



FOUNDATION
Newman Fellowship Programme

Newman Fellowship Programme

“It is the education which gives
a man a clear, conscious view of
their own opinions and judgements,
a truth in developing them, an
eloquence in expressing them,
and a force in urging them.”

Cardinal John Henry Newman, *The Idea of a University*



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“It is innovative initiatives such as the Newman Fellowship Programme which are enabling UCD to achieve its ambition to be recognised around the world as an international and intercultural centre of learning and scholarship of the highest standard, benefitting global, national and local communities.”

UCD President, Professor Andrew J. Deeks



The Newman Fellowship Programme

The Newman Fellowship Programme provides philanthropists, business and industry with a valuable opportunity to fund academic research through the establishment of a Newman Fellowship.

The Newman Fellowship Programme, named after UCD's first rector, Cardinal John Henry Newman, was established in 1989 by former UCD President, Dr Patrick Masterson. In a move characteristic of his Presidency, Dr Masterson, a Professor of Philosophy, foresaw this Programme as a means to enhance research activity in UCD. Over 180 Fellowships have been awarded since the Programme's inception, generously supported by leading Irish and multinational corporations, semi-state bodies, voluntary organisations and individuals.

This support enables the delivery of world-class research across a wide spectrum of disciplines, carried out by elite, high-calibre postdoctoral researchers and brings enormous benefit to Ireland and the international community. These Newman Fellows embody the pursuit of excellence and impact in research, scholarship and teaching that is representative of UCD.



Case Study: Arthritis Ireland and Down Syndrome Ireland Newman Fellowship in Down's Arthropathy

Making a positive impact on the lives of sick children and their families



Dr Charlene Foley

Dr Charlene Foley, former Arthritis Ireland and Down Syndrome Ireland Newman Fellow in Down's Arthropathy, was awarded a Newman Fellowship in 2015. Charlene used her Fellowship to highlight the increased risk that children with Down syndrome face in contracting a number of autoimmune diseases, including arthritis, when compared with the general paediatric population. Prior to her research, there was limited literature and a significant paucity of

data available for reference, leading to a general lack of awareness about the risk of this condition. This resulted in delayed diagnosis and unnecessary disability and functional impairment in a group of children already at significant clinical risk.

Mentored by Prof Gerry Wilson and based in the Education and Research Centre in St Vincent's University Hospital, Charlene conducted a ground-breaking study on Down's Arthropathy, the first of its kind worldwide which discovered that one in fifty children with Down syndrome has arthritis, more than twice that previously estimated. These results are helping to improve the provision of care and quality of life for children with Down's Arthropathy. So impactful were the results of this study, it was reported in many national newspapers and radio stations across the country.

Today, Charlene is working as a clinical research fellow funded by the National Children's Research Centre (NCRC). Researchers in the NCRC are working in collaboration with colleagues in Ireland and around the world, as part of an international research effort aimed at the earlier diagnosis and better treatment of serious childhood diseases. She is also working with UCD, the Trinity Biomedical Science Institute, TCD and Our Lady's Children's Hospital, Crumlin.

“Without supports and structures in place to encourage growth, it simply would not be feasible for doctors to engage in research. The Newman Fellowship Programme is a wonderful initiative to support such ventures. To the Newman Fellowship Programme, thank you.”

Dr Charlene Foley

Case Study: Veterinary Council Educational Trust Newman Fellowship in Veterinary Ethics

Paving the way for the study of veterinary ethics in Ireland



President Michael D. Higgins with
Dr Manuel Magalhães Sant'Ana (right)

Dr Manuel Magalhães Sant'Ana

Dr Manuel Magalhães Sant'Ana, former Veterinary Council Educational Trust Newman Fellow in Veterinary Ethics, was awarded a Newman Fellowship in 2014. Mentored by Prof Alison Hanlon and based in the UCD School of Veterinary Medicine, UCD, Manuel's research focused on identifying the ethical issues faced by the veterinary profession in Ireland, UK, Denmark, Portugal and the Federation of Veterinarians of Europe.

