



NUI Galway is a university committed to the public good, here for our students, our society and our planet. Our current strategic plan, 'Shared Vision, Shaped by Values' outlines the University's values of openness, sustainability, respect and excellence. In 2021, we worked with generous donors and partners, who share these core values, to make real impact across the University, empowering our students and enabling our faculty to undertake world class research to meet the cascading challenges our world faces, across natural, economic, social, political and cultural realms.

In this report, our 2021 Donor Impact report, we share many stories from students across the disciplines who have been generously supported by individual and corporate donors to advance their studies at NUI Galway. We share the work of our faculty, enabled by committed donors, to inform and educate our community through programmes such as Youth Academy and

Active*Consent, vital programmes to ensuring young people are equipped with the skills they need to lead safe, healthy and happy lives. We include a special piece highlighting the Lambe Institute's impact to date following its establishment in 2015 with the support of visionary donors Dr. Ronan and Ann Lambe. The Lambe Institute is an exemplar in collaboration and cooperation across disciplines and organisations with the overall commitment of improving health outcomes for patients in the West of Ireland and across the globe.

Over many years we have experienced the immense power of diverse groups of people co-creating and sharing knowledge and recognise that open-handed co-operation enables agility and proactivity, accelerating progress and equality in the face of opportunity and crisis. I want to thank our generous donors for your commitment to the University, to supporting progress and advancement at a time when the world's needs are so great and coming together is vital if we are going to thrive into the future.

Professor Ciarán Ó hÓgartaigh Uachtarán—President

Message from Irish Board Chair



On behalf of the Board of the Foundation, I wish to thank all of our donors who have contributed to this success, both in 2021, and over many years.

Notwithstanding the challenges of the Covid pandemic, 2021 was a successful year for Galway University Foundation, during which it raised approximately €3.3M in support of NUI Galway's mission of teaching and research. On behalf of the Board of the Foundation, I wish to thank all of our donors who have contributed to this success, both in 2021, and over many years. Philanthropic support has played a vital role in the transformation of the NUI Galway campus and in the creation and strengthening of research programmes and student supports. This report highlights a number of projects which were supported by our donors in 2021 and is a tremendous endorsement of their generosity.

I wish to acknowledge the work of President Ciarán Ó hÓgartaigh and all of his colleagues throughout the University. Their efforts are key to the success of the University and the important role it plays in inspiring students and acting as a focal point for research and innovation locally, regionally, nationally and further afield. I also wish to thank my fellow board members for generously giving of their time and assistance to the Foundation and the University. The Board of the Foundation is committed to assisting the University in implementing its 2020-2025 strategic plan - Shared Vision, Shaped by Values - and will work closely with the University on its new 'Meitheal' campaign.

In 2021, the Foundation complied with the provisions of the Charities Governance Code and continued to monitor and adopt best practice in charity governance. Summary financial information is provided in this report and our financial statements are published in full on our website www.guf.ie.

The Board of the Foundation welcomes the recent appointment of Dr Paul Dodd as Vice President of Engagement of NUI Galway and we look forward to working with Paul and his colleagues on the next stage of the development of the University. Please join us on this journey.

Professor Emeritus Ruth Curtis,

Board Chair, Galway University Foundation CLG

Message from US Board Chair



US donors in 2021 specifically supported NUI Galway in the areas of student scholarships, medical research and youth empathy research.

On behalf of the US Board of Galway University Foundation, I wish to extend my thanks to all donors to the Foundation who supported NUI Galway's mission of teaching and research in 2021. US donors in 2021 specifically supported NUI Galway in the areas of student scholarships, medical research and youth empathy research. This builds on support in recent years in the areas of sports scholarships, breast cancer research and drama ϑ theatre.

I wish to thank my fellow board members for their service and commitment to NUI Galway. The US Board of the Foundation is committed to supporting the University's strategic priorities as outlined in its strategic plan 2020-2025 and we encourage graduates and friends of NUI Galway to engage with the University through online networks, participation in events and by supporting the University financially. We note the success of the recent North American alumni webinar and look forward to a return of in-person alumni events following a pause during the Covid pandemic. We thank President Ciarán Ó hÓgartaigh for his leadership and wish everyone in the University continued success.

Michael Higgins,

Board Chair, Galway University Foundation, Inc.

Galway University Foundation: History and Mission

Galway University Foundation is dedicated to raising philanthropic support for the priority projects of NUI Galway. Its mission transforms the lives of students and supports research that enhances the lives of people across the globe.

The tireless commitment of our donors has seen us raise in excess of €200 million (including leveraged funds), which has supported a wide range of projects. The capital development of our campus has been enormous. It has changed the entire ecosystem of learning and research for our students and researchers. This development is not just about providing the physical infrastructure, it is about enabling the cross pollination of ideas, providing imaginative spaces for creative thinking and problem solving, and housing the brightest students and researchers so that their work will have impact across the globe.

Galway University Foundation is grateful to all of the visionary and generous individuals, companies and foundations who donate to NUI Galway. Their support through the Foundation has transformed our campus, supported our students and funded life-changing research.



Supporting Future Leaders

Donors to NUI Galway Scholarship programmes join with the University to break down barriers to third level education, to recognise and celebrate excellence and to ensure that NUI Galway continues to be a diverse and vibrant community accessible to all.

Scholarships help shape the vision for NUI Galway, helping to attract and retain the best and most deserving students from the West of Ireland and across the world. Scholarships empower students, helping to reduce the financial burden of a college education, allowing students to find more time and energy to focus on studies. Scholarships are one piece in the puzzle of what creates a strong foundation for supporting students in their success.

We'd like to take this opportunity to thank all our donors for this extraordinary gift of education to the most deserving in our society.

A Vital Gift Alumni Giving

"We make a living by what we get, but we make a life by what we give"

Winston Churchill

Universities are places of growth and inspiration, of learning and developing. The university years are crucial in the development of our future leaders - encouraging and supporting them to become the very best they can be. Our donors play a vital role in enabling the university to support those students who need it most, and in continuing to support our life-changing research.

While the number of students seeking support has increased, so too has the number of donors, and we'd like to thank each and every one of you for your transformative generosity.





Máire Brazil Scholarship in Engineering

Established by distinguished engineering alumna of NUI Galway, Áine Brazil, the Máire Brazil Scholarship celebrates women in engineering. Awarded to the highest achieving female student in Civil Engineering, this scholarship encourages and supports talented female students to develop careers in Engineering.

About Aine Máire Brazil

Aine M Brazil B.E., MSc., PhD, P.E., F.SEI, LEED AP, Former Vice Chairman of Thornton Tomasetti.

In her 40+ year career, Aine was responsible for the design and construction of highrise offices, residential buildings, air-rights projects with long-span transfer systems, and a mix of educational, institutional, healthcare and hospitality projects.

High on the list of her accomplishments is the role she played in leading the structural engineering teams for the current design of almost 7 million sq.ft at the Hudson Yards Development on the west side of Manhattan, the new LaGuardia Central Terminal Building, four major commercial development projects in the Times Square area, and Rockefeller University Laboratory building over the FDR Drive.

