



Issue 32 | April 2019

CoMH eNEWS

College of Medicine and Health, UCC



University College Cork, Ireland
Coláiste na hOllscoile Corcaigh

Navigate stories

Welcome to our latest
CoMH online newsletter

Congratulations to our most
recent CoMH graduates

Innovative Mental Health
Services app launched

UCC MedSoc hosts its
annual Teddy Bear Hospital

INFANT Research Centre
team travel to Tanzania

Professor Dinan wins Most
Influential Review Article

Launch of MSc Diagnostic
Radiography programme

Other news

CoMH eNews is intended for circulation among staff and students of the College of Medicine and Health, UCC. Extracts from CoMH eNews should not be published without the permission of the editor.



Spring Conferrings



Launch



Events



Outreach



Awards



Radiography





Dear Colleagues,

The recent sunshine and the daffodils breaking ground create a wonderful spring atmosphere, while Campus is getting busy with students preparing for exams. In true spring spirit, we started 2019 full of energy and with a wide range of activities:

A small group of the college's leadership is meeting with our colleagues of the SSWHG in counties Cork, Tipperary, Kerry and Waterford. Our current strategy development is an opportunity for us to intensify the relationships between Campus and hospitals, continuously improving the education of our students.

Many thanks to all that took part in the second online strategy workshop. You shared great ideas and gave

constructive feedback on our draft results from the first workshop. We are currently analysing the results and will be able to share them in our next newsletter.

Feedback during the workshops showed a need for improved research support, especially in the early stages, and a desire to improve interdisciplinary collaboration. I believe that the new CISA (CoMH Interdisciplinary Seed Awards) can help explore new research avenues and I look forward to the grant applications and projects it will enable.

I am aware of the challenges of interdisciplinary and international research, but also experienced the satisfaction it can yield first hand: Most recently, the ADVOCATE (Added Value for Oral Health) research project hosted experts in oral health prevention from six European countries on UCC's campus. For the past four year's I had the honour of being the coordinating principal investigator and I am very grateful for all the support in the college and the Oral Health Research Centre that made the project and our conference a huge success. Our results indicate ways to strengthen prevention over treatment of oral diseases and, if implemented properly, can have a positive impact on the quality of life of European citizens and beyond.

I congratulate Johnny Goodwin and John Cummins on the launch of

the OPPO mental health app. Their work is an excellent example of collaboration with the HSE and the impact we can achieve to improve life in our community. I wish them success and hope, that OPPO will help many people navigating the mental health landscape.

Professor Jeanne Jackson and Professor Adrian Dixon launched the new MSc in Radiography programme in April. It is great to see all the hard work of developing new and innovative programmes to fruition.

Finally, I want to say special thanks to Professor Jonathan Drennon for holding the first lecture in our new Inaugural Lecture Series for Professorial Staff, which highlights the excellent team we have the pleasure of working with in the College of Medicine and Health.

I wish our students success in their studies and thank our staff that teaches, supports, and enables them.

Professor Helen Whelton

Head of College of Medicine and Health University College Cork



1



2



3



4



5

Spring Conferrings

22nd February 2019

Congratulations to our most recent graduates from the College of Medicine and Health who graduated at UCC's Spring Conferrings!

Photo 1: Una Cahill, MSc in Midwifery with her daughters Beatrice, Mollie and Dorothy.
(Photo by Ger McCarthy)

Photo 2: MPH Masters in Public Health graduates Tess Jones, Charlotte Griffin, Eunice Phillip, Mekha Mathew, and Carrie O'Brien.
(Photo by Ger McCarthy)

Photo 3: Finbarr O'Brien MSc in Occupational Health, pictured with Colm O'Brien.
(Photo by Ger McCarthy)

Photo 4: Dr Jahangir Sajjad (centre) who was conferred with a PhD in Neuroscience, pictured with Dr Siobhain O'Mahony, and Professor John Cryan.

Photo 5: MSc in Pharmaceutical Technology and Quality Systems graduates Jamine Dos Anjos Lage, Kieran D'Arcy, Dr Brendan Griffin (Course Director), Catherine Weldon, Eimear O'Donovan, Orla O'Connell.



The ADVOCATE [Added Value for Oral Care] Conference on 25th and 26th March 2019 brought European researchers, policy-makers and dentists to UCC to discuss best practises to enhance disease prevention in dentistry and increase quality of life. MEP Deirdre Clune launched the project findings with UCC President Patrick O'Shea and Minister of State for Mental Health and Older People, Jim Daly.

Dental decay and gum disease are amongst the most common diseases globally, but could be prevented.