During the course of his Fellowship, Manuel developed a practical toolbox to support veterinary decision-making, policy and regulation. The implications of his research were far-reaching and provided a foundation for the study of veterinary ethics in Ireland. His approach provided a roadmap for the Veterinary Council of Ireland and other regulatory authorities on how to engage with the veterinary profession (and other stakeholders) to capture future ethical concerns. This was essential to ensure that governance, such as the Codes of Professional Conduct, was fit for purpose. Furthermore, his research had educational significance, creating a new pedagogic tool for undergraduate training and continuing professional development. Manuel had six peer reviewed publications arising from his research, published in the Irish Veterinary Journal.

Manuel has since been recognized as a European Veterinary Specialist in Animal Welfare Science, Ethics and Law by the European College of Animal Welfare and Behavioural Medicine. According to Manuel, "the Newman Fellowship enabled me to pursue an academic career in the emerging area of veterinary ethics and I was able to network effectively with international researchers with similar research interests. The expertise gained during the Newman Fellowship was crucial for this recognition."

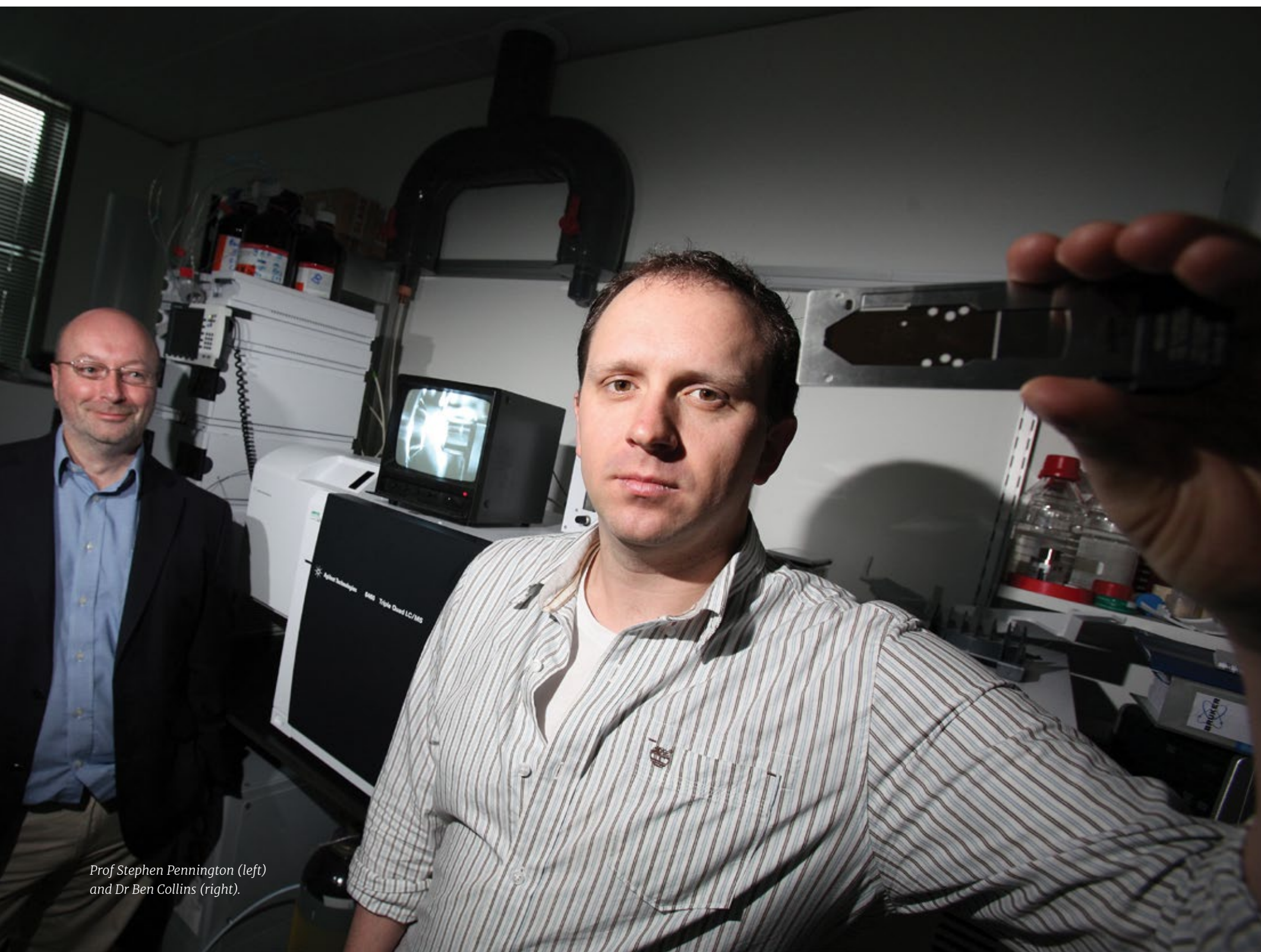
Today, Manuel is a lecturer at the University of Porto and has been awarded funding for five years by the Fundação para a Ciência e a Tecnologia (The Portuguese Foundation for Science and Technology) to support further research in the area of veterinary ethics in Portugal.

