howlin and Phil Halligan from the UCD School of Nursing, Midwifery and Health Systems, 'Supporting Nursing & Midwifery Students with a Disability in Clinical Practice: A Resource Guide for Clinical & Academic Staff' was launched at an international conference, held by AHEAD and the UCD School of Nursing, Midwifery and Health Systems in UCD O'Reilly Hall in March 2011. Speaking at the event, the President of Ireland Mary McAleese welcomed the guidelines, saying "Back in 1914, Florence Nightingale, the mother of modern nursing said "Unless we are making progress in our nursing every year, every month,

every week, take my word for it we are going back." Now almost a century later, this conference provides us with a very important opportunity to make very real progress in the area of nursing and midwifery education."

The guide is a resource for academic and work placement supervisors or staff members who support students with a disability both on campus and on work placements. Its relevance extends beyond nurses and midwives to a wide range of other professional disciplines including physiotherapy, medicine, diagnostic imaging, social work, engineering, law.

For more information, search for 'AHEAD' on [www.ucd.ie/nmhs](http://www.ucd.ie/nmhs)

# The art of physics

It started with a very practical idea. As a young student, Lorraine Hanlon had walked this corridor countless times, followed by the eyes of bearded gentlemen who stared out from their dusty, black and white portraits.

These men were amongst UCD's first physics professors, and their contribution had been immense. But as Head of UCD's School of Physics, the now Professor Hanlon wanted to illustrate the modern work of the university's physicists. Her initial idea seemed very simple: commission a few posters depicting images of research, and dot them around the school.

Emer O'Boyle, a graduate of the National College of Art and Design (NCAD), was called in to create the posters. It would take about a week – or so she thought.

That was last year. O'Boyle had no scientific background, but she was interested in the human stories behind science, and the people who move the discipline along. Over several months, she spoke to physics staff and students about their research, their ideas, and their passions and translated these into works of art.

"We wanted to show the face of modern physics and to illustrate what we are doing now," says Hanlon. "The idea persists that science is a dry, abstract, inhuman exercise. But it is, in my view, the greatest adventure that mankind has embarked on; the most exciting things we know about the world have emerged from science. We knew that modern physics would surprise people."

One of the pieces juxtaposes three pictures of UCD student John Eves, a PhD researcher in the UCD School of Physics. Framed as a memorial card, in one of these images, he is a young boy. In the others, the student researcher Eves smiles out from the frame. Each image is captioned by a date of death, one of which is hidden. These images, caused some controversy – because he is, in fact, alive and well.



'Portrait of A Quantum Physicist- John Eves', by Emer O'Boyle

O'Boyle wanted to depict the John's fascination with the possibilities of quantum physics, the subject of his PhD. One view of the piece is as a provocative illustration of the Many-Worlds interpretation of quantum mechanics. In some of these worlds, Eves – and indeed many other people who are alive and well in our world – are long dead and buried.

Another portrait captures one of the most significant eureka moments for UCD scientists within the past decade. Last year, Dr Ronan McNulty and his PhD student James Keaveney made front-page headlines across the world for their "rediscovery" of two hugely significant sub-

atomic particles (the W and Z bosons) at the new LHC in CERN, Switzerland, the largest atom smasher in the world.

Both O'Boyle and Hanlon were keen that, as well as showing the people behind the science, the portraits should challenge popular perceptions of what physics entails. "We wanted to capture the trail-blazing, often inter-disciplinary, work of contemporary physicists," says Hanlon.

To this end, one image looks at the thought processes underpinning the work of UCD physicists. Suzi Jarvis, UCD Professor of Biophysics, is investigating the misfolding of human proteins, a process associated with Alzheimer's and Parkinson's disease. One of O'Boyle's works uses graph paper, folded in parts, to explore the various layers of Jarvis' life and the intersection between her roles as researcher, supervisor, colleague, partner and mother.



'On Discovering functional amyloid-Professor Suzi Jarvis', by Emer O'Boyle

"The project led us in a different direction to what was initially envisaged," says Hanlon. "It was a lot of fun, and it quickly persuaded us that there was enough potential here for students to take the idea of collaborating across art and physics and run with it."

Realising the profound impact physics has on artistic concepts and practice, Emer proposed to further the art physics collaboration by bringing students from Physics and Fine Art together, to explore previously unknown common ground.

Staff from NCAD and UCD acted swiftly. Within months the two colleges were collaborating on "Tunnelling Art and Physics" a pilot module.

Eleven students are enrolled on the module, with sessions held in UCD and NCAD on alternating weeks. In keeping with the innovative nature of the project, students won't sit an exam. Instead, they will be assessed by a radical format: their ability to have an open-minded conversation with one another.

"We wanted to create a space where art and physics students would feel comfortable working together," says O'Boyle, who coordinated the module. "The challenge was to keep the process open-ended and not insist on a pre-determined outcome. We had to allow students to lead the process, identify common points of interest and work from there."

The module culminates in a presentation in a warehouse space in Dublin's city centre. Exhibits include a video installation based on interviews with artists and physicists about time, space, and the nature of reality. Another will look at the possibility of forms that may exist in nature, but are too small to be detected.

"Artists and scientists have more in common than you'd expect," says O'Boyle. "Both have an innate and passionate curiosity which leads them to explore the world. What this project shows is that when people have an opportunity for dialogue, good ideas will come out of it."

More possibilities await. Hanlon wants to involve O'Boyle in her astronomical work, seeing many possibilities for further collaboration through observing the stars, nebulae, and the vast cosmos which entralls the imagination of the scientist. This summer, meanwhile, an art installation at Belfield's O'Reilly Hall will explore a key area of common interest for physicists and artists – light.