Professor Helen Whelton initiated the ADVOCATE research project with 11 partners from prestigious universities, health insurers, and other public and private sector institutions across eight European countries in 2015 to analyse best practices and optimise delivery of oral health and wellbeing in the EU.

ADVOCATE uses multiple approaches for improvement of oral health care delivery, including methods to motivate a greater focus on disease prevention in dental practice. ADVOCATE looked at

ADVOCATE Conference

system changes which might incentivise prevention (extrinsic motivation) and the use of feedback mechanisms and quality improvement groups (intrinsic motivation) to help dentists shift towards more preventive practice. The lessons learned are also applicable to general health promotion.

The project additionally highlights the potential for politicians and policy makers to provide the right incentives, mechanism and environments to support prevention.

The Conference closed with guest speakers Professor Nigel Pitts, Global Chair for the Alliance for a Cavity Free Future and Professor David Williams, Vice Chair World Dental Federation, emphasising further opportunities of collaboration to promote oral health prevention globally.

For more information on ADVOCATE, please visit www.advocateoralhealth.com

Pictured above: ADVOCATE contributors met for the Annual General Meeting and Conference in March 2019.

Launch of MSc Diagnostic Radiography



Pictured above (l-r): Professor Patrick O'Shea, President UCC; Professor Helen Whelton, Head of College of Medicine & Health; Dr Gerard O'Callaghan, COO SSWHG HSE; and Professor of Radiology, Professor Michael Maher. Photo by Ger McCarthy

The highly anticipated MSc Diagnostic Radiography programme was recently launched in Brookfield, UCC.

This 2 year full-time taught clinical Masters commenced in September 2018 within the School of Clinical Therapies and has an intake of 15 students. The development of this programme has been driven by a regional and national shortage of Radiographers both in the public and private sector.

The South/South West Hospital Group (SSWHG) has acknowledged the difficulty in resourcing qualified radiographers in this region and fully supports the development of an MSc Radiography programme in UCC as a means to strategically address this ongoing challenge to the delivery of radiography services in Ireland. It has committed to sponsoring 15 radiography students for each of the 2 years of the programme (Programme 2018 - 2020) with a further commitment to issuing each graduate student with a 2 year graduate contract to work with the HSE SSWHG post-graduation. This model of partnership will ensure a joined-up approach in the development of the proposed programme and a further embedding of the academic and healthcare partnership of UCC and the HSE SSWHG. It is intended that the programme will be accredited by CORU, the Ireland's multi profession Health Regulator and work is underway in this regard. Recruitment is already underway for the 2019/2021 student intake. This programme has come to fruition with the wonderful support of the HSE and sponsors Affidea, Alliance Medical, Bayer, GE and Synapse.

Find out more about the MSc in Diagnostic Radiography here: www.ucc.ie/en/ckx26/



INFANT team visit Tanzania

Pictured left (l-r): Mike Cunneen INFANT Software Developer; Dr Mairead O’Riordan, INFANT Associate Investigator; Dr Deirdre Murray, INFANT Principal Investigator; Dr Aisa Sahyo, Paediatrician at KCMC; Dr Ronald Mbwasi, Head of Paediatrics Department KCMC; Dr Eoghan McKernan, INFANT EU Programme Manager; Marie Watson, Head Nurse at CUH Children’s Unit; and Professor Blandina Mmbaga, KCRI Director.

A team from the INFANT Research Centre recently travelled to Kilimanjaro Clinical Research Institute in Moshi, Northern Tanzania. The INFANT Centre’s Global Health Program is committed to translating the centre’s innovations into affordable, accessible interventions in countries where the clinical need is greatest and will have the highest impact.

In 2016, INFANT signed a Memorandum of Understanding with the Kilimanjaro Clinical Research Institute (KCRI), the Kilimanjaro Christian Medical Centre (KCMC), and the Kilimanjaro Christian Medical University College (KCMUC) which established a collaborative research partnership in a number of scientific and clinical areas.

This partnership is currently working on a project to enhance the KCMC birth registry. Birth registry data is a vital source of information for healthcare providers, funders and policy makers as it contains data on maternal and infant outcomes from each baby born every year. INFANT engineers and software developers initiated and developed this project to enhance the KCMC Medical Birth Registry, making this hugely valuable data accessible to researchers beyond KCMC and INFANT. INFANT have piloted the new high quality, cloud based birth registry which provides essential training to staff and implement improvements to the system based on local feedback at KCMC.

The week-long visit included a number of

meetings with research and clinical colleagues, tours of the Maternity Ward and Birth Registry Offices, a visit to a regional community health centre, discussions on collaborative funding opportunities and the initiation of a postgraduate student exchange programme.