"The Newman Fellowship provided essential funding to an under-explored research discipline. This was the first study of veterinary ethics in Ireland and it set a benchmark for other studies by the global veterinary community."

Dr Manuel Magalhães Sant'Ana

Case Study: Agilent Technologies Newman Fellowship in Quantitative Proteomics

Meeting the bio-analytical measurement challenges of tomorrow



Prof Stephen Pennington (left)
and Dr Ben Collins (right).

Dr Ben Collins

Dr Ben Collins, former Agilent Technologies Newman Fellow in Quantitative Proteomics, was awarded a Newman Fellowship in 2009. Mentored by Prof Stephen Pennington and based in the UCD Conway Institute of Biomolecular and Biomedical Research, Ben's research focused on the development and application of analytical methodologies in the areas of discovery and targeted mass spectrometry-based proteomics. His Fellowship explored how these methods could be deployed in a variety of biological applications including preclinical pharmaceutical toxicology, melanoma metastasis and progression and prostate cancer biomarker development.

As a result of his Fellowship, Ben was offered a coveted position at the Institute of Molecular Systems Biology (IMSB) at ETH Zurich as a postdoctoral researcher. His mentor, Prof Stephen Pennington, had no doubt that his ability to secure a position in one of the leading proteomics labs worldwide was enhanced by his receipt of the Agilent Newman Fellowship.

Ben was recently awarded a Swiss National Science Foundation 'Ambizione' award enabling him to start a research group in the IMSB. Now a group leader, Ben is applying methods developed during his Fellowship to relevant problems in host-pathogen biology with a focus on *Mycobacterium tuberculosis*.

According to Ben, "The Fellowship had a substantial impact on my professional development, allowing me to pursue some unfinished research goals from my PhD thesis leading to the publication of several high-quality journal articles. I had the opportunity to be exposed to, and develop a relationship with, Agilent Technologies, who proved to be a very progressive and supportive collaborative partner. I am grateful to UCD and the Newman Fellowship Programme for the opportunity which has undoubtedly had a significant impact on my career development."

"My ability to secure a position in a world-class mass spectrometry group at ETH Zurich was undoubtedly helped by having been part of a prestigious, competitive and named Fellowship programme at UCD."

Dr Ben Collins

Case Study: Vétoquinol Newman Fellowship in Food Safety

Tackling the challenges of antimicrobial resistance



Dr Marta Martins

Dr Marta Martins, former Vétoquinol Newman Fellow in Food Safety was awarded a Newman Fellowship in 2013. Marta's research sought to deepen our knowledge of the mechanisms that contribute to antibiotic resistance in *Escherichia coli*.

Since *E. coli* causing infections are a major veterinary public health challenge, antimicrobial compounds have been an important class of drugs used in treatment. Since their discovery, these drugs have had a major impact on both animal and human health alike. However, their efficacy in improving animal and human health, by eliminating infectious agents, led to the widespread use of these compounds in the treatment of infectious diseases. Such a development has seriously compromised the future efficacy of these drugs, resulting in an urgent need to develop new drugs and therapeutic approaches.

Mentored by Prof Séamus Fanning and based in the School of Public Health, Physiotherapy and Population Science, Marta's research contributed to the understanding of the development of antibiotic resistance in food-producing animals as well as the impact of such resistance in the public setting. The discovery of adjuvant compounds that can be used to reverse antibiotic resistance in bacteria is of great value and an important contribution to the development of new therapeutic approaches that, in future, can be used to treat multi-drug resistant associated infections. The outputs of her research were published in high-profile journals and presented at conferences in Europe.