Aine has been recognised many times for her contributions to the built environment, including being named one of "New York's 100 Most Influential Women in Business" by Crain's New York Business in 1999. In November 2006, she was honoured as Woman of the Year by WX, New York Women Executives in Real Estate. Aine has been a leader on New York City Mayoral Commissions concerning building code issues including the Mayor's Building Resiliency Task Force following Hurricane Sandy.

A native of Galway, she obtained a First Class honours bachelor's degree engineering from NUI Galway, and a master's degree in engineering from the Imperial College in London. In 2015, Aine was awarded an honorary PhD in Engineering from NUI Galway. She has recently been elected a member of the National Academy of Engineering, one of the highest professional distinctions awarded to engineers.

As Vice Chairman of Thornton Tomasetti, Aine has been an inspiring role model for many women. Several years ago, she identified a need for a more proactive role in supporting women within the firm, which led to the founding of W@TT (Women at TT) to provide support and mentoring for all female staff. The group's mission is to help Thornton Tomasetti women navigate a career path in the firm and the industry, to provide a support network of women for women and to promote the advancement of women and encourage their professional recognition in the industry. She has served on several boards of organisations focused on the advancement of women in the professions and trades of the design and construction industries.

"The Maire Brazil Scholarship was named for my mother - an intelligent, generousspirited and hard-working woman. Born Maire NicDonnacha in Carraroe, Co Galway in 1911, she was not able to get a 3rd level education herself for economic reasons. However, she got a position in the UCG (University College Galway, now NUI Galway) Bursar's office where she worked for about 40 years. Immersed in the academic environment, she appreciated the value of a third level education and she made sure that all her children were given the opportunity to study at UCG. She and her husband Patrick Brazil provided the opportunity for their children to follow their dreams. This scholarship will hopefully continue to help other young women to follow their dream to become civil engineers."

Aine Brazil

Recipient Profile

Johanna Bernhardt

Johanna Bernhardt started her journey at NUI Galway through the access programme. She is now a third year Civil Engineering student.

"My name is Johanna Bernhardt. Last year, I was fortunate to be awarded the Márie Brazil Scholarshipwhich I'm very thankful for. It makes a big difference in my life, in terms of my studies and other responsibilities.

I was raised by a single mother and one of five children. As a low-income family, things were always tight but when I was 14 my mother was diagnosed with cancer, along with an unhealthy home environment, everything changed. I quickly realised that education was my way out from a life and a home that was very difficult to live in.

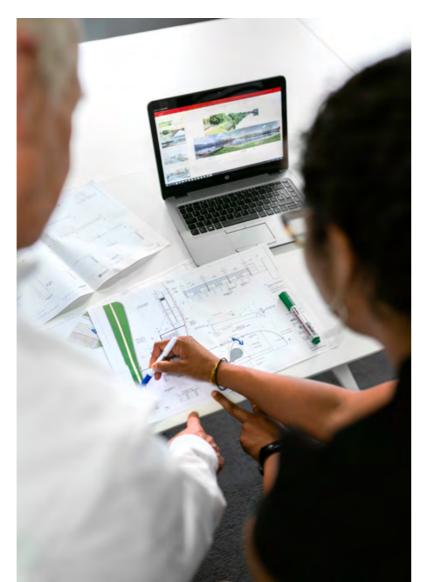
At 19, I came to Ireland to improve my English, but instead of returning to Germany, I stayed in Ireland, got married and had my two daughters Mariela and Esperanza at age 22 and 25, respectively. When Esperanza was just one, I left the marriage to seek refuge in Waterside House, a refuge for domestic violence survivors. From the moment I regained control over my life, I started planning my return to education. In 2016, I was given the opportunity to take part in a scheme from the social welfare department, organised to help single mothers return to work or college. It was there that I learnt about the access course that NUI Galway was offering for socially disadvantaged individuals to gain entry to university. I applied and undertook the course in 2018, which then gave me access to the civil engineering honours degree course. For me it was a dream come true. Since I was a little girl, I had always enjoyed creating things, building boats and dams, my own doll house and for most of my birthdays, I wished for building sets. At the same time, the growing environmental issues were something that I had followed with concern. Being able to take part in a course that allowed me to follow my passions and give me the opportunity to hopefully make a contribution to environmental issues gives me the drive to strive to do my best.

After my first year of the Civil Engineering course, I was awarded the Marie Brazil scholarship. It was amazing to have my hard work recognised. While the recognition really boosted my self-confidence and inspired me to do even better, the financial aspect of

the scholarship makes a huge difference to our life. Due to my home situation, I could not rely on outside help in terms of finances.

"The tremendous commitment of you, our donors, transforms the lives of students and their families everyday"

The scholarship money helps me to afford maintaining a car and helps with childcare payments. But the biggest reward of all is to see my two girls, now 9 and 7, wanting to follow in my footsteps to go to university, believing that if they really want to and study hard, they can do anything they want. I want to thank you again for this incredible support and recognition.



Pauline & Bunnie Jones Scholarship – Supporting Young People from Roscommon

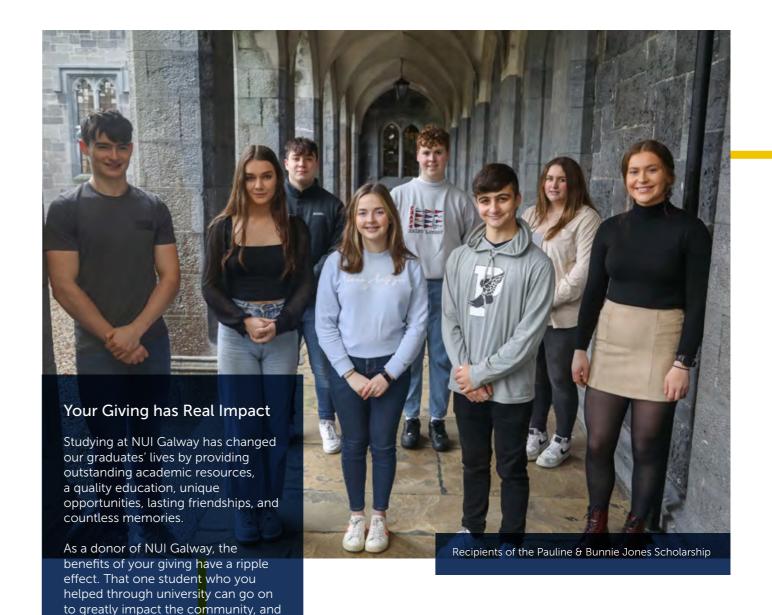
The Pauline & Bunnie Jones Scholarship was established in 2019 to promote excellence and celebrate academic achievement in secondary schools in Co Roscommon. The Jones Family of Tulsk generously established an endowment in honour of their parents Pauline and Bunnie Jones, supporting students over their four-year degree programme.

"We are investing in Roscommon's future, in honour of our parents who made great

society at large through the gifts and

talents that you have enabled them to nurture. Together, we can create real and lasting change in our world.

sacrifices to invest in us," says Adrian Jones about the scholarship. "They both believed passionately in the transformative power of learning. Our father's formal education ended at 12 but in his 40s, he earned a Diploma in Social Studies, made possible by the dedication of Michael D. Higgins, then lecturing at NUI Galway. Our mother went back to NUI Galway, her alma mater, in her 70s to study Archaeology."