Speaking about the trip, Professor Helen Whelton, Head of the College of Medicine and Health, commented; “The partnership to date has been a huge success and we look forward to strengthening our relationship with KCMC in the coming years. International engagement is a priority for UCC and partnerships like these enhance our mission of creating, understanding and sharing knowledge and applying it for the good of all.”

OPPO Mental Health App Launch

Pictured right (l-r): Mr John Cummins, Professor Josephine Hegarty, Mr Jim Daly TD, Professor Helen Whelton and Mr Johnny Cummins at the launch of the OPPO app.
Photo by Ger McCarthy



A new innovative app has been launched by Jim Daly T.D., Minister of State for Mental Health and Older People at the School of Nursing and Midwifery in UCC. The app was developed by Johnny Goodwin, Mental Health Undergraduate Programme Lead, School of Nursing and Midwifery and John Cummins, Clinical Nurse Manager, in collaboration with UCC and with the guidance of people using mental health services in Cork.

OPPO (which means companion or friend) is funded by Cork Kerry Community Healthcare mental health services, and is aimed at people using mental health services in the North Lee area. OPPO is believed to be the first mental health app designed which is

based on the recommendations of people actually using mental health services. The development of OPPO was informed by a study Mr Goodwin conducted which showed that many mental health apps have limited inclusion of those using services. Interviews with people using North Lee Mental Health services were carried out as part of the process of developing the app.

The app has four main functions:

- Providing maps to services in the North Lee area.
- Providing well-being tracker with which users can describe their recovery on a diary, using a rating scale, colour or photos.
- Linking to a user's calendar and providing reminders of appointments.

- Providing guided meditation options.

Speaking at the launch, Head of Mental Health Services with Cork Kerry Community Healthcare Sinead Glennon paid tribute to Johnny Goodwin and John Cummins for the inclusive way they developed the app. "In Mental Health Services, we continually strive to keep the person at the heart of everything we do. Not only has this app has been developed in the spirit of person-centredness, but it also enables people using our services to be empowered and informed," Ms Glennon said.

OPPO can be downloaded for iPhone (search app store for "OPPO UCC") and Android: <https://oppo.irish/download/>



Pictured above (l-r): Professor Cora O'Neill, Dr Yvonne Nolan and Dr Stefanie Grabrucker. Photo by Bereniece Riedewald

Dr Yvonne Nolan leads European project on Alzheimer's disease, Neuroinflammation and Gut Microbes

Congratulations to Dr Yvonne Nolan, Department of Anatomy and Neuroscience who was awarded >€600K to lead a European consortium project on Alzheimer's disease, Neuroinflammation and Gut Microbes under the Centres of Excellence in Neurodegeneration (CoEN) programme.

Together with collaborator Professor Cora O'Neill, postdoctoral fellow, Dr Stefanie Grabrucker, and partners in the UK, Italy and Professor John Cryan and his team in APC Microbiome Ireland, Dr Nolan will investigate how an inflammatory serum signature coupled with an altered gut microbiota in Alzheimer's disease patients may be potentially used as a biomarker to classify disease stage and prognosis. It may thus lead to future individualised therapeutic intervention for Alzheimer's, which is the leading cause of age-related dementia worldwide.

The overall aim of the CoEN initiative is to build excellence in collaborative research in neurodegeneration research across Europe. Dr Nolan is delighted to embark on this exciting research partnership and is looking forward to strengthening collaborations with colleagues in the UK, Italy as well as here in UCC.