Today, Marta is an Assistant Professor in Microbiology at the Moyne Institute of Preventive Medicine, Trinity College Dublin, where she continues to develop novel therapeutic approaches to treat multi-drug resistant bacteria associated infections.

“The Programme allowed me to improve my scientific skills, continuing and widening my area of research. Being a Newman Fellow facilitated my collaboration with industry which helped deepen my understanding of antimicrobial resistance and challenges for the food chain.”

Dr Marta Martins

A word from one of our donors

Novartis has been supporting the Newman Fellowship Programme since 2012, initially supporting a Fellowship in Neurology. The success of this Fellowship led to the support in 2016 of another three Fellowships in Neurology, Rheumatology and Dermatology. Novartis's mission is to discover new ways to improve and extend people's lives, using science-based innovation to address some of society's most challenging healthcare issues.



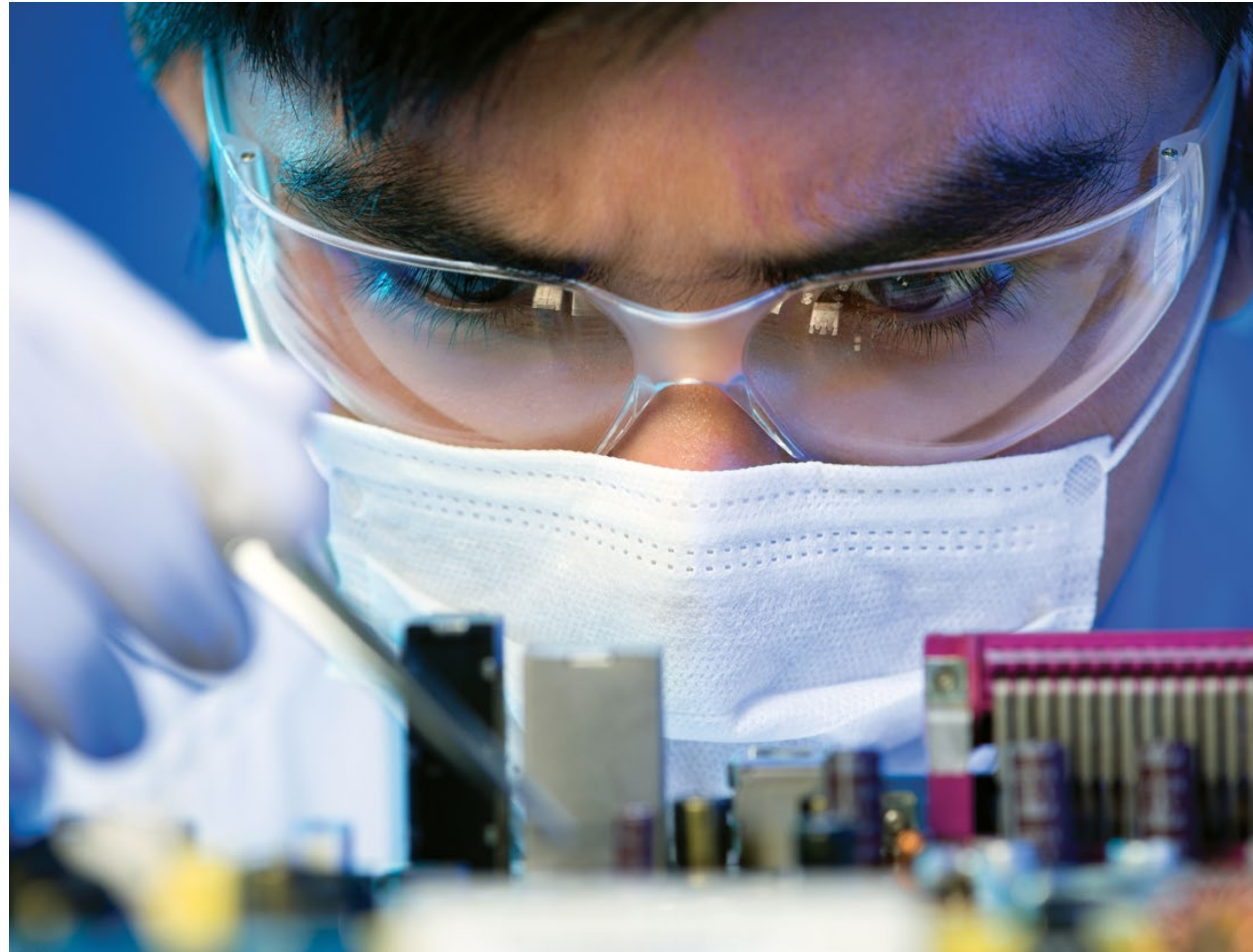
A handwritten signature in black ink, reading 'Loretto Callaghan'.