University of Sanctuary Scholarships

The University of Sanctuary initiative at NUI Galway aims to increase public awareness on international protection, migration and nomadism to address the low levels of participation of underrepresented groups in third-level education.

International protection applicants, refugees, vulnerable immigrant groups and Irish Travellers are too frequently excluded from participation in education due to inequitable societal barriers, and we feel that through our actions as a designated University of Sanctuary, we can make Galway's community a much more inclusive and equitable space for all.

Since its inception, 30 students have received University of Sanctuary Scholarships at NUI Galway across all disciplines. These students – both male and female – are predominantly seeking international protection and come, mostly, from countries in Africa such as Somalia, Zimbabwe, Congo and Malawi.

The University of Sanctuary students have very diverse backgrounds and experiences, but the challenges they face are very similar including racism, lack of access to information, lack of support and very serious financial barriers. The University of Sanctuary programme at NUI Galway aims to address all key barriers for students, ensuring that they

join an inclusive and welcoming NUI Galway. Alongside this work, the University of Sanctuary programmes undertake outreach and advocacy activities to increase the awareness of the programme and address the barriers faced by the University of Sanctuary programme.

"The struggles I have experienced have made me very determined and ambitious. I am hardworking; putting every effort into my academic studies while also doing my best to support others and contribute to my community. There are a lot of young people like me who are equally motivated and ambitious but have no opportunity to pursue their dreams."

Obadiah, originally from Burundi grew up as an unregistered refugee in Zambia. He is now a full time student of science at NUI Galway.

The Galway Wind Park Scholarship

The Galway Wind Park Scholarship, established in 2020, is targeted at full and part time undergraduate and postgraduate students living within 20km of the Galway Wind Park in Connemara, Co Galway. The Scholarship Fund provides third-level education opportunities for local students to gain qualifications and build strong careers in STEM (Science, Technology, Engineering, Maths) subjects and in the areas of energy efficiency, sustainability, environment, health, safety and social skills.

"Without funding from the Galway University Foundation, I would not still be in NUI Galway. During my second year of medicine, my family support broke down. My grades deteriorated as I worked part-time, and I struggled to figure out a way to keep myself in college and deal with the stress of my home life. After I failed my exams, I approached the VP for Student Experience, who awarded me funding for my 3rd and 4th years, which made a world of difference. I am very grateful to the GUF, as I don't believe I would have made it this far without it."

Anonymous Student

who received support from the Student Hardship Fund



Optum Scholarship

In 2021 the Optum Scholarships were awarded to Diarmuid Dolan, Genomics & Genetics Scholar and Halim Egberongbe, Biotechnology Scholar at NUI Galway. Established in 2018 by the health services and innovation company Optum, based in Letterkenny. The scholarship aims to support young people who are less advantaged from County Donegal in order to offer access to third level education and to allow successful candidates to fully participate in college life.



Hazel and Tanya Tarpey Memorial Fund

The Tarpey family established the Hazel and Tanya Memorial Fund in 2018. Sisters Hazel and Tanya Tarpey had a rare genetic autoimmune disease that affects the endocrine glands called APECED (autoimmune polyendocrinopathycandidiasis-ectodermal dystrophy). Their parents, Tim and Mary and siblings, Ruth and

Dermot wanted to honour the memory of Hazel and Tanya by fundraising to establish these two annual scholarships in their names.

The 2021 Tarpey Scholars are Paula Tiernan (Nursing Science) and Caoimhe Newell (Medicine).



12

Terence O'Malley DLA Piper Scholarship

NUI Galway School of Law is delighted to partner with global law firm DLA Piper for the Terence O'Malley DLA Piper Scholarship. The scholarship, which was founded in 2020, is named after Terry O'Malley, Chairman Emeritus (US), and will provide funding to support students in financial need studying at NUI Galway School of Law.



Deloitte Global Scholars

Generous support from Deloitte enables students to pursue international study as part of the BComm Global degree programme. The new Bachelor of Commerce (Global Experience) course at the JE Cairnes School of Business & Economics in NUI Galway offers the opportunity of a work placement and a study abroad in the same year. The global experience is fundamental to the B Comm Global

degree and offers students the opportunity to sample new cultures and to work in new environments. NUI Galway partners with universities in a variety of countries including Australia, Austria, Belgium, Canada, Denmark, France, Germany, Hong Kong, Sweden, the UK and the USA, among others.

NUI Galway Choral Scholarships

NUI Galway Choral Scholarships are offered jointly by the University and St Nicholas Schola Cantorum. These scholarships offer students the opportunity to be part of the 500-year-old choral tradition in St Nicholas', and avail of unique opportunities for musical education and vocal development. They rehearse twice-weekly, sing with the other experienced ensembles of the Schola Cantorum, and take part in various liturgical performances in each semester.



Victoria Thompson Scholarship

The Victoria Thompson Scholarship was established in 2016 to support students to undertake the Masters in Complex Care and Children's Palliative Care at NUI Galway.

"Our daughter, Victoria Thompson passed away in June 2012 at exactly nine months old. She needed palliative care as she had a rare disease that was incurable. This was ten years ago, and we had difficulty finding nursing support to care for Victoria at home. Thankfully, we found Ireland's only children's hospice, LauraLynn, and she passed away peacefully there. When in despair, we vowed never to forget the nurses who came to our aid and when the opportunity arose to both speak at and contribute to the Masters and Post Grad in Children's Palliative Care and Complex Care in NUIG, we jumped at the chance"

Sharon Thompson, mother of Victoria Thomson.

The work of these complex and palliative care specialists is to promote and nurture the quality and wellbeing of children and their families diagnosed with life limiting illness. The legacy of Victoria burns bright and her short life is already impacting on the lives of so many children and their families who find themselves requiring specialised care at home.



"I learned the importance of education from my parents who had a deep interest and commitment to the education of their children. Over the years, I have been increasingly aware of the number of children and young adults who have not had similar guidance and support. In particular, I am concerned about the lack of support in mainstream education for refugees and vulnerable immigrants and Irish Travellers. Education and integration are important components of the healthy society we aspire to, and are safeguards against bias, intolerance and inequality. Potential high achievers from such backgrounds should have the opportunity to benefit from the excellent employment opportunities now available in this country and to be role models in their community."

Anonymous Benefactor, Inclusive Centenary Scholarships

Hardiman PhD Scholarships

The prestigious Hardiman Research Scholarship scheme was first launched in NUI Galway in 2011 to support outstanding PhD students, allowing them to pursue a structured postgraduate degree by research.

This scholarship is aimed at high-achieving individuals, with drive and passion, who have an appetite for the research world and creativity, who thrive on intellectual excitement, and who will positively impact and shape the future for all in our society.

Engaging with partners locally, nationally and worldwide, the Hardiman Scholarship,

which is fully funded for four years, invites ambition in research that underpins: enhancing policy and society; enriching creativity and culture; improving health and wellbeing; realising potential through data and enabling technologies and sustaining our planet and people.

Since its inception, Galway University
Foundation has supported this programme
with a fund of almost €2.5 million, thanks to the
generous support of donors such as Cancer
Care West, Mayo Pink Ribbon, O'Sullivan
Family Trust and the Tony Ryan Trust.