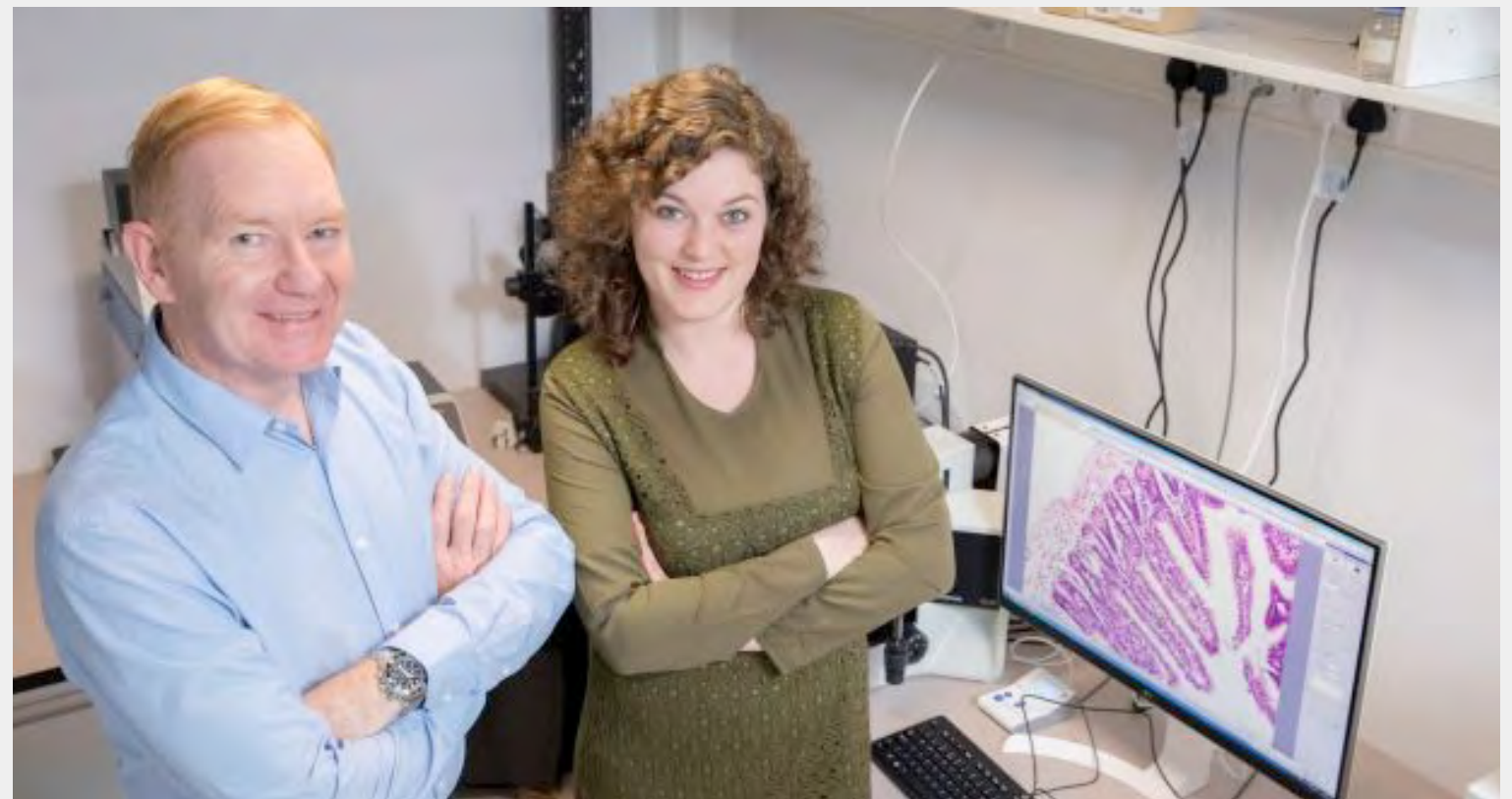
New research published by Dr Cormac Gahan and Vanessa Las Heras of the School of Pharmacy, School of Microbiology and the APC Microbiome Institute, have shown for the first time that a high fat “western” diet reduces the efficiency of the immune system to fight infectious disease particularly in the gut, and to infection with the foodborne pathogen, *listeria monocytogenes*.

Increased human consumption of a ‘westernized’ diet has been linked to the dramatic rise in conditions such as obesity and type 2 diabetes, and research has demonstrated the direct effects of dietary fats upon both the immune system and the gut microbiota.

“Our results suggest that diet may be a significant influencer of resistance to infectious disease through effects on the gut microbiota and immune system. This has important implications for human health, especially during pregnancy, in old age and in immunocompromised individuals. It also has more general implications for research on infectious disease” said Dr Gahan.

This research was funded through an EU Horizon 2020 Innovative Training Network grant and by Science Foundation Ireland through a Research Centre grant to APC Microbiome Ireland.

High fat diet increases risk of food poisoning





Far left: Benoit Labonne who achieved the highest aggregate score in Graduate Entry BDS year 2.

Centre: Arletta Joanna Iwan who achieved the highest aggregate score in the BSC Nursing Intellectual Disability Year 1.

Left: Sumitha Grace Pandiaraja who achieved the highest aggregate score in year 3 Medicine.

Photos by Donagh Glavin

Quercus Undergraduate College Scholarships

The annual Quercus Undergraduate College Scholarship ceremony took place before Christmas in the Brookfield Health Sciences Complex. The Scholarships were awarded to students with the highest aggregate score (an overall grade of First Class Honours) in each undergraduate degree programme within the College. Congratulations to all the recipients!



TEDDY BEAR HOSPITAL

UCC MedSoc hosted its annual Teddy Bear Hospital in the Devere Hall, UCC, over two days on the 26th and 27th February. Over 800 children from around Cork attended this year's event to get some medical attention for their sick teddies.