"I've learned a lot from this process," says O'Boyle. "In school, my passion was art ... But this project has blown open my idea of the world, the universe we live in, our sense of scale, and the dominant position of physics in shaping our world and our society."

Professor Lorraine Hanlon and artist Emer O'Boyle spoke to freelance journalist Peter McGuire (BA, MLitt).



Professor Lorraine Hanlon and artist Emer O'Boyle photographed in the UCD School of Physics in front of 'The Msrtyeyof Eye Mnid Fncutoin - Dr Brain Vohnsen'



At the UCD Sigerson Cup Centenary Dinner and presentation of the 'Ulster Bank Sigerson Cup Team of the Century' were, front row (l-r): Tommy Duke representing his brother PJ Duke (UCD & Cavan 1945-1950); Martin Newell (UCG & Galway 1960-1964); Criostóir Ó Cuana, GAA President; President of Ireland Mary McAleese; Dr Martin McAleese; UCD President Dr Hugh Brady; Jim McDonnell (UCD & Cavan 1950-1954); Sean O'Neill (QUB & Down 1958-1965) Back row (l-r): Seán Martin Lockhart (UUJ & Derry 1990's); John O'Keefe (UCD & Kerry 1970-1975); Dermot Flanagan representing his father Sean Flanagan (UCD & Mayo 1944-1946); Seamus Moynihan (UCC/IIT & Kerry (1994-1999); Sean Freyne representing Pdraig Carney (UCD & Mayo 1945-1950); Brian McGauran representing his father Jimmy McGauran (UCG & Roscommon/Galway 1936-1940); Brendan Lynch (UCG & Kerry 1968-1972); Barry Brosnan representing his father Jim Brosnan (UCC & Kerry 1950-1953); Jackie Walsh (UCD & Kerry 1971-1975); Conor Brosnan representing his father Jim Brosnan; Peter Canavan (St Mary's College & Tyrone 1994-1997) Missing from photo Maurice Fitzgerald (UCC & Kerry 1987-1990)

## Sigerson centenary celebrations at UCD

The President of Ireland Mary McAleese spoke warmly of her personal love of GAA at the UCD Sigerson Cup Centenary Dinner in March 2011, "... we who are part of the GAA family know that it is a home to us, created by countless volunteers. It is an opportunity to participate, to learn, to

compete, to know the pride of winning, to cope with the pain of losing, to admire talent and effort wherever it is displayed. It is love of Ireland, love of heritage, history, language, narrative."

The dinner was the culmination of the Sigerson centenary celebrations, 'Sigfest', at UCD

and included the announcement of the 'Ulster Bank Sigerson Cup Team of the Century' which included 6 UCD players.

The centenary tournament was won by UCC, who were victorious over University of Ulster Jordanstown with a final scoreline of 0-10 to 0-7.



Pictured are (l-r): Aidan Cotter, Chief Executive of Bord Bia; Simon Coveney TD, Minister for Agriculture, Food and the Marine; Professor Damien McLoughlin, UCD Michael Smurfit Graduate Business School and current Bord Bia Marketing Fellow Fiona Fitzgerald

## Minister meets Bord Bia Marketing fellows

Addressing Bord Bia Marketing Fellows in April at the UCD Michael Smurfit Graduate Business School, Simon Coveney TD, Minister for Agriculture, Food and the Marine praised the success of the Fellowship Programme and indicated that at company level, graduates in the first Fellowship Programme had already generated almost €3m in actual sales.

"I believe we need to engender optimism and hope in young professional people. In its third year, the Programme is growing from strength to strength, and has paved the way for the Alumni Programme, which aims to build careers and develop talent in the industry", said the Minister.

Minister Coveney expressed his particular appreciation of the contribution of Professor Mary Shelman of Harvard University, who facilitated a workshop with the Fellows. In

the Pathways for Growth report Harvard University had concluded that 'we can certainly imagine that in 20 years time Ireland will be the most efficient, most highly innovative food and drink country in the world' and the recommendations made in Pathways were reflected in Food Harvest 2020.

Minister Coveney added "I strongly believe that the agri-food sector has a critical important role to play in leading Ireland's economic recovery. Irish food companies have in the last two years operated in the most adverse of market conditions. Despite this, Irish food and drink exports are estimated to have grown by 11% in 2010 to nearly €8 billion, demonstrating the resilience of food companies and the sector's importance as our leading indigenous manufacturing industry and generator of net export earnings".

## Natural defence cells that impede chemotherapy treatment

As part of the body's front-line defences against infection, white blood cells called macrophages often infiltrate tumours in great numbers. However, according to new research published in the scientific journal *Cancer Discovery*, these cells can make tumours more resistant to chemotherapy treatment.

The international team of scientists involved in the discovery have shown that a depletion of macrophages (TAM) in progressing breast tumours improved the anti-tumour effectiveness of paclitaxel, a chemotherapeutic agent.

"Our findings offer a new approach to improving the efficacy of established chemotherapy agents," said Dr Donal Brennan from the UCD Conway Institute, who, along with his colleague Professor William Gallagher, UCD School of Biomolecular & Biomedical Science and UCD Conway Institute, was part of the international team led by Professor Lisa Coussens from the University of California San Francisco.

Commenting on the significance of the findings, a news article in the leading scientific journal *Nature* said: these results "add weight to an emerging compelling case for deciphering the complexity of leukocyte infiltrates in breast cancer." And, "this may provide clinically relevant indications of the likely response to chemotherapy and thus patient survival."

The predictive signature developed during this research project took advantage of a novel image analysis approach, IHC-MARK, developed by Professor Gallagher's team at the UCD Conway Institute, to quantify inflammatory cell density in cancer tissues. The method is currently being in-licensed to the spin-out company, OncoMark Limited, which is utilising such automated image analysis approaches.