McGinty MBA Scholarship

The McGinty MBA Scholarship was established in 2020 by NUI Galway alumna, Dr Geraldine McGinty, to empower females on a career path to healthcare leadership.

By empowering medics and other healthcare professional to pursue an MBA programme, this scholarship will equip them with a skillset to elevate their strategic vision and enhance their management capabilities. Dr Geraldine McGinty is Senior Associate Dean for Clinical Affairs at Weill Cornell Medicine.

This scholarship will see a new cohort of women who will lead improved and impactful outcomes for patients and staff in the healthcare system. The scholarship will be awarded annually to a female with three years postgraduate work experience in medicine and healthcare, with the successful applicant demonstrating a clear career pathway towards leadership in the healthcare sector.

Professor Alma McCarthy, Head of J.E. Cairnes School of Business & Economics at NUI Galway, said: "Research shows that diversity in senior management leads to better organisational outcomes. We are committed to supporting gender parity in leadership roles and providing women with female leaders who can act

as role models. This MBA scholarship will help to nurture world-class female leaders who can have a significant impact in their organisations and throughout society."



Outreach & Community Engagement

E

Inspiring young minds in the West of Ireland

The Youth Academy has evolved from a small scale pilot project in 2012 to one of the largest primary school outreach programmes in the West of Ireland.

The programme, supported by Merit Medical and Galway University Foundation, works with high-academic ability primary school students to support their learning and academic ability. Eligibility is based on being in the **top 5%**, based on standardised test results carried out annually in the schools, with students needing to demonstrate high scores in English or Maths.

In 2021, the Youth Academy welcomed secondary school students on a successful pilot programme. Courses are delivered in NUI Galway at weekends by NUI Galway lecturers and PhD students. Students are taught by engaging and friendly instructors who are experts in their subject areas. Since 2012, almost **5,000** primary school students have attended over **300** courses delivered by lecturers and PhD students. All courses are highly interactive and use a variety of teaching techniques to ensure students

get the most out of their experience at NUI Galway. The courses are outside of the primary school curriculum, which allows students the opportunity to make new discoveries in different areas of study, in a fun and interactive way that enriches their school experience.

The breadth of courses offered has grown to reflect the teaching, learning and research expertise across the University. The Youth Academy plays a significant role in the community, meeting the demand for discipline-specific programmes aimed at high ability primary school children and creating opportunities for children from disadvantaged backgrounds to attend on a scholarship basis. The Youth Academy makes special efforts to work with young people from DEIS schools and those who may not have a history of third-level education in their family. The programme aims to inspire entry into university by introducing children and their families to university life and by creating positive perceptions of the university and its academic programmes.











Making our Society a Better Place to Belong

_

Active Consent - educating young people about positive sexual health

NUI Galway's consent education programme - Active* Consent, has been supporting young people in building their knowledge of consent as a key component of positive sexual health and well-being for almost ten years.

The programme offers a series of inperson and online workshops, theatre performances, eLearning packages, education/ briefing sessions for institutional leaders, accredited professional development modules and shorter training packages. The new Active* Consent hub is the first national and publicly available online resource for sexual consent education and awareness in Ireland including a monthly Green* Light Podcast. The podcast has been listened to in multiple countries, including Ireland, the United Kingdom, United States of America, France and Russia. It has been placed in the Top 20 Irish Podcast Documentary Charts.



11 PARENTS SEMINARS WERE HELD TO INFORM PARENTS **ABOUT THE ACTIVE* CONSENT** FOR SCHOOL COMMUNITIES PROGRAMME BEING ROLLED OUT IN THEIR CHILD'S SECONDARY SCHOOL WITH OVER 780 PARENTS ATTENDING



50 PROFESSIONALS FROM THIRD LEVEL COLLEGES, SCHOOLS, THE DEFENCE FORCES. AN GARDA SÍOCHÁNA, COMMUNITY GROUPS, AND STUDENT ACTIVISTS WERE TRAINED IN

CONSENT PROMOTION

THROUGH OUR CONTINUING PROFESSIONAL DEVELOPMENT MODULE IN 2021. A THIRD MODULE IS BEING RUN IN 2022 WITH A NEW COHORT OF PROFESSIONALS. PARTICULARLY FROM THE **FURTHER EDUCATION SECTOR**

90% of Students **RECOMMEND THE ACTIVE* CONSENT WORKSHOPS AND** 85% AGREE IT IS **RELEVANT TO THEM**



THANK YOU - WE WOULD LIKE TO ACKNOWLEDGE THE LEAD FUNDER OF ACTIVE CONSENT, THE LIFES 2GOOD FOUNDATION, FOR THEIR COMMITMENT AND DEDICATION TO ENSURING THAT YOUNG PEOPLE BUILD KNOWLEDGE OF CONSENT AS A KEY COMPONENT OF POSITIVE SEXUAL HEALTH AND WELL-BEING. WE ARE ALSO GRATEFUL TO OUR OTHER FUNDING PARTNERS - RETHINK IRELAND, THE DEPARTMENT OF JUSTICE, THE DEPARTMENT OF FURTHER AND HIGHER EDUCATION, RESEARCH, INNOVATION AND SCIENCE AND NUI GALWAY.

SCHOOL STUDENTS

THE ACTIVE* CONSENT FOR SCHOOL COMMUNITIES PROGRAMME SINCE IT LAUNCHED IN AUTUMN 2021

250 STAFF AND STUDENTS ARE TRAINED ANNUALLY IN FACILITATION SKILLS TO ROLL OUT THE **ACTIVE* CONSENT ONLINE** OR IN-PERSON WORKSHOP



2000 SECONDARY

2021

HAVE BEEN REACHED THROUGH

MONTHLY EPISODES OF THE BEEN LISTENED TO WORLD-WIDE, REACHING THE

230 SECONDARY SCHOOL TEACHERS

ATTENDED A TEACHER TRAINING SINCE THE LAUNCH OF THE ACTIVE* CONSENT FOR SCHOOL COMMUNITIES **PROGRAMME IN AUTUMN 2021**



ALMOST ALL HIGHER **EDUCATION INSTITUTES** IN IRELAND PARTNER WITH ACTIVE* CONSENT

A PERSON CONSENTS

TO A SEXUAL ACT IF

VOLUNTARILY AGREE

TO ENGAGE IN THAT

SECTION 48.9.1

CRIMINAL LAW (SEXUAL OFFENCES) ACT 2017

ACT.

THEY FREELY AND



130 **SECONDARY SCHOOLS**

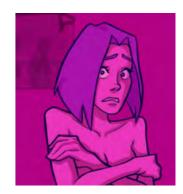
HAVE ENGAGED WITH ACTIVE* **CONSENT SINCE** THE LAUNCH OF THE **ACTIVE* CONSENT** FOR SCHOOL COMMUNITIES PROGRAMME IN **AUTUMN 2021**

REMINDER

You can change your mind

bout having sex - even after

you're already having it



18,000 COLLEGE STUDENTS TOOK PART IN THE ACTIVE* CONSENT ONLINE WORKSHOP IN ACADEMIC YEAR 2020-2021 AND APPROXIMATELY

40% of workshop PARTICIPANTS SINCE 2020 ARE MALE

18,000 IN 2021-2022



PROFESSIONALS

HAVE BEEN TRAINED IN THE FIRST POINT OF CONTACT DISCLOSURE TRAINING IN PARTNERSHIP WITH GALWAY RAPE CRISIS CENTRE.