Doctor for a day at the School of Medicine



Pictured above: Transition year student Koyin Afolabi from Middleton who participated in this year's Doctor for a Day 'Prep-for-Med' programme. Photo by Darragh Kane

Transition Year secondary school students from across Ireland recently attended the School of Medicine's 'Prep-for-Med' day, a programme which allows them to learn first-hand how medical skills are taught and delivered. This hugely popular programme allows young people to experience both the life and the facilities available to medical students' in UCC's School of Medicine.

The transition year students visited the Brookfield Health Sciences Complex and the FLAME Anatomy laboratory, where they experienced multiple teaching stations covering areas such as resuscitation, laboratory testing and anaphylaxis. The afternoon brought the group to Cork University Hospital where they were hosted by Professor Mark Corrigan, Clinical Professor in Surgery. Dr Jason Van der Velde, Emergency Medicine doctor with the Cork University Hospital and the West Cork Rapid Response Unit, gave a presentation on Emergency Medicine followed by Dr Margot Bolster, Deputy State Pathologist who discussed the forensic examination of a crime scene, and most unforgettably for past participants, Professor John Higgins, Head of the Department of Obstetrics and Gynaecology performed a live Caesarean Section, which was broadcast from the operating theatre at CUMH.

Professor Paula O'Leary, Dean of UCC's School of Medicine commented that, "Prep-for-Med' allows students from across Ireland to understand how we train our future Doctors and Clinicians and how they can aspire to a career in Medicine. UCC has led the way in developing this innovative program which showcases life in Medicine to secondary school students, and I am looking forward to seeing some of our visitors return to UCC's School of Medicine in the years ahead."

Inter-professional Education: Dentistry and Pharmacy

The Dental School and the School of Pharmacy recently hosted a joint Continuing Education day, where almost 100 Dentists and Pharmacists attended Cork University Hospital for a morning of lectures covering topics such as Antimicrobial Stewardship, Dental Emergencies in the Pharmacy, and Oral Healthcare for the Cancer Patient. Thirty-five participants attended afternoon workshops held in the Dental School and Hospital on Making Every Contact Count and GDPR and Medicines Authentication.

This inter-professional education day was organised by Dr Martina Hayes from the Dental School and Dr Aoife Fleming from the School of Pharmacy and was sponsored by the Dental Health Foundation, DeCare Dental, Pamex, Johnson & Johnson and Clonmel Healthcare.

For undergraduate students, Dr Cristiane Da Mata, Lecturer in Restorative Dentistry, and Dr Aoife Fleming, Lecturer in Clinical Pharmacology, co-ordinated a new initiative to promote inter-professional learning for Dental and Pharmacy students.

Over two days in January, Dental and Pharmacy undergrads gathered at a workshop to work through clinical scenarios and to better understand the role of their respective professions in the holistic management of patients.

Dr Da Mata and Dr Fleming plan to continue to build on this collaboration between the two Schools in the coming years for the benefit of all students.



Above: Dental and Pharmacy students at the inter-professional workshop in CUH.



Dr Christie Godsmark

School of Public Health: Building Environmental Health Capacity at the Local Level

Global anthropogenic climate change adversely impacts on the health of all and the School of Public Health is delighted to welcome Dr Christie Godsmark as a Lecturer whose research has focused on assisting sub-national governments in preparing climate change adaptation strategies designed specifically with health in mind. Through the lens of a “health and climate change in all policies” approach, further work with local and national government is desperately needed in Ireland to mitigate climate-related health risks and adapt to projected health outcomes, particularly for the vulnerable. Christie lectures primarily on the MSc in Occupational Health programme and is developing an environmental health module for the MSc and Master of Public Health programmes to develop capacity in this area for Ireland.



Dr Abina Crean

Senior Lecturer in Pharmaceutics – School of Pharmacy

Dr Abina Crean has been actively involved in teaching, research and administration in the School of Pharmacy, University College Cork (UCC), since joining as its staff in 2003. Dr Crean graduated with a degree in Pharmacy from Robert Gordon’s University, Aberdeen, Scotland and completed her PhD in Pharmaceutics at the School of Pharmacy and Pharmaceutical Sciences, Trinity College Dublin. Prior to joining UCC, Dr Crean was employed as an industrial Pharmacist at Elan Pharmaceutical Technologies and Servier (Ireland) Industries.

Dr Crean is chair of the School’s Teaching and Curriculum and heads up an active research group in the area of pharmaceutical technology. She has supervised 10 PhD students to completion and has published paper and patents in this subject area. She is the Chair of the Schools Equality Diversity and Inclusion committee, and recently led the School to achieving its Bronze Athena Swan award.