## Governing Authority appoints Acting Registrar/Deputy President



The UCD Governing Authority has appointed Professor Mark Rogers as Acting Registrar and Deputy President.

Currently Dean of Science, Professor Rogers has spearheaded significant changes over the past five years including revising and enhancing the structure of the science curriculum and its delivery to students as well as introducing new assessment practices. The improved profile of the degree has contributed to a substantial increase in student interest with undergraduate first preferences rising by 44% since 2007.

Professor Mark Rogers

Speaking after his appointment, Professor Rogers stressed the need to focus on the foundations of science in Irish universities. "I am committed to teaching across all years of the undergraduate programme. UCD Science has been instrumental in encouraging active learning and engagement with their subjects from the start of their university life

by introducing new approaches to teaching first year students. Encouraging the development of critical and reflective thinking in all our students is essential to ensure that they can get the best from the expert lecturers and researchers in the University."

In addition to his teaching role, Professor Rogers has a strong track-record in innovation in research. He was awarded an EMBO (European Molecular Biology Organisation) Fellowship in the University of California at San Francisco and subsequently the John Douglas French Foundation, he undertook research in the Laboratory of Nobel Laureate Professor Stanley Prusiner in prion diseases before returning to Ireland in 1991 to take up a lectureship at UCD. He has led several large EU research consortiums in prion research and developed immunodiagnostic technologies used by Enfer Scientific Ltd that have been commercially developed for BSE diagnosis and resulted in over €2 million in royalties accruing to the university.

## Dr Philip Nolan to be President of NUI Maynooth



Dr Philip Nolan, Registrar, Deputy President & Vice-President for Academic Affairs has been appointed as President of NUI Maynooth.

Congratulating Dr Nolan on his appointment, UCD President Dr Hugh Brady said, "NUI Maynooth has appointed a man of extraordinary ability, drive and integrity and I wish him every success in his new role as President there."

Dr Philip Nolan

"During his term as Deputy President here at UCD, Dr Nolan has worked tirelessly alongside UCD colleagues, playing a pivotal role in bringing about the curriculum reform of our degree structure through the introduction of UCD

Horizons, implementing the restructuring of our schools and colleges, fostering greater co-operation in teaching and learning between universities through the DRHEA and driving the internationalising of the university.

Maynooth's gain is our loss but I am confident that we will continue to work together for the betterment of all university students and academics in Ireland."

Professor Nolan has held the position of Registrar, Deputy President and Vice-President for Academic Affairs at UCD since 2004. He is a distinguished medical scientist and highly respected university teacher who has been central to the changes and developments at UCD in recent years.

## Two new principals appointed

Maeve Conrick has been appointed Professor and College Principal to the UCD College of Arts and Celtic Studies.

She currently holds the posts of Dean of Arts, Vice-Head of the College of Arts, Celtic Studies and Social Sciences, Head of the School of Languages, Literatures and Cultures at University College Cork and is a member of the Higher Education Authority.

Professor Gerald Byrne has been appointed College Principal to the UCD College of Engineering and Architecture. Currently Professor of Mechanical Engineering, Professor Byrne is also director of the Manufacturing Research Centre at UCD and has held senior posts in the College including Dean of Engineering.



Dr Maeve Conrick, new College Principal to the UCD College of Arts and Celtic Studies



Professor Gerald Byrne, new College Principal to the UCD College of Engineering and Architecture

## Globe Sustainability Award

In recognition of his outstanding contribution to sustainability research, Anthony Schoofs, UCD School of Computer Science and Informatics, has been awarded the Globe Sustainability Research Award 2011.

According to the awarding jury, his PhD research at CLARITY, the Centre for Sensor Web Technologies, demonstrates clear gains in all three dimensions of sustainable development – economic, social and environmental.

Anthony Schoofs' project has shown that the power contribution of individual appliances can be extracted from a building's power load captured with a single meter, via intelligent pattern recognition technique, or via combination with other sources of information such as machines' activity onto local area networks indicating power consumers at a given time.

The work has been implemented and tested into multiple pilot sites, ranging from hotels to hospitals, and is in the process of commercialisation.

## UCD in Global Virus Response Network

Led by co-discoverer of the HIV virus, Dr Robert C Gallo, many of the world's foremost medical virologists have formed the Global Virus Response Network in response to the resurgence of deadly viruses.

Initially linking centres of excellence in virology in fifteen countries, the GVRN will serve as a global authority and resource for identification, investigation, intervention and eradication of viral diseases. Each year millions of people die and millions of children are left orphaned by the cruel scourge of infectious viruses such as HIV, Hepatitis and Polio.

"The only way to fight against threatening global epidemics and pandemics is to pool our knowledge, share our research findings, and create a combined momentum to influence Governments and change public attitudes and responses," says Professor Bill Hall, UCD School of Medicine & Medical Science, one of the co-founders of the GVRN.

Acting as global first-responders to dangerous viruses, the GVRN will operate as an international clearinghouse to disseminate critical information to governments, health organisations, healthcare practitioners and the public-at-large.

The GVRN will share research on known viruses such as SARS and Dengue haemorrhagic fever and improve international capacity for dealing with epidemics and pandemics such as H1N1. The GVRN will also work to overcome the critical shortage of trained medical virologists world-wide by providing education, training opportunities and international exchange programmes.

*'Zhuchengtyrannus magnus' as illustrated by Robert Nicholls. According to findings published in the journal 'Cretaceous Research', scientists have identified a new species of gigantic theropod dinosaur, a close relative of T. rex, from fossil skull and jaw bones discovered in China. Dr David Hone from the UCD School of Biology and Environmental Science was lead author of the paper, which collaborated with the Beijing Institute of Vertebrate Paleontology and Paleoanthropology in China. To hear Dr Hone speak about the discovery, search for 'T. rex' on www.ucd.ie*



## Distinguished Scholar Award for world leader in cognitive neuroscience

The first Distinguished Scholar Award from the UCD School of Psychology was presented in March, when Professor Eleanor Maguire, a former student of the School and internationally-recognised world leader in cognitive neuroscience, gave a public lecture, entitled 'Memories are made of this'.