GREEN* LIGHT PODCAST HAS

TOP 20 IRISH PODCAST DOCUMENTARY CHARTS

Impact through Research & Innovation

Donor Supported Research

Chan Zuckerberg Initiative (CZI) expanding microscopy training at NUI Galway

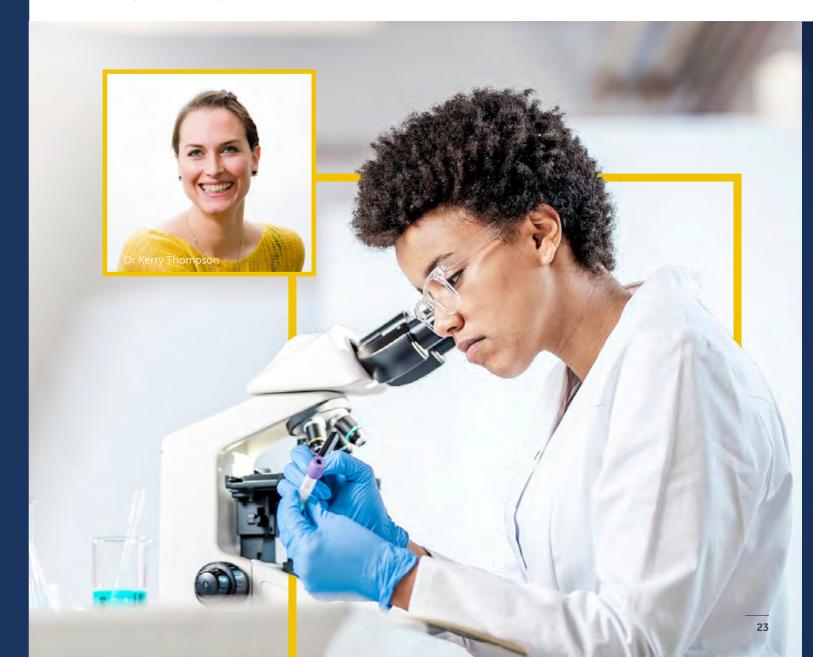
Microscopy and imaging are an essential part of many scientific experimental workflows and are used to visualise, measure and analyse the biological processes that underlie health and disease.

In 2020, NUI Galway's School of Medicine and Centre for Microscopy and Imaging, through Dr Kerry Thompson, was awarded more than \$750,000 to radically expand microscopy training for scientists and researchers in academia and industry in Ireland.

The funding was confirmed by the Chan Zuckerberg Initiative (CZI), a philanthropic foundation founded by Dr Priscilla Chan and her husband, Facebook founder Mark Zuckerberg, that matches engineering with grant-making, impact investing and policy and advocacy work.

As the linchpin of modern biological research, with hundreds of scientific roles requiring specially trained microscopists and imaging scientists, securing this funding is invaluable. One example of microscopy and imaging is accelerated drug discovery, which was used for the development of covid vaccines – a development that would not have been possible without imaging experts.

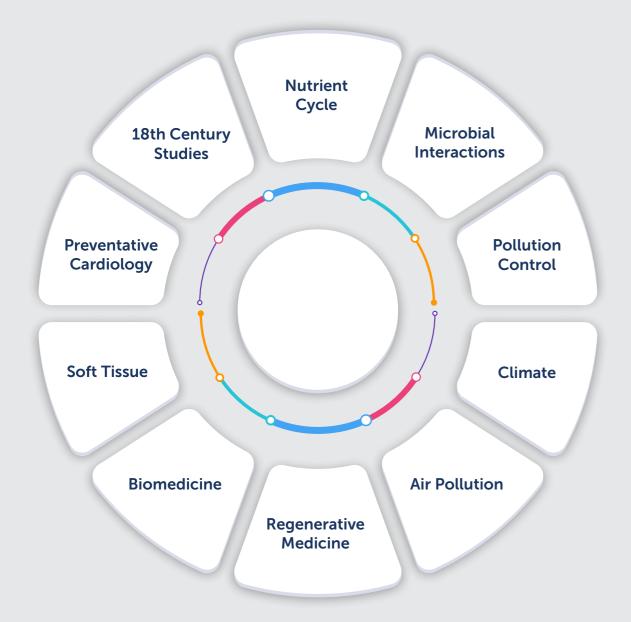
This funding secured by Dr Thompson places imaging scientists at the heart of ground-breaking research to accelerate discovery. The funding has supported the development of a new centre of excellence at NUI Galway, offering STEM professionals, scientists and researchers cutting edge training in bio-imaging and analysis.



Investing in Emerging Leaders

_

We understand the importance of attracting and retaining emerging leaders in research across the University's key research themes. With this in mind, NUI Galway, with the support of its donors, launched the Foundation Research Leadership Programme to develop future research leaders, from career foundation, through to research pioneers.



Bill McEvoyProfessor of Preventive
Cardiology



Having joined NUI Galway medicine in 2018, with the support of Galway University Foundation, Bill Mc Evoy has been leading the way in Cardiology internationally.

Coming from Johns Hopkins University prior to coming to NUI Galway, Bill is also a clinical cardiologist at UHG (University Hospital Galway) and the director of the Galway-based National Institute for Prevention and Cardiovascular Health, which is a not-for-profit NUIG community affiliate.

Active in a number of areas of clinical research, Bill has published more than 35 peer-reviewed scientific papers per year since returning to NUI Galway. His main focus is on hypertension, or high blood pressure, and the prevention of cardiovascular disease (CVD). In 2019, Bill co-authored the international American Heart Association/American College of Cardiology Guideline on CVD Prevention, leading on the aspirin section.

Bill is currently co-investigator on a number of studies - the INTERASPIRE international cohort study, which is industry-funded to the level of over €2.5m, in addition to two large Health Research Board grants awarded to NUI Galway. In recognition of his internationally-recognised status in the field of Hypertension, Bill was also recently given the honour of chairing the forthcoming 2024 European Society of Guideline on Hypertension and, as such, Bill will be leading on the recommended approach to treating high blood pressure for millions of adults around Europe.

David O'Shaughnessy Professor of 18th Century Studies



Professor O'Shaughnessy is currently Principal Investigator on an ERC Consolidator Grant that explores the finances of London's Drury Lane and Covent Garden Theatres. Along with an interdisciplinary team, he will be using econometric methodologies to deepen our understanding of the relationship between finance and cultural production in the Georgian period.

Professor O'Shaughnessy's research has attracted funding of €2.3m from European sources. He held a Marie Sklodowska-Curie Global Fellowship (2017-2019) and a Marie Sklodowska-Curie Career Integration Fellowship (2013-16). He is twice recipient of the British Society for 18th Century Studies Digital Humanities Prize (2013, 2021). He has published widely on British radicalism of the 1790s, 18th Century theatre censorship, and on Irish playwrights of the 18th Century such as Oliver Goldsmith and Charles Macklin. He is a graduate of Trinity College Dublin, NUI Galway, and the University of Oxford and has held early career/visiting fellowships at Oxford, Warwick, Caltech, the Huntington Library, and the Lewis Walpole Library at Yale.