Professor Dinan wins Most Influential Review Article

Professor Ted Dinan, Professor of Psychiatry and a Principal Investigator in APC Microbiome Institute, has been named the winner of the 2018 Neuropsychopharmacology Editors Award for Reviews (also known as the NEAR) by The American College of Neuropsychopharmacology. This award recognises and honors the top review paper published in Neuropsychopharmacology in the year previous which Professor Dinan has received for his review titled; 'Microbes, Immunity, and Behavior: Psychoneuroimmunology Meets the Microbiome'. This article outlines new insights on the relationship between the microbiome and behaviour, which is a cutting-edge area of psychiatry research. This emerging field is identifying previously unsuspected links between the microbes in the gut and complex behaviour of their hosts, influencing mood regulation. These findings could ultimately lead to entirely new classes of medications for the treatment of aspects of neuropsychiatric disorders. It also eloquently teaches important concepts in an accessible way.

Summer Undergraduate Research Experience (SURE) Awards 2019

The College of Medicine and Health invites applications for Summer Undergraduate Research Awards (SURE) from undergraduate students in health-related disciplines in UCC to support their participation in research during summer 2019. The purpose of these awards is to foster an interest in research and to give the student an opportunity to become familiar with research techniques.

For further details on how to apply, visit:

www.ucc.ie/en/medical/research/committee/fundingsources/summerundergraduateresearchexperiencesure/



New Horizons 2018



Above: Barbara Mazario (right), Winner of Best Elevator Pitch.

'New Horizons in Medical Research', a scientific conference organised by the School of Medicine's Research and Postgraduate Affairs Committee took place before Christmas. The conference showcased the diverse range of clinical and translational medical research projects completed across the School of Medicine. This year was another huge success. Congratulations to all the prize winners!

Best Oral Abstract

Paul MacDaragh Ryan

Gut Bugs and Antidiabetic Drugs: Metformin and DPP-4-inhibitor Differentially Manipulate the Gut Microbiome and Serum Metabolome of Metabolically Dysfunctional Mice.

Best Elevator Pitch

Barbara Marzario

An Epidemiological Study of Invasive Cutaneous Malignant Melanoma in an Irish Cohort.

Best Poster

Maedhbh MacSweeney

The Development of Key Performance Indicators using the Delphi Technique for a Regional Lymphoedema Service in Ireland.

Best Poster (Highly Commended)

Aoife O'Brien-Horgan

Incidents and Risk Factors of Chronic Post-Total Knee Arthroplasty Pain in an Irish Population.

Best Poster (Highly Commended)

Michael B. Vaughan

Calciumopathy in dentate gyrus neurons of acute, ex vivo brain slices of a mouse model of Alzheimer's disease.



Medicine through the Arts Exhibition

UCC MedSoc teamed up with the Glucksman to deliver an exhibition titled 'Medicine Through the Arts', which showcased the work of UCC medical staff and students and revealed their creative talents. The exhibition was a huge success, with over 30 submissions highlighting where inspiration can be found.

Photos by David O'Keeffe





An Interview with...

Elaine Kearney, Speech and Language Therapy Graduate

Dr Alice Lee, Lecturer in the Department of Speech and Hearing Sciences, UCC, recently presented at the American Speech-Language-Hearing Association (ASHA) Convention in Boston. Here, she met up with Elaine Kearney, who is a graduate of the Speech and Language Therapy programme at UCC.

Hello Dr Kearney! It is so good to see you again at ASHA! I know that you're now working as a postdoc at Boston University. So, tell me what kind of research are you doing at the moment?

My current research investigates the sensorimotor control of speech in acquired motor speech disorders, particularly in those diagnosed with Parkinson's disease (PD). Using both behavioural and functional brain imaging techniques, we can get a better understanding of how the disease results in changes to functional speech outcomes, such as speech intelligibility. In the future, the results of this investigation may better guide targets for speech therapy in this population.

You did your PhD study in the Department of Speech-Language Pathology in University of Toronto. What was your project about?

During my PhD, I also worked with individuals with PD. First, I characterised the speech movement disorder by analysing movements of the tongue and jaw during speech, as compared to age-matched controls. Then, I developed and tested a novel speech therapy program using augmented visual feedback, where the participants were able to see how their tongue moved while talking.

Was the university life or learning experience in U of T very different from that in UCC?

University life was very different in Toronto. I think the main reason was that it felt more like a job than doing an undergraduate program. Most of my time was spent in the lab, working with participants, meeting collaborators, and teaching classes.

Do you have any advice or tips for current SLT students who plan to pursue a postgraduate research degree?

There are lots of ways to get involved and most researchers are delighted to have interested students contact them, so don't be afraid to reach out! It's great to get some experience to help you decide what topic area you would like to pursue and if the research path is right for you.

What is your plan for your career?