The lecture drew on the latest advances in neuroimaging technology as well as on recent evidence gathered from patients with brain injury to define and explore the functional neuroanatomy of episodic (autobiographical) memory, spatial navigation and imagining the future. She also outlined and considered the most recent theoretical frameworks that seek to explain our capacity for mental time travel.

Professor Maguire undertook her undergraduate degree at UCD and first became interested in the neural basis of memory, her specialist area within neuroscience, while working with patients undergoing surgery for epilepsy at Beaumont Hospital. She went on to conduct her PhD at UCD on the topic of real-world spatial memory following temporal-lobe surgery in humans.

She is currently a Wellcome Trust Senior Research Fellow and Professor of Cognitive Neuroscience at the Wellcome Trust Centre for Neuroimaging at University College London, UK, where she is also the Deputy Head. She is also an honorary member of the Department of Neuropsychology, National Hospital for Neurology & Neurosurgery, Queen Square, London.

## Careers module recognised in national competition

The Association of Higher Education Careers Services (AHECS) has recognised a new careers module delivered by the UCD Career Development Centre (CDC) with the UCD School of Computer Science & Informatics in its Employability Awards. The CDC encourages students to work in three stages on their career planning: engagement and personal development while at university; 'employability' or 'soft' skills development and 'transitional' skills such as job-seeking, CV and interview technique.

The embedded 5-credit 'Computer Science in Practice' module is designed along these lines. A high level of employer input helps students learn more about the careers open to them, the labour market and the skills employers look for. This allows them to make earlier career decisions. Course leader and Deputy Director of the CDC David Casey says, "Students who can identify career preferences early on can source and compete more effectively for summer and longer internships. This in turn helps them plan for their graduate and employment options after college." The module programme included a bootcamp event, inputs on the importance of campus engagement, self-assessment, industry visits and networking events.

Also recognised were the 'Steps to Success' programme from the Institute of Technology, Tralee and the 'Food graduate development programme' at UCC. AHECS is the representative association for careers advisory and placement professionals in 27 higher education institutions in Ireland.



*Pictured at the launch of 'Seoda as Cnuasach Bhéaloideas Éireann' / Treasures of the National Folklore Collection were (l-r): T.K. Whitaker who wrote the foreword to the book; then Minister for Education Mary Hanafin and co-editor Professor Ríonach úi Ógáin. The book is primarily visual, drawing on the diverse collections found within the archive. The book consists of sixteen essays in English, Irish and Scots Gaelic and each author has written about a particular aspect of the National Folklore Collection's holdings such as the photographic collection, the paintings or the sound archive for example. The book is co-edited by Dr Críostóir Mac Cárthaigh, Professor Séamas Ó Catháin, and Dr Seosamh Watson*

## Intranet resource supports UCD researchers

One of the challenges facing UCD researchers is the diversification of the funding base. There is a move away from exchequer funds and a focus on new sources. 28% of new research awards are now non-exchequer funded, compared with 18% two years ago.

To support researchers, a redeveloped intranet site has been devised by UCD Research, to take into account the changing nature of activity and to provide improved online resources and support.

The site provides timely information on all relevant funding calls from national, European, and international bodies, including international trusts and foundations along with resources to support applications and proposals.

Karina Daly, UCD Research Services Manager says: "The research funding environment has changed significantly in the last four years. Researchers are now required by funding bodies to have in-depth knowledge of the financial, legal, IP, compliance and HR aspects of any proposal submitted. We hope the revamped site will help with this and keep colleagues up-to-date on the changing regulatory environment."

Professor William Gallagher, Vice-Principal for Research and Innovation, College of Life Sciences, says, "In order to ensure the sustainability of the important research programmes underway in UCD, we must be aware of all the funding opportunities available in our areas of expertise and have access to the necessary information to maximise our fundraising potential. The relaunched UCD Research Intranet is proving highly valuable as a resource."

The Research Intranet is available at [www.ucd.ie/research](http://www.ucd.ie/research), using Connect logon and password.

## New Connect Mail service for students in partnership with Google

UCD's 24,000 students will benefit from an increased email capacity of 7GB, integrated mail and calendar, Google docs and an option for mobile synchronisation, under a new partnership agreement with Google for UCD student mail.

Brian Morrissey, Head of Web Services, UCD IT Services states "We are delighted to introduce this cloud service as it brings with it the benefit of reducing administration and system enhancements costs for UCD. Students will get

additional mail storage together with closer integration of their calendar and direct access to Google Docs."

Another benefit for students is increased mobility. "Smart phones and similar devices are increasingly popular among the student community and these mail and calendar services can be synced to their smart phones offering greater accessibility."

More information at [www.ucd.ie/studentmail](http://www.ucd.ie/studentmail)



*Pictured at the UCD Festival of Research & Innovation - Health & Healthcare Delivery in April were (l-r): Professor Michael Gilchrist, Vice-Principal for Research and Innovation, UCD College of Engineering, Mathematical and Physical Sciences; Dr Brian Vohsen, UCD School of Physics; and Professor Gareth Redmond, UCD School of Chemistry and Chemical Biology. Thirty-one speakers from 11 Schools and two Institutes, including both established and emerging investigators, as well as two speakers from the National College of Art and Design, covered the topics on Design and Health; Lifespan: Food, Ageing and Independent Living; New Insights into Disease Mechanisms; E-Health and Personalised Medicine; Drug Development in the Academic Arena; and Next Generation Medical Devices*

## Public Service Media: Challenges in Challenging Times

"Whether it's the seanchaí or the editor, there are those to whom we continue to look to tell us our story."