Loretto Callaghan
Managing Director, Novartis Ireland



“Scientific research is at the core of our company and central to our strategy, so Novartis is delighted to partner with UCD’s Newman Fellowship Programme.”

Loretto Callaghan, Managing Director, Novartis Ireland



Our Donors

The Newman Fellowship Programme is made possible through the enlightened generosity of our donors.

Not-for-Profit

- Arthritis Ireland
- Catechetics Trust
- Centre for Arthritis and Rheumatic Diseases
- Craig Dobbin Endowment Fund
- Down Syndrome Ireland
- George Moore
- The Ireland Funds
- Irish Kidney Association
- Irish Lung Foundation
- John Moore Endowment Fund
- L & B Quinn
- Merrion Neuroscience Foundation
- Professor Morrissey Memorial
- PuncHESTOWN Kidney Research Fund
- The Arts Council
- The Rooney Family
- The H. W. Wilson Foundation
- The Heartbeat Trust
- UCD Medical Graduates Association in North America
- Veterinary Council of Ireland Educational Trust

Agri-Food

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- Coillte
- Danone
- Department of Agriculture, Food and the Marine
- Diageo
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- Heinz
- Irish Grain & Feed Association

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- Origin Enterprises plc
- Safefood
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Health

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- Danske Bank
- Dunnes Stores
- Enterprise Ireland
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- Irish Development Authority
- Irish Music Rights Organisation
- Mercer Ireland
- National Disability Authority
- Ulster Bank
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Engineering, Energy and ICT

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- Materials Ireland
- Pierse Contracting
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“As a leading technology partner to academia, our support of the Newman Fellowship Programme reflects our core belief that investing in the next generation of thought leaders is a crucial part of moving science forward.”

Padraig McDonnell, Executive Vice President and General Manager, Agilent Technologies