The next step for me will be to apply for lecturer/faculty positions. I would love to be based at a university/research institute where there is an opportunity to continue my research program and also to mentor the next generation of SLTs and speech scientists.



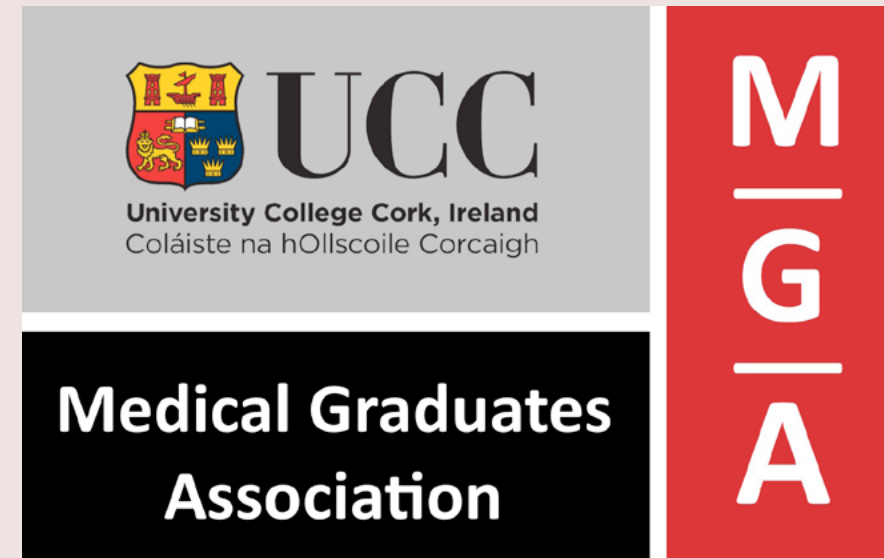
Pictured (l-r):
Susan Traynor,
Dr Martin
Fleming, Dr
Gillian Gibson.

MGA Conference and Dinner 2019

The Medical Graduates Association Scientific Conference and Dinner will take place this year on Saturday, 16th November 2019. The class of 1974 will be celebrating their 45th anniversary of graduation in association with the conference and dinner on 16th November. Any class members from the 1974 graduation year who are interested in participating in the reunion are asked to contact mga@ucc.ie referencing their email with '45th Anniversary of Graduation'.

MGA Conference and Dinner 2018

The MGA Scientific Conference and Dinner took place on 3rd November 2018 in the Brookfield Health Sciences Complex. We were most grateful to have Professor Paula O'Leary, Dean of the School of Medicine open the meeting and summarise some of the important developments in the medical school. With sincere thanks also to Professor Helen Whelton who delivered the closing address at the conference. We would also like to sincerely thank the chairpersons - Dr Marie Murphy, Dr Brian Bird and Dr Tom Dennehy.



Speakers on the day included:

Professor Brendan Kinsley (1983)

'Diabetes and pregnancy - a growing business'

Dr Aoife Lowney (2008)

'Proactive palliative medicine'

Dr Conor Deasy (2000)

'The evolution of a trauma system for Ireland'

Dr Billy O'Connor (1988)

'The changing face of skin cancer therapy'

Dr Grainne Murphy (2003)

'Lupus - the wolf at the door'

Dr Cian Gallagher (2018)

'Maternal Alcohol consumption during Pregnancy and the risk of Autism Spectrum Disorders in the Offspring'

Mr Adrian O'Sullivan (1997)

'Multi-modality management of pancreatic cancer'

Dr Louise Gibson (1993)

'Teaching and learning in the community'

Dr John Loughane (1980)

'Reflections on lifelong learning in medicine'



CANVAS

Canvas will replace Blackboard as UCC’s Virtual Learning Environment (VLE) in the 2019/20 Academic Year. This exciting new platform offers significant advantages over our current Blackboard environment. Not only will it have the features and functionality that we currently use in Blackboard, but Canvas also brings many new exciting opportunities for teaching and learning. Find out more about Canvas here: www.ucc.ie/en/canvas/

College of Medicine and Health Canvas Training Sessions:

22nd April 2019	10am - 12pm	Research Skills Training Room, Boole Library Q-1
23rd April 2019	2pm - 4pm	G07 Brookfield Health Sciences
25th April 2019	10am - 12pm	Room CEC 1.10 Enterprise Centre, Distillery Fields
29th April 2019	10am - 12pm	Research Skills Training Room, Boole Library Q-1
30th April 2019	2pm - 4pm	G07 Brookfield Health Sciences
1st May 2019	2pm - 4pm	G07 Brookfield Health Sciences
7th May 2019	2pm - 4pm	G07 Brookfield Health Sciences
9th May 2019	10am - 12pm	G32 Western Gateway Building

To sign up to one of the above training sessions, visit:
<https://goo.gl/forms/iz4eBh4Q0J9HDoQP2>

Professor Ronan O’Rahilly, an appreciation



Professor Ronan O’Rahilly, born Cork 1921, died Fribourg, Switzerland 2018, was an anatomist of the highest standing. His major contributions were in the area of embryology. He provided the definitive descriptions of the stages of development of the human embryo during the crucial first 8 weeks. At present, advances in embryology are mostly achieved using molecular techniques. Nevertheless, the matter of *where* molecular events take place is of increasing importance for a proper understanding of their significance.