Distinguished public figure and Adjunct Professor at the UCD School of Irish, Celtic Studies, Irish Folklore and Linguistics, Cathal Goan (former Director-General RTÉ), gave his inaugural lecture, entitled 'Public Service Media: Challenges in Challenging Times' in April 2011.

Providing a comprehensive assessment of the fiscal, technological and social issues that shape contemporary public service broadcasting, Adjunct Professor Goan gave perspectives from his career and research, and suggested that, "... making sure we continue to hear our own voices truthfully, independently and confidently carried above the clamour is as pressing now as it was ever before and if, on foot of open public review, we recognise shortcomings in or threats to that facility we should move to address them. In that way we may

underwrite the trust that most Irish people have that they are well-served by their public service media organisation."

A UCD Celtic Studies graduate, Cathal Goan is a native of Belfast, and writes and lectures on Irish traditional song. Prior to his role as Director-General at RTÉ, Goan was Editor of Irish-Language Programming, and Ceannasaí of Teilifís na Gaeilge (now TG4). He has been appointed for a five-year term as Adjunct Professor at the UCD School of Irish, Celtic Studies, Irish Folklore and Linguistics, where his work will focus on supporting undergraduate modules on journalism in Irish and providing a number of master classes on broadcasting on the taught masters programme *MA i Scríobh agus Cumarsáid na Gaeilge*.

Welcoming him in his new role, Professor Liam Mac Mathúna, Head of the UCD School of Irish, Celtic Studies, Irish Folklore & Linguistics said, "The School is very fortunate in having the opportunity

to collaborate with such a distinguished public figure and scholar as Cathal and receive his advice. We look forward to benefiting greatly from his broad experience and expertise."



Adjunct Professor at the UCD School of Irish, Celtic Studies, Irish Folklore and Linguistics, Cathal Goan



Pictured at a UCD Humanities Institute symposium to celebrate the extraordinary contribution of Professors Rolf and Magda Loeber to the study of Ireland's material, cultural and literary heritages were (l-r): Dr Marc Caball, Director UCD Humanities Institute; Professor Margaret Kelleher, NUI Maynooth; Anne Burnham, University of Pittsburgh; and Professors Magda and Rolf Loeber, University of Pittsburgh

## National award for UCD community education initiative

In recognition of collaborative work undertaken in the community, the Partnership Education Initiative in Drug Prevention Education and Research Capacity, co-ordinated by the UCD School of Applied Social Science, won the National Category Award at the 2011 AONTAS Star Awards.

The Initiative was established in response to specific needs identified by drugs projects engaged in adult and community education. It offers two specific diploma programmes designed to provide access to university-level courses and to give practical expression to the strong community focus that professional practice and service delivery in this field requires.

Working with its partners: An Cosán, Tallaght; Urrús, Ballymun and Merchants Quay Ireland (MQI), the UCD School of Applied Social Science has supported over 300 students to complete diplomas from these courses since 2002.

"I would not have ever had the confidence to take on studies at this level without accessing education through the community first," said Catherine Doyle, a social science student who came through the community programmes. "It has given me the confidence to participate in education on a level I could only ever dream of."

"...The partnership provides the opportunity for traditional university courses to liaise with community education structures and methods. The courses are an example of a community of learners, working together to understand more about a very serious social problem." said Dr Mary Ellen McCann, UCD School of Applied Social Science, Director of the Initiative.

The Department of Community, Equality and Gaeltacht Affairs has provided funding for the courses. It recognises the courses as an important initiative in the National Drug Strategy.

There were 84 nominations for the 2011 AONTAS Star Awards from across adult learning organisations, community and voluntary groups, the business sector, government agencies, statutory bodies and NGOs. A total of nine awards were presented, one of these was the National Star Award.

## Expansion of medical and engineering programmes in Malaysia

Ministers from the State Government of Terengganu, Malaysia, visited Dublin to sign an agreement for the provision of medical education by UCD and the Royal College of Surgeons in Ireland (RCSI) here in Dublin and by the two colleges in the State of Terengganu in Malaysia.

RCSI and UCD already run the Penang Medical College in the State of Penang, in Malaysia. 130 students currently spend the first 2.5 years of their medical training in Dublin and return to Penang at the clinical stage to complete their undergraduate education for a further 2.5 years.

The new agreement will establish a medical college branch campus in Terengganu, on the East coast. Building up to 150 students per annum, the Terengganu State Government will initially allocate 50 places for September 2011 to students selected by academic merit and interview.

These students will come to Ireland to study at UCD and RCSI for 2.5 years and will return to the new medical school in Terengganu to undertake their clinical training and complete their medical degrees – which are awarded by the two Irish colleges.

Signing the agreement, the Most Hon Haji Ahmad Razif bin Abd.Rahman, the Chairman on State Education, said, "Irish medical education has an excellent international reputation for training high quality, clinically skilled doctors and Terengganu welcomes this agreement with UCD and RCSI and to extend this education programme to our State."

In a separate ceremony, the UCD President Dr Hugh Brady, signed a memorandum of understanding with the Rector of TATI University College, Tenengganu, Malaysia, Dr. Mohd Rozailan Mamat Ibrahim. Arising from this MOU, it is hoped that a number of TATI engineering students will be able to undertake some of their undergraduate or graduate studies at UCD. The MOU also aims to facilitate staff exchange programmes as well as collaborative research.



Shown here are Patrick Kennedy, CEO, Paddy Power; and Senator Feargal Quinn, founder of Superquinn, who were honoured as UCD Business Alumni of the Year 2011. The awards are the highest honour UCD School of Business can bestow on a graduate and recognise alumni that have demonstrated proven leadership skills, notable achievement in business and a significant contribution to the community, in Ireland or abroad

## Strong commercialisation results for 2010

NovaUCD, the Innovation and Technology Transfer Centre at UCD, announced strong commercialisation results for 2010 in its Annual Report.

During 2010, UCD researchers reported 57 new invention disclosures to the University through NovaUCD. Thirty-eight patent applications, including 14 priority, 9 PCT (patent co-operation treaty) and 15 national/regional applications were filed by the University during the year. These patents were filed for intellectual property arising from research which took place across the University's Colleges, Schools and Institutes. 16 licence agreements were also concluded with a range of indigenous and international companies and 9 new high-tech companies located at NovaUCD.

In the 7-years since NovaUCD opened 16 UCD spin-out companies have been incorporated and just under 60 high-tech and knowledge-intensive companies have located at NovaUCD and availed of NovaUCD's support programmes and services.

Over 320 inventions have been disclosed by UCD researchers, over 100 priority patent applications have been filed and over 70 licence agreements have been completed since 2004.

The 2011 NovaUCD Campus Company Development Programme (CCDP) has recently launched with 13 New Ventures that reflect research from all around UCD. The CCDP is a nine-month, part-time programme which offers a mix of monthly workshops, mentoring and one-to-one consultancy. It is delivered by NovaUCD staff, with support from NovaUCD's sponsors, Enterprise Ireland, as well as other outside experts. This year a prize fund of €30,000 will be available to the 2011 CCDP award winners. In addition to cash prizes and 6-months free NovaUCD desk space, Arthur Cox and Deloitte will be providing professional services and AccountsIQ will be providing a year's free subscription to its accountancy software.



Pictured at NovaUCD (l-r) Greg Treston, Enterprise Ireland, Orla Rimmington, Kernel Capital, Donal Duffy, Bank of Ireland and Traoloch Collins, ServiceFrame (foreground)

## UCD Spin-in ServiceFrame Secures €950,000 Investment

The Bank of Ireland Seed and Early Stage Equity Fund has led a €950,000 investment in ServiceFrame. ServiceFrame, a UCD spin-in company headquartered at NovaUCD, is an Outsourcing Relationship Management specialist company.

The syndicated investment comprises of a €450,000 investment by the Bank of Ireland Seed Fund with the remainder of the funds provided by Enterprise Ireland and members of the executive team.

Established in 2009 ServiceFrame's technology enables companies globally to effectively evaluate, manage and govern their strategic outsourcing environments. Effective governance is critical to success in outsourcing and ServiceFrame's software reduces the manual effort and time spent by employees and managers in collecting and assessing governance data by at least 50%.

The ServiceFrame governance tool is currently being used by clients globally such as Ericsson, Royal Sun Alliance and Warner Music to successfully manage their supplier relationships.

The company will use the funds to drive further growth in the UK and US markets. It also plans significant recruitment of sales and technical staff over the next six months to support these growth plans.

## Sustainable Energy Innovation Award for Belfield Technologies

Energy entrepreneurs based at NovaUCD have won the Sustainable Energy Authority of Ireland's (SEAI) inaugural Innovation Award.

Belfield Technologies' winning product, the HIDLightSaver™, is the result of research into the costs associated with lighting and High Intensity Discharge (HID) lamps found in street lighting, floodlit arenas, motorways and retail outlets. The HIDLightSaver™, will help organisations reduce their energy costs and associated carbon footprint by as much as 35%. The technology also has the potential to generate savings of €14 million on street light running costs in Ireland alone.

Shortlisted finalists underwent a public 'dragons' den' style encounter with a panel of four judges; Terence O'Rourke, Managing Partner KPMG Ireland; Joe Harford, former Chairman ESRI; Niamh Boyle, Founder and Managing Director of Corporate Reputations; and Brendan Halligan, Chairman, SEAI.

The founders of Belfield Technologies are Dr Ger Devlin, Dr Kevin McDonnell, David Megan and Brian McDonnell, Bioresources Research Centre, UCD School of Agriculture, Food Science and Veterinary Medicine.

## Celtic Catalysts Scoops Innovation Award

Celtic Catalysts, the UCD School of Chemistry and Chemical Biology spin-out, has won a 2011 Irish Times InterTradeIreland Innovation Award in the 'Application of R&D' category.

The Irish Times InterTradeIreland All-island Innovation Awards recognise and promote the best service, product or operational innovations throughout the island of Ireland. Over 120 companies entered the seven categories of the competition.

Celtic Catalysts, co-founded in 2000 by Professor Declan Gilheany and Dr Brian Kelly, has developed ground-breaking chemistry that enables its end-user clients in the pharmaceutical, biotech and fine chemicals industries to realise significant manufacturing cost savings. The company's technology and products are integrated into the manufacture of a number of potential blockbuster drugs currently in development by major well-known pharmaceutical companies.

This latest award follows a number of awards received by NovaUCD-headquartered company and its founders in recent years including including; the Thistle Biotech International Rising Star Award (2008), the NovaUCD Innovation Award (2008) and the Shell Livewire Entrepreneur of the Year Award, Regional Winner (2006).



UCD men's senior VIII crew, (l-r): Peter Grogan; Gearóid Duane; Sean Jacob; Finbar Manning; David Neal; Sean O'Neill; Richie Murray; and Colm Pierce



UCD women's senior VIII crew Bronwyn Lait; Laura Reid; Aoife Gilligan; Siofra Bennett; Amy Bulman; Claire Ní Reachtagáin; Karen Joy; cox Ciara McGowan; and Clodagh Tanner

## Clean sweep in rowing colours — Gannon stays at UCD

The men's senior VIII rowing crew recorded an impressive four length lead to beat Trinity in the 64th Gannon Cup race on St Patrick's Day. The women's senior VIII fought off a strong challenge from Trinity to win the Corcoran Cup giving UCD a clean sweep of colours as both novice boats also won.

Run over a 2.2 km course, the races set off from O'Connell Bridge on the River Liffey and finished at St James Gate. This year the rowing colours were incorporated into the St Patrick's

Festival. Wearing their traditional St Patrick's blue and saffron on the national feast day, the UCD crews won each race with the support of students and supporters on bikes and open-topped buses and a crowd of tourists in Dublin for the parade. The trophies were presented at the GPO by the President of UCD, Dr Hugh Brady.

UCD men's senior VIII crew were: Cox: Jenny Lynch (3rd Gannon); Stroke: Peter Grogan (2nd Gannon); 7: Gearóid Duane (1st Gannon); 6: Sean

Jacob (5th Gannon); 5: Finbar Manning (3rd Gannon); 4: David Neal (4th Gannon); 3: Sean O'Neil (3rd Gannon); 2: Richie Murray (2nd Gannon); Bow: Colm Pierce (Captain) (3rd Gannon) and Coach: Pat McDonagh

UCD women's senior VIII crew were: Cox: Ciara McGowan; Stroke: Bronwyn Lait; 7: Laura Reid (Captain); 6: Aoife Gilligan; 5: Siofra Bennett; 4: Amy Bulman; 3: Claire Ní Reachtagáin; 2: Karen Joy; Bow: Clodagh Tanner and Coach: Pat Gannon

## UCD GAA success on all levels

UCD GAA sportspeople played key roles in U21 and Senior County level successes in May, and advanced their progress to the Senior Football Championship.

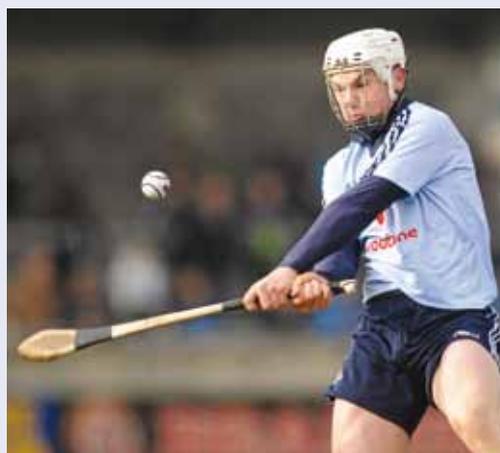
Current UCD players and alumni were part of a historic milestone for Dublin hurling in Croke Park in early May as the team seized its first National League of Ireland title since 1939 in a 0-22 to 1-7 victory over Kilkenny. Current students Liam Rushe, Oisín Gough, Conor Clinton, Daire Plunket, Ronan Walsh and Barry O'Rourke played their part in the campaign. They were joined by alumni including team captain John McCaffrey, injured captain Stephen Hiney, Tom Brady, Joey Boland and David O'Callaghan.

Commenting on the success, David Billings UCD Gaelic Games Executive, "We are delighted with Dublin's historic victory in the National League and hope it will prove to be a platform for further success. We in UCD have a proud tradition of supporting Gaelic games in the capital. Indeed many of the players on the Dublin team, currently are, or have been, in receipt of a hurling scholarship while at UCD".

Notably, another UCD scholarship student Colin Forde, captained Galway to their Under 21 All Ireland Football Championship title on Sunday. While UCD's Niall Murray was a member of the defeated Cavan team.

UCD Gaelic footballers also secured their spot in Round 4 of the Evening Herald Dublin SFC when they edged out Fingal Ravens at Páirc Naomh Uinsíonn in May.

Ravens missed a penalty ten minutes from time when Warren Finnegan drove the spotkick



Liam Rushe in action for Dublin. Photo courtesy of Sportsfile.

over the crossbar after Ciarán Norton had been fouled to leave two points between the sides. However, UCD kicked on with Donie Kingston converting two frees and Tommy Warburton driving forward to slot his second point.

UCD 0-11 FINGAL RAVENS 1-6

SCORERS – UCD: D Kingston 0-4 (3f), M O'Hanlon, T Warburton 0-2 each, J Heslin, D Larkin, C Kenny 0-1 each. Fingal Ravens: W Finnegan 0-3 (0-2f, 0-1 pen), M Flanagan 1-0, D Daly, N Tormey, A Casey 0-1 each.

UCD – M McGinley; J Hayes, D Maguire, M Furlong; M Brazil, C Lenehan, T Warburton; J Heslin, M O'Regan; D Larkin, C Kenny, C Carthy; L Keaney, D Kingston, M O'Hanlon. Subs: C Boyle for Kenny (ht), P O'Hara for O'Regan (ht), E McHugh for Keaney (56), Kenny for Heslin (57).

FINGAL RAVENS – D Mitchell; B Caulfield, C Ó Scanail, J Boland; J Morris, M Lambe, C Prendeville; D Daly, M Flanagan; N Tormey, W Finnegan, C Norton; I Kavanagh, K Kavanagh, A Casey. Subs: R McCarthy for Tormey (45), L Griffin for I Kavanagh (54).

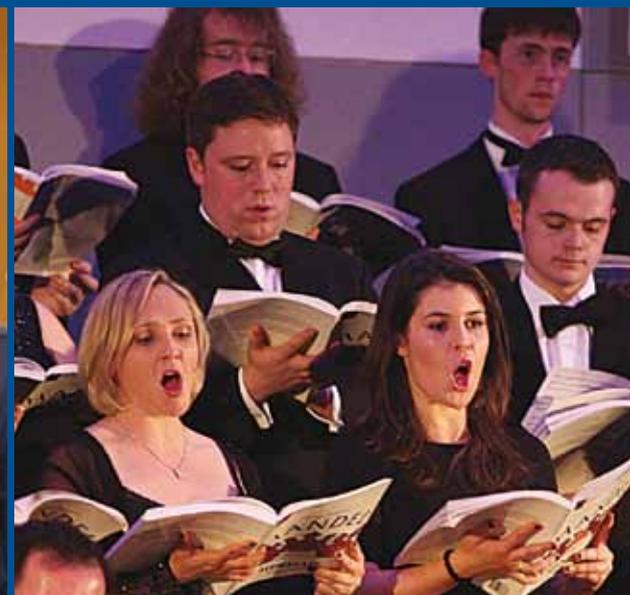
REF – J Fagan (Erin's Isle).



UCD Sailing club secured the UCD/Trinity Sailing Colours trophy for the second year in the annual competition in Dun Laoighre. UCD1 winning team: Aidan McLaverty and Jodie-Jane Tingle, Simon Doran and Christine Lynch, Barry McCartin and Sharon Quigley



UCD AFC's new mascot 'Collee' was one of 400 participants in the 5km campus road race 'Rás UCD'. The race was organised by An Cumann Gaelach, UCD Volunteers Overseas (UCDVO) and the UCD Athletics Club and raised almost €5,000 for the UCDVO. The race was won by runner Emmett Dunleavy, who finished in a time just over 15 minutes. UCD student Robert Corbally finished in very close second place, while his fellow student Laura Ní Sheachnaigh was the fastest female competitor in a time of just over 18 minutes



Celebrating a fantastic 2010/2011 season for the UCD Choral Scholars, some of the ensemble are pictured here with the trophies won at the ESB Feis Ceol in April (the Florence Culwick Memorial Cup and the Corn Hardebec (Irish Language) Cup) and the "An Cór" cup, which the students won in a televised all-Ireland Irish language choir competition. Shown are (back row, l-r): Colm Kenny-Vaughan; Emma Fletcher; Michael Walsh; Niall Stafford; Colm MacAogáin and (front row, l-r): Megan O'Neill; and Danielle Fox

UCD Choral Scholars perform Handel's Messiah. Photo Rock Photography

## Outstanding season for UCD Choral Scholars

The university's student vocal ensemble, the UCD Choral Scholars, ended a successful season with two packed performances of Handel's *Messiah* in UCD O'Reilly Hall and St Ann's Church, Dawson Street in April. Joined by soloists Cara O'Sullivan, Sharon Carty, Eamonn Mulhall and Brendan Collins, the students performed the iconic piece to the accompaniment of the internationally-renowned European Chamber Orchestra.

The performances came shortly after the choir were awarded first place in both their choral competitions at the ESB Feis Ceol in April. In winning the Florence Culwick Memorial Cup, the choir was awarded 94 marks out of 100 for their performances of two Italian madrigals by Claudio Monteverdi and the motet *Quem vidistis pastores?* (1951) by Francis Poulenc. To win the Corn Hardebec (Irish Language) Cup, the students performed an arrangement by artistic director, Desmond Earley, of *Sí do Mhaimeo Í* and T.C. Kelly's *Gáire na mBán*.

The interpretation of *Sí do Mhaimeo Í* also helped the scholars secure "An Cór" the RTÉ One Irish-language choral competition. For the competition, the choir immersed themselves in the culture, language and history of traditional Irish songs, before performing in front of an expert judging panel over the course of four televised shows. Speaking about the "An Cór" win, Desmond Earley said, "We have performed music in many European languages, but it was particularly exciting to work on new arrangements in our own national language. With several native Irish speakers in the Choral Scholars, and a couple studying Irish for their BA, the group had good support when trying to understand the subtleties and nuances of pronunciation and translation."



Pictured celebrating their success at the Irish Student Drama Association (ISDA) Awards were members of the DramSoc student society. The society scooped four top accolades for their production of "A Whistle in the Dark" by playwright Tom Murphy: best production; best director (Eoin Carrick); best actress (Catriona Ennis); and best supporting actor (Sam Mc Govern)



Following a demanding business case-study and presentation to PwC Partners, the UCD "Somnium" team was named winner of the 2011 PwC/AIESEC Business Leadership Tournament. Shown here are (back row, l-r): Karen Kiernan (Tax Director, PwC), Bevan Murray (UCD Commerce student) and (front row, l-r): Richard Whelan (UCD Management Information Systems student); Declan Egan (UCD Commerce student); Vlad Fejer (President, AIESEC Ireland) and Kevin Glynn (UCD Business & Law student). The AIESEC is the international Association Internationale des Étudiants en Sciences Économiques et Commerciales, and develops high-potential youth into globally minded responsible leaders. Enda McDonagh, member of the judging panel and PwC Partner said of the competition, "Supporting leadership in young graduates, many of whom will be our future business leaders, will contribute to the future success of our economy. It is from new ideas, led and developed by young graduates such as these, that future businesses and growth will emerge. PwC is delighted to support AIESEC and their work in developing leadership in Ireland's young talent."



Pictured backstage at the National Concert Hall in April were (l-r): UCD Symphony Orchestra players Victoria O'Gorman (violinist and 2nd year commerce student); and Elaine Corcoran (bassoonist and 1st year maths student). The musicians were part of the 'Oiseaux Fantastiques' performance of ornithologically-themed pieces from Korsakov, Grieg and Tchaikovsky and culminating in Stravinsky's rousing 'L'Oiseau de Feu'. The National Concert Hall performance is a key part of the Symphony Orchestra's annual programme for gifted musical scholars