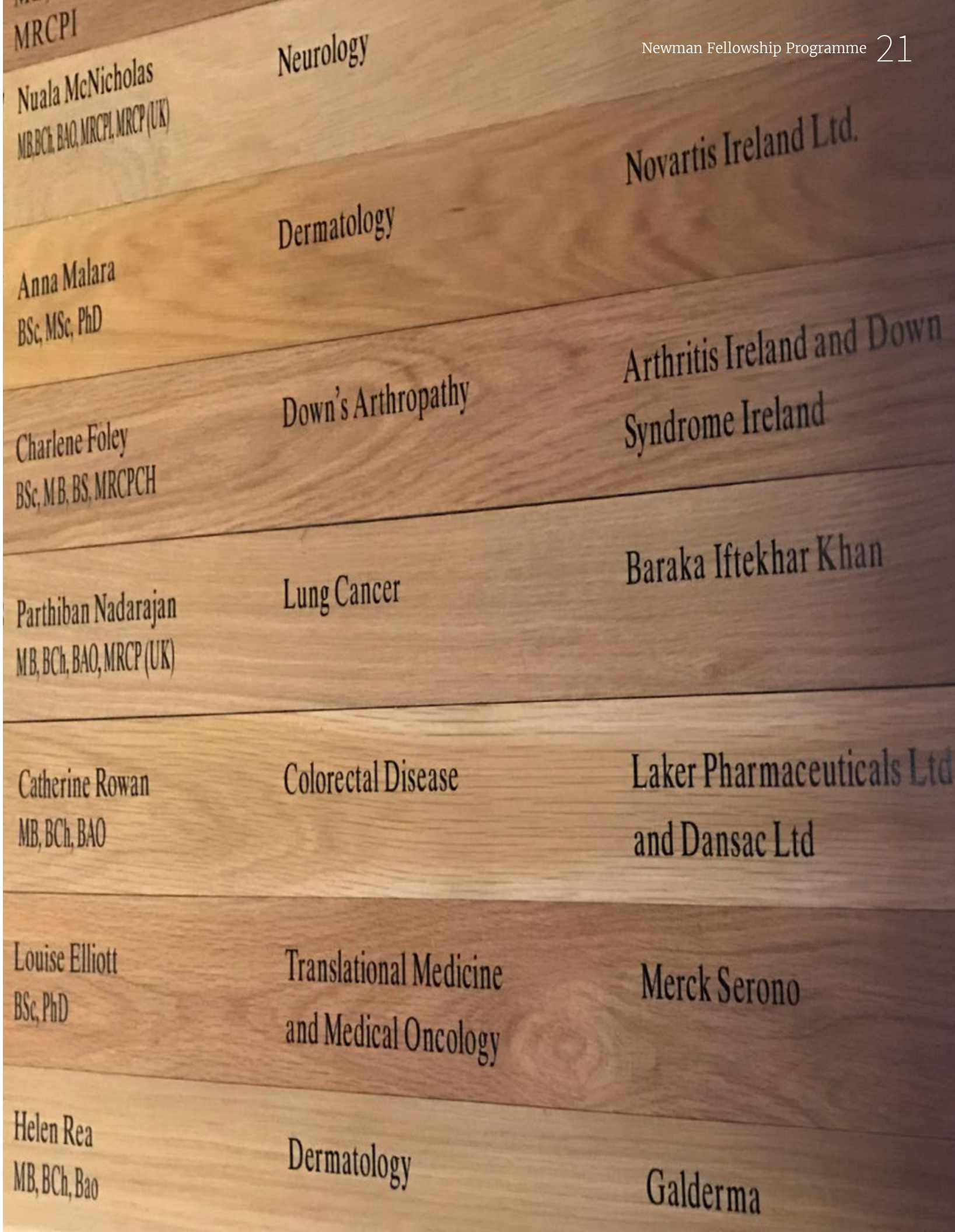


UCD President, Professor Andrew J. Deeks with the 2017 Newman Fellows

Communicating impact and recognising the generosity of our donors

UCD Foundation welcomes the opportunity to report on the many successes of the Newman Fellowship Programme and the impact of its research through a range of internal and external communication channels. In addition, we are proud to share our appreciation for our donors' support in the following ways:

- **Invitation to Newman Fellowship Programme Events**
Each year, donors are invited to a Newman Fellowship Programme dinner. Donors are also invited to talks and presentations given by their Newman Fellow and to prestigious events in the UCD calendar.
- **Inclusion on the Newman Fellowship Donor Board**
The name of each donor is placed on public display on the Newman Fellowship Donor Board in the foyer of the O'Reilly Hall, on the UCD Belfield campus. The O'Reilly Hall is the location used for all UCD graduations and hosts a range of high-profile events throughout the year.
- **UCD Connections Magazine**
With a readership base of over 300,000, the Newman Fellowship Dinner is showcased in the UCD Connections magazine which is published every September and distributed widely within Ireland and abroad.
- **Quarterly Newsletter**
UCD Foundation sends a newsletter every semester to over 500 Newman Fellowship alumni, key influencers and academics.
- **Public Engagement**
Donors, in conjunction with UCD Foundation, can leverage the awarding of the Fellowship, the appointment of a Newman Fellow and the publication of research findings as opportunities to demonstrate the impact of their support in both general and industry specific media.
- **Donor Communication Channels**
UCD Foundation can work with the donor to provide content for communication channels, such as corporate websites and newsletters, to promote their support of the Newman Fellowship Programme.





The Annual Newman Fellowship Dinner

Every year, UCD Foundation hosts a prestigious dinner to welcome our donors, Fellows and academic mentors to celebrate the achievements of our Fellows.

The evening provides an opportunity to acknowledge the generosity and support of our donors, the dedication of our academic mentors and the passion and diligence of our Newman Fellows. It also gives our Fellows a chance to update their donors and colleagues on the developments of their research.

FAQ's

How much does each Newman Fellowship cost?