Ronan O’Rahilly’s work, through its clarity and precision, provides the necessary foundation and framework for this. Its importance can only increase because of its key role in placing molecular function in an exact structural context.

Ronan O’Rahilly qualified in Medicine at UCC in 1943 and took the MSc and the MD, both from the National University of Ireland. He completed three years of clinical appointments, which influenced the emphases of his future work. Early in his career he came under the unique, inspirational influence of Professor MA MacConaill, and this played a key part in his choice of profession as an Anatomist. Following lectureships in the UK he went to the United States where he held professorships at Wayne State University and at the University of California Davis. From 1962 to 1969 he was Chairman at St Louis, one of the USA’s leading Anatomy Departments. Most significantly, from 1962 until 1969 he held the highly prestigious post of Director of the Carnegie Institution’s Embryological Collection of microscope slides. To hold this position is to be confirmed as an embryologist of the first rank. After his retirement in 1990 he held an honorary position in the University of Fribourg.

Ronan O’Rahilly’s studies in anatomical science were wide-ranging. His major contribution was in embryology, and particularly the development of the human embryo. His prodigious research output was of a meticulous and impeccably rigorous standard. It defined, with more precision than before, the mysterious, intricate, four-dimensional cellular dances which take place during the formation of the human embryo. The main focus was on the central nervous, skeletal and visual systems. Congenital abnormalities and analysis of the disordered growth mechanisms by which they came about, were recurrent themes. Stemming from his medical training, his publications were aimed not just at anatomical scientists, but also at clinicians.

Much of his research was done in collaboration with his wife and frequent co-author, Fabiola Muller. Their book *Developmental Stages in Human Embryos* (1987) represents the culmination of his inferential analyses of the monumental Carnegie Collection. In it, the stages of development of the human embryo are rigorously defined. This work established him as the foremost authority in his field. The O’Rahilly-Muller publications include several books on human

embryology and teratology. Their Anatomy textbook ran to several editions and has been translated into several languages.

Ronan O’Rahilly delivered numerous prestigious lectures in Europe and America. He was a member of international committees on anatomical nomenclature in both English and French. *Inter alia* he was Editor-in-chief of *Acta Anatomica*. In 1989 he received the honorary Doctor of Science degree of the National University of Ireland.

Ronan O’Rahilly was born while his father Dr Alfred O’Rahilly, then UCC Registrar, and later President, lived in the East Wing of the UCC Quadrangle. His knowledge and interests extended far beyond those of his profession. He had a wide and deep interest in the arts and was an accomplished linguist. In these respects, he continued in the tradition of his father, a man whose scholarship was legendary in its individuality, intensity, scope and depth, and who in later life was ordained a Catholic priest.

John Fraher
31.03.19

A Glance at Professor Helen Whelton's Recent Activities



ADVOCATE Conference

Professor Whelton pictured with Minister of State for Mental Health and Older People Jim Daly and Lord Deputy Mayor Cllr Mary Shields, who spoke at the ADVOCATE Conference dinner in the River Lee Hotel on the 25th March.



Spring Conferings

Professor Whelton attended the College of Medicine and Health Conferings on 22nd February 2019. Here she is pictured with President Patrick O'Shea, Guest Speaker Dr Máirín Ryan, and Dr Kieran Walsh PhD SPHeRE.



SPHeRE Network 5th Annual Conference

Professor Whelton was one of the Keynote Speakers at the 5th Annual SPHeRE Network conference which took place on 26th February, in RCSI. Professor Whelton's presentation was titled 'Dental Public Health Research, using research to influence policy and lessons learned'.



Clinical Pledge Ceremony

Professor Whelton attended the Dental School's Inaugural Clinical Pledge ceremony which marked the development of the 3rd year BDS students as future dental professionals. At UCC, BDS 3 Students commence the journey of assuming responsibility of leading and managing care for their patients. Addresses were made to the students by the President, Professor Patrick O'Shea; the President of the Dental Council, Dr Gerry McCarthy; and the Dean of the Dental School UCC, Dr Christine McCreary.