He is also currently a general editor of a new edition of Oliver Goldsmith's Collected Works to be published in 8 volumes by Cambridge University Press (2024-2028).

Tom McDermott
GUF Lecturer in the
Economics of Climate
Change and Development



Dr Tom McDermott is the GUF Lecturer in the Economics of Climate Change and Development at the J.E. Cairnes School of Business and Economics and a founding member of the Centre for Economic Research on Inclusivity and Sustainability (CERIS) at NUI Galway. Tom is also director of the MSc in Global Environmental Economics at NUI Galway.

Tom's research is at the intersection of environmental and development economics. In particular, his work investigates the economic and social impacts of extreme weather events such as floods, as well as how societies and economies adapt and respond to changing environmental risk.

His research has been published widely, including in leading economics journals (e.g. AEJ-Applied, Journal of Economic Geography, Oxford Economic Papers), development journals (e.g. World Development) as well as more generalist science and social science journals (PNAS, Global Environmental Change, Nature Communications). Tom's research has been cited over 2000 times (h-index 13, i10-index 16; according to Google Scholar, May 2022).

His research has been funded by the IRC and the EPA, as well as by international development agencies and the UN (UNU-WIDER), and by a number of scholarships and research awards from universities where he has worked and studied. In 2020, Tom was awarded the NUI Galway President's Award for Research Excellence, and in 2021, was awarded €250,000 from the EPA for a new two-year research project on Climate Resilient Places. This new project focuses on developing a better understanding of future risks related to climate change − specifically flood hazards − at a highly local level in Ireland; how these risks are perceived and valued, and how they interact with policies across a range of related sectors including planning, climate mitigation and adaptation, and community development. The research will involve inter-disciplinary collaboration between colleagues in economics, engineering and psychology.

Ines Thiele
Professor in Systems
Biomedicine



Professor Ines Thiele and her team aim to improve health through establishing a better understanding of the underlying biomedical mechanisms of disease to support early diagnosis and personalised treatment.

The team does this by using the power of computers to make actionable predictions by holistically accounting for our nutrition, genetics, microbiome, and health status.

Since coming to Galway in early 2019, this work has resulted in 26 manuscripts and 9,000 citations, also recognised by the Clarivate Highly Cited Researchers Award. A recipient of the NUI Galway President's Award for Research Excellence in 2020, the team has also built up over 1,000 monthly users on the Virtual Metabolic Human (www.vmh.life) Open Science platform from across the globe.

During the Covid 19 pandemic in 2020 and 2021, the team, led by Ines, designed and implemented Virtuome, a fully virtual summer research programme with a focus on digital health, for undergraduate STEAM students in Ireland, resulting in successful employment for at least 11 alumni in 2021, and direct support of 18 alumni, from a total of 56 alumni to date.

Participants collaborated on challenging projects based on the three pillars of biomedical research; personal development, and community impact, driven by implementing systematic team empowerment and supported by guest contributions from international collaborators, to get ahead in their careers. The resulting portfolio of tangible outcomes to date comprises 3 novel biomedical visualisation resources, 13 deliverables per participant (including reports, videos, reflections, presentations), and 6 community impact case studies involving 513 contributors.

Dr Valentina Balbi Lecturer in Applied Mathematics



Dr Valentina Balbi is an applied mathematician and works in the field of soft tissues mechanics. She investigates how biological tissues deform and get damaged when subjected to mechanical forces, such as those experienced by the brain during a traumatic head impact.

On the one hand, her research contributes to improving our knowledge on soft tissues mechanical properties and, on the other hand, to the advancement and optimisation of medical devices. Valentina's research has been published in the best international journals in the fields of applied mathematics, physics and engineering. Her research has been funded by the European Commission, the Irish Research Council, and the EPSRC. To reach the general public, Valentina has delivered a series of lectures on her research on soft tissues mechanics, in national and secondary schools in Ireland and abroad.

Dr Meadhbh Brennan Senior Research Lecturer in Biomedical Engineering and Regenerative Medicine (REMEDI)



Dr Meadhbh Brennan works at the interface between engineering and medicine and her interdisciplinary research focuses on the potential of mesenchymal stromal cells (MSCs) and their secreted factors to heal injured or diseased tissue. She has a particular interest in extracellular vesicles (EVs) – tiny biological packages that can deliver messages from cell to cell. Brennan and her team's research goals include uncovering the mechanisms underpinning EVs action on cells involved in the tissue healing cascade, the physical and chemical cues that regulate EV secretion, and the development of therapeutic EV delivery strategies using biomaterials. While her team in NUI Galway grows, she continues to collaborate with her previous teams in Harvard University in the US and INSERM in France on this work.

The excellence of her research was recently recognised by awards such as a prestigious European Research Council Starting Grant, as well as a Starting Investigator Research Grant from Science Foundation Ireland.

In addition to her research being published in scientific journals, her work is regularly relayed to the public and was featured in Cordis EU Research, and more recently in the Irish Times and the Irish Independent.

26

Dr Guangxue Wu Senior Lecturer in Civil Engineering



Jurgita Ovadnevaite
Deputy director of
Ryan Institute's Center
for Climate and Air
Pollution Studies



Dr Guangxue Wu's research is focused on nutrient cycle, microbial interactions and pollution control in natural and engineered environmental systems. On the fundamental research level, special focus lies on the exploration of mechanisms of biogeochemical cycle in various water environments; on the technology development level, new materials or principles will be adopted to environmental biotechnologies for pollutants abatement and resources/energy recovery; and on the policy support level, the framework and standard for sustainable development of the Water-Environment-Ecology-Nexus system will be established.

Aligning with the strategy of NUI Galway, Dr Wu's research outputs will contribute to the sustainable development of our society by providing cleaner sources of energy and more efficient waste treatment technologies. These will benefit sustainable waste management in Ireland through controlling pollutants and recovering resources, and further advance the achievement of the United Nations Sustainable Development Goals such as clean water and sanitation (Goal 6) and affordable and clean energy (Goal 7).

Since commencing his role through GUF support, he has been working actively in his research field with four PhD students having joined his group. Working as the guest editor with colleagues from UK and Canada, he has co-launched a special issue on 'Recent Advances in Bioreactor Microbiome Research' in the Journal of Environmental Engineering.

Jurgita Ovadnevaite is leading a key and ground-breaking research in aerosol - climate - health interactions. Her work has resulted in major advances in fundamental climate physics and secured an invitation to contribute to the latest IPCC Assessment Report.

Jurgita publishes her research in high profile international journals, including Nature and Nature family, and acts there as a reviewer. In addition to these scientific advancements, Jurgita's research also brought a greater impact on policy and society by informing the government's new strategy on air pollution mitigation and enabling the development of sophisticated and better-informed policy.

Her efforts have allowed a behavioural and practice change to improve health, wellbeing, and the quality of life of Irish citizens. Jurgita is also a member of the executive and scientific steering committees of a very high-profile international SOLAS programme and promoted NUI Galway as the next host for its governing office to empower the Global Galway initiative. She is leading the new MSc in Climate and Sustainability to increase NUI Galway's competitiveness in the area and deliver new international prospects for its students. Jurgita has also secured competitive research funding from National (EPA Ireland) and European (HORIZON) agencies.

Saving Lives, Saving Futures

_

National Breast Cancer Research Institute – Galway University Foundation

Breast cancer accounts for the greatest number of cancers diagnosed and the greatest number of deaths from cancer in women in Ireland. Thanks to the support of our donors, research in breast cancer is changing the prognosis for women and men diagnosed with breast cancer.

The National Breast Cancer Research Institute (NBCRI) continues to support breast cancer research at the Lambe Institute under the research leadership of Professor Michael Kerin, Dr Roisin Dwyer, Professor Aoife Lowery and Dr Nicola Miller. This research reaches between the lab and the clinic and is enabled by the translational environment of the Lambe Institute, involving scientists, clinicians, and engineers. Its location on the University Hospital Galway (UHG) hospital campus has proved invaluable in this respect, providing a direct physical link between the research laboratory and clinical environment.

PARTNERSHIPS and KNOWLEDGE

The support of NBCRI has enabled national partnership with Precision Oncology Ireland, an €11.9 million, national, collaborative cancer centre funded by Science Foundation Ireland's Strategic Partnership Programme, and with SFI-funded Centre for Research Training in Genomics Data Science - a collaboration between data scientists, clinicians, and translational scientists. These partnerships fund postgraduate and postdoctoral researchers and provide access to outstanding resources and expertise.

Research programmes include personalising breast cancer diagnosis and treatment through genetic risk prediction and circulating biomarker discovery; engineering breast tissue for post-surgery reconstruction; development of tumour-targeted gene therapies. Through strategic collaborations with the Saolta-NUI Galway Cancer Network, the All-Island Cancer Research Institute, the Biseach Initiative (University of Notre Dame) and the CORRIB Core Lab at NUI Galway, NBCRI also supports survivorship research programmes and the development of the cancer infrastructure in the West and NorthWest of Ireland.

FUTURE PROOFING RESEARCH and CANCER CARE - To date, NBCRI has supported the research of over 50 postgraduate researchers, summer research opportunities for more than **80 undergraduate** medical and science students and advanced the global understanding and knowledge around breast cancer through over 200 research **publications**. Support for graduate students and fostering an interest in research at undergraduate level is vital to future proof the pipeline of cancer experts. Current and future students will be investigating the diseases, developing devices and therapies, and treating the patients of the future. NBCRI, through the Lambe Institute, facilitates this and so will have a tangible economic and healthcare impact, stretching beyond our campus and beyond our time.

In November 2021, An Taoiseach Micheál Martin T.D. unveiled a commemorative plaque at the Lambe Institute in honour of Dr Anna O'Coinne, former chairperson and honorary president of National Breast Cancer Research Institute.









Multiple Sclerosis Research

Multiple sclerosis (MS), a debilitating disease of the brain and spinal cord, has been the primary research focus of Dr Una FitzGerald's group in NUI Galway for the last 15 years. This important work has been generously supported over many years by a private donor.

Based in CÚRAM, Science Foundation Ireland's Centre for Research on Medical Devices, the group adopts a multi-disciplinary approach to understanding the pathogenic mechanisms of the disorder and developing novel and innovative treatments.

Currently, Dr FitzGerald's group are collectively working on the development of a medical device that could treat people with what is known as Progressive MS. This usually occurs later in the disease and during this stage, patients suffer from gradually worsening symptoms without respite. There are very few treatments available for progressive MS and the researchers at NUI Galway are working in collaboration with experts from seven other countries across Europe to develop a much-needed therapeutic option.

The medical device is the brain-child of Dr FitzGerald and its purpose is to provide minimally-invasive treatments that could prevent progression of disease. After gathering a consortium of expert researchers and manufacturers, she secured €3.9 million from the European Union's Horizon 2020 research and innovation program to develop the device and to provide training for 15 early stage researchers (ESRs) from across the globe. In spite of the restrictions and intermittent lab closures caused by the Covid19 pandemic, the ESRs and supervisors have continued pushing the research forward and have met regularly over the past 15 months on virtual platforms.

In another initiative, closer to home, the research group has been instrumental in developing an exciting new network devoted entirely to the study of MS on the island of Ireland. Dr FitzGerald, and Senior Researcher Dr Jill McMahon are founder members of the All Ireland MS Research Network (AIM-RN), along with four other MS researchers from the Royal College of Surgeons in Ireland (RCSI) and Queen's University Belfast (QUB).

The network, which was launched in

February 2021, was set up with the purpose of connecting those throughout Ireland whose research is focused on MS. By creating this network, it is hoped that cutting-edge research can be delivered more promptly and efficiently and that collaborative efforts will also lead to training future researchers and leaders in MS, as well as allowing dissemination of research discoveries to the public and all interested parties. The membership comprises a wide cross-section of the MS community including researchers, people with MS, advocates, neurologists, health scientists, psychologists and MS specialist nurses. It is hoped that the membership of AIMS-RN will continue to grow all across the island. The network was delighted, through the generosity of our benefactors, to announce a summer 2021 research fellowship scheme whereby students could spend 6 weeks carrying out a project in a University research group. Out of nearly eighty applicants, four talented and promising undergraduate students were chosen to become research fellows at NUI Galway, RCSI, QUB and Trinity College Dublin and are currently undertaking their research. Further information on the mission, aim, scope and membership of AIMS-RN can be found at www.aims-rn.org.



Alumni Awards 2021

_

NUI Galway Alumni in the worlds of the Arts, Sport, Public Service, Irish Language and Academia were among the distinguished recipients of the NUI Galway Alumni Awards 2021.

Seven former students were recognised in 2021 awards, in recognition of their individual excellence and achievements.

President of NUI Galway, Professor Ciarán Ó hÓgartaigh said, "At NUI Galway, we are a university for the public good, with a shared vision, shaped by our values. For 175 years our university has educated graduates of the highest calibre who have gone on to have significant impact in their field of endeavour in Ireland and internationally.

I congratulate each of the award winners and look forward to welcoming them back to their alma mater in 2022."

First introduced in 2001, the NUI Galway Alumni Awards recognise individual excellence and achievements among the university's more than 120,000 graduates. They boast an impressive roll call of more than 100 outstanding alumni who have gone on to make an impact in their chosen field, and in so doing, honour their alma mater. Among the distinguished honorees are President of Ireland, Michael D Higgins; Olympian Olive Loughnane; Rugby great Ciarán FitzGerald; Tony Award-winning actor, Marie Mullen; former Attorney General Máire Whelan; Aedhmar Hynes, former CEO of Text 100; and Adrian Jones of Goldman Sachs.

Alumni Award Winners

_



Nicola Coughlan Alumni Award for Arts, Literature and Celtic Studies

Actor Nicola Coughlan is best known for her roles as Clare Devlin in the Channel 4 sitcom Derry Girls, and Penelope Featherington in the Netflix period drama Bridgerton. She graduated from NUI Galway with a Bachelor of Arts in English and Classical Civilisation degree in 2008. Nicola grew up in Oranmore, Co Galway, and while studying at NUI Galway, she often featured with the university's drama society, Dramsoc. She trained in England at the Oxford School of Drama and Birmingham School of Acting and currently lives in London.

Listen to what the Derry Girls and Bridgerton actor had to say when she received her NUI Galway Alumni Award 2021 for Arts, Literature and Celtic Studies. www.youtube.com/watch?v=SVFDatjqPeY



Áine Ní Chonghaile
Alumni Award for Business and Commerce

Gaeltacht businessperson, Áine Ní Chonghaile graduated from NUI Galway with a BA in 1973, MA in 1985, and a PhD in 2020. She is the founder of the Connemara-based translation company Europus and received her training in the Translation Section of the Houses of the Oireachtas, Leinster House, Dublin, and spent over ten years on the legal translation team in the section. She was named Entrepreneur of the Year at the 'Business as Gaeilge' Awards ceremony and received a Fulbright Irish FLTA Award in 2019.

Listen to what she had to say when she received her NUI Galway Alumni Award 2021 for Business and Commerce. Full version here https://lnkd.in/eEsn_49b



Antoinette Cunningham Alumni Award for Law, Public Policy and Government

Antoinette Cunningham is General Secretary of the Association of Garda Sergeants and Inspectors (AGSI), having joined An Garda Síochána in 1991 and rising to one of the top jobs in Garda trade unionism. She is the first woman in its 43-year history to lead a Garda staff association in the role of General Secretary. Through her role with the AGSI, Antoinette represents the interests of 2,500 sergeants and inspectors, and was the first woman to serve at every executive level of the union. While working full-time with An Garda Síochána, Antoinette became a part-time student with NUI Galway, and graduated with a BA in 2010, and an MA in 2018.

Listen to what Antoinette had to say when she received her NUI Galway Alumni Award 2021 for Law, Public Policy and Government. Full version here https://lnkd.in/eb8dhyv5



Professor Mark Costello
Alumni Award for Engineering and Science and Technology

Professor Costello has led significant advances in understanding of marine biodiversity, including how it has responded to climate change at a global scale, gradients in diversity with latitude and depth, and improved estimates of how many species exist on Earth. Currently Professor in Marine Ecology at Nord University in Norway, he graduated from NUI Galway in BSc with a 1982. In 2021, he was awarded the Shorland Medal by the New Zealand Association of Scientists for leading development in the field of ocean biodiversity informatics, including the founding of two open access world databases - the World Register of Marine Species and Ocean Biodiversity Information System. In 2017, Professor Costello received New Zealand Marine Sciences Society Annual Award for Continued Outstanding Contribution to Marine Science in New Zealand. He has over 460 publications, including over 200 in peer-reviewed international journals, and has supervised over 60 graduates and students.

Listen to what Mark had to say when he received his NUI Galway Alumni Award 2021 for Engineering, Science and Technology. Full version here https://lnkd.in/eyAkbT6T.



Dr Colm Henry
Alumni Award for Medicine, Nursing and Health Sciences

Dr Colm Henry is Chief Clinical Officer in the Health Service Executive and has worked diligently in that role since taking it up in 2018. Since the onset of the Covid-19 crisis, he has been central in sharing information with the public, and offering advice on how best to stay safe. As a fluent Irish speaker, he has carried out this important work in both Irish and English. He graduated with a BA sa Ghaeilge Fheidhmeach in 2017.

Listen to what Colm had to say when he received his NUI Galway Alumni Award 2021 for Medicine, Nursing and Health Sciences. Full version here https://lnkd.in/eDhTpvbi



John PrentyAlumni Award for Contribution to Sport

A native of Ballyhaunis, Co Mayo, John Prenty graduated with a BA in 1974 and HDip in Education in 1975. In 1978 he became Chairman of local GAA club, Ballyhaunis, followed by Secretary of Mayo GAA Board and the first Full Time Secretary/CEO of Connacht GAA Council in 1995.

His current role oversees all GAA activities in the five counties of Connacht and its complement of 210 constituent clubs. The GAA President Larry McCarthy was at the Centre of Excellence in Bekan to officially cut the ribbon on the new NUI Galway Connacht GAA Airdome.

Listen to what he had to say when he received his NUI Galway Alumni Award 2021 for Contribution to Sport. Full version here https://lnkd.in/ebeWdbDH



Neansaí Ní Choisdealbha Gradam Alumni don Ghaeilge

Born and raised in Cor na Rón, Indreabhán, Co Galway, Neansaí graduated from NUI Galway with a BSc in 1983 and a HDip in Education in 1984. She joined Raidió na Gaeltachta in 1986, where she worked on audio for a number of years and then as technical supervisor on the project which digitised the entire station's archive in association with NUI Galway, Áras Mháirtín Uí Chadhain, Údarás na Gaeltachta and FÁS. In 2009, she was appointed Program Director with Raidió na Gaeltachta, and Music Organiser in 2010. She has been interested in traditional music from a young age and has presented a number of music series since 1989, including Ceol Binn ó na Beanna and Béal Maidine on Raidió na Gaeltachta. Neansaí is also a flute musician and has released two albums with Cló Iar-Chonnacht, Draíocht na Feadóige and An Tower. She was awarded a Pioneer award by Comhaltas Ceoltóirí Éireann in 2014, and her programmes have been recognised by the Celtic Media Festival.

Listen to what she had to say when she received her Gradam Alumn don Ghaeilge 2021. Full version here https://lnkd.in/eq8deksm

BioBanks - A Vital Resource for Research

NUI Galway is the academic partner of the Saolta University Health Care Group of teaching hospitals, serving the west and northwest regions of Ireland. Research and education are important aspects of a teaching hospital, with constant learning and researching in order to get the best treatments for patients and to improve patient care.

The Lambe Institute Cancer Biobank - a collection of biological samples and healthcare data donated by people for health research - provides an invaluable resource for this learning, allowing researchers to investigate how cancer develops, is diagnosed and treated.

Health research can take many years, with large numbers of people required to donate to get the best results. Biobanks can speed up research by having samples and healthcare data ready to use when researchers need them. It's well reported that hospitals that are active in research have better outcomes for all patients - not just those taking part in the research themselves - and has resulted in new tests for diagnosing diseases, improved treatments, and better quality of life for people living with illnesses. Just one example of a successful drug that was developed as part of a BioBank is Herceptin - a drug that's used to treat breast cancer.





The Lambe Institute at NUI Galway

_

For the last 7 years, the world-class Lambe Institute for Translational Research, alongside the Health Board (HRB) Clinical Research Facility, has been transforming patient lives.

Based in the heart of Galway's global medtech hub, the institute represents an innovative partnership between NUI Galway, Health Research Board, Saolta University Healthcare Group and Health Services Executive, supported by private philanthropy through Galway University Foundation.

Officially opened in 2015 by Taoiseach Enda Kenny the development of the building was supported by NUI Galway alumnus Dr Ronan Lambe and his wife Ann Lambe, as well as Bank of Ireland, the National Breast Cancer Research Institute, Mayo Pink Ribbon and the Corrib Medical Network, a dedicated group of medical alumni at NUI Galway.

This facility represents the nexus of research and its translation into the clinical setting. It is the point at which 'bench' meets 'bedside'. Clinical and scientific researchers aligned to NUI Galway's strategic priority areas of cancer and medical device technology work on the upper two levels in the Lambe Institute for Translational Research. On the lower two levels, these scientific advances are carefully applied in a clinical setting in the HRB Clinical Research Facility (HRB CRFG).