The cost of a Newman Fellowship is €100,000. The Fellowship can be funded in one or more instalments as agreed between the donor and UCD Foundation. As UCD Foundation is a registered charity, this donation may be eligible for tax relief.

How many Fellowships have been awarded to date?

To date, over 180 Fellowships have been awarded since the programme's inception.

What is the duration of a Newman Fellowship?

Each Fellowship offers financial support for a period of two or three years.

How is the funding broken down?

The Newman Fellow will receive a stipend of €35,000 per annum. The balance of €30,000 is used to cover recruitment, research consumables, travel expenses, PR activities and general administration of the Programme.

Which research areas are funded?

All areas of research are funded under this programme. Collaborative and interdisciplinary research is encouraged.

What is the deadline for applications?

As this is a rolling-call, applications can be submitted throughout the year as funding becomes available.

Who can support a Newman Fellowship?

Irish and multinational corporations, semi-state bodies, voluntary organisations, trusts, foundations and individuals are eligible to support the Newman Fellowship Programme.

What is the eligibility criteria?

Candidate Fellows must hold a doctoral degree, professional qualification or have equivalent research experience to qualify for a postdoctoral Newman Fellowship.

What training and development opportunities are available for Newman Fellows?

UCD provides substantial training and development opportunities for the Fellows during their tenure across four core competency areas:

- Research & Research Management
- Personal & Professional Excellence
- Teaching, Learning & Mentoring
- Innovation & Transferable Skills

What mentorship will be available to Newman Fellows?

All Newman Fellows will work alongside an academic mentor who will support the professional development of each Fellow in their careers and promote excellence in teaching and learning, research and academic leadership.

How are Newman Fellows recruited?

In order to retain the Newman Fellowship brand of excellence, it is important for UCD to attract the highest calibre of applicants possible for each new Fellowship. Overseen by the Dean of Graduate Studies, a recruitment plan is implemented for each Fellowship, tailored to the relevant discipline. This may include the use of national and international academic recruitment platforms to attract a strong pool of candidates. Existing academic networks are also engaged to ensure the greatest reach within a particular discipline. Academic mentors will also ensure the maximum level of exposure for each Fellowship within the target community. Interviews for short-listed candidates will be held before a formal letter of offer is issued by UCD Graduate Studies.

Terms and Conditions

Under the terms of the Taxes Consolidation Act 1997 each donation must satisfy the following conditions in order to secure tax relief:

- The donation must be for the purposes of education or research carried out by University College Dublin;
- The donation must not be repayable;
- The donation must not confer any benefit on the donor or any person connected with the donor; including employment, intellectual property, or other rights or obligations with respect to University College Dublin;
- The donation must not be conditional on, or associated with, any arrangement involving the acquisition of property by UCD Foundation.

Newman Fellows are exempt from tax provided that the following conditions are satisfied:

- The Fellow is registered and in receipt of full-time instruction in University College Dublin;
- The objective of the Fellowship is the promotion of the Fellow's education and not the promotion of the research through the Fellow;
- There is no element of service (directly or indirectly) between the donor and Fellow;
- The Fellowship does not arise out of employment (directly or indirectly) with the donor;
- The Fellow is not connected directly or indirectly with the donor as an employee, a director or a member of the household of a director.

All donations are accepted by UCD Foundation on the basis that the funds will only be used for the purposes stated and in full compliance with the highest ethical standards and all applicable laws, rules and regulations. The acceptance of these donations does not create or imply any partnership or joint venture between either UCD Foundation or University College Dublin and the donor, or the relationship of principal and agent between them.

About UCD Foundation

Founded in 1997, University College Dublin Foundation CLG (UCD Foundation) is a registered charity and a company limited by guarantee registered in Dublin, Ireland. The main objective of UCD Foundation is to engage in fundraising activities for the purposes of the furtherance of education and research carried out by University College Dublin.

UCD Foundation is governed by an independent non-executive Board of Directors. The Directors represent a diverse range of relevant expertise and do not receive any remuneration or reimbursement of expenses from UCD Foundation. The Board meets four times each year and is responsible for providing leadership to the business of the organisation and for ensuring control.

Accountability and transparency are vitally important in everything that UCD Foundation does. Our financial accounts are prepared in accordance with the requirements of the Companies Act 2014 and the provisions of the Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the financial reporting standard applicable in the Republic of Ireland (FRS 102). The Charities SORP (FRS 102) is not yet mandatory in the Republic of Ireland and the Irish Charities Regulation has not yet prescribed

accounting regulations for Irish Charities. In the absence of such prescriptive guidance the Board of Directors has adopted the Charities SORP (FRS 102) as it is considered best practice.

Our annual reports are filed with the Companies Registration Office and are also available on our website. When the work of the Charity Regulatory Authority and Register of Charities under the phased implementation of the Charities Act, 2009 is complete, UCD Foundation will ensure full compliance with all requirements.

UCD Foundation CLG is a registered charity – CHY12448. UCD Foundation CLG is company limited by guarantee - No. 266667.

To learn more about UCD Foundation, please visit www.ucdfoundation.ie

University College Dublin

University College Dublin is Ireland's Global University

Founded over one hundred and sixty years ago, UCD is one of Europe's leading research-intensive universities; an environment where undergraduate education, masters and PhD training, research, innovation and community engagement form a dynamic spectrum of activity.

The international standing of UCD has grown in recent years; it is currently ranked within the top 1% of higher education institutions world-wide. UCD is also Ireland's most globally engaged university with over 30,000 students drawn from over 138 countries, and includes 5,500 students based at locations outside of Ireland. The University's main Dublin campus occupies an extensive parkland estate of more than 130 hectares and offers world-leading facilities including the UCD O'Brien Centre for Science, UCD Sutherland School of Law, UCD Lochlann Quinn School of Business, UCD Michael Smurfit Graduate Business School and UCD Student Centre.

A University of Scale and Impact

As Ireland's largest university, with its great strength and diversity of disciplines, UCD embraces its role to contribute to the flourishing of Ireland, Europe and the wider world; through the study and discussion of people, society, business, economy, culture, languages and the creative arts, as well as through research and innovation. The University's Strategy 2015-2020 outlines the objectives and major strategic initiatives set in place in order to accomplish UCD's mission and vision for this era.

To learn more about UCD, please visit www.ucd.ie



John Henry Newman

True Enlargement of Mind

Our Founding Rector, John Henry Newman, came to Ireland in the 1850s with a vision for higher education, a vision he outlined in his book, *The Idea of a University*, a vision that still informs the mission of University College Dublin today.

This vision was for education in the fullest sense, the formation of the whole person, not just intellectual training, but developing moral wisdom and the skills and virtues needed to live a fulfilling, good and flourishing life, a life lived for others. “True enlargement of mind” is, according to Newman, beyond the acquirement of knowledge.

As he wrote: “It is the education which gives a man a clear conscious view of his own opinions and judgments, a truth in developing them, an eloquence in expressing them, and a force in urging them. It teaches him to see things as they are, to go right to the point, to disentangle a skein of thought, to detect

what is sophistical, and to discard what is irrelevant.” He saw the university primarily as a “seat of wisdom, a light of the world, a minister of the faith, an alma mater of the rising generation”. He saw the university graduate as one who was open to all things: the student will have a “faculty for entering with comparative ease into any subject of thought, and of taking up with aptitude any science or profession”. “True enlargement of mind... thus is that form of Universal Knowledge... set up in the individual intellect, and constitutes perfection”. Newman wanted the university to preserve and hand on the wisdom of past generations but also to be open to the future, to the advances in science, to

modernity. He had a vision of students learning to be citizens of the world. He wanted to expose young minds to the liberal arts, to the sciences, and encouraged them to see the connections between things.

Above all, he wanted to set their hearts on fire. Cor ad cor loquitur – heart speaks to heart – was his motto.

Written by Professor Dermot Moran – Newman Fellowship Programme Mentor, UCD School of Philosophy and Director of UCD International Centre for Newman Studies.

Painting of Cardinal John Henry Newman by Sir John Everett Millais, 1881

How can I get involved?

If you would like to discuss opportunities for establishing a Newman Fellowship in any of the academic disciplines supported by UCD, please contact Órfhlaith Ford.

E: orfhlaith.ford@ucdfoundation.ie

T: +353 (0)1 716 1287

Additional information is available at:
www.ucdfoundation.ie/newman-fellowship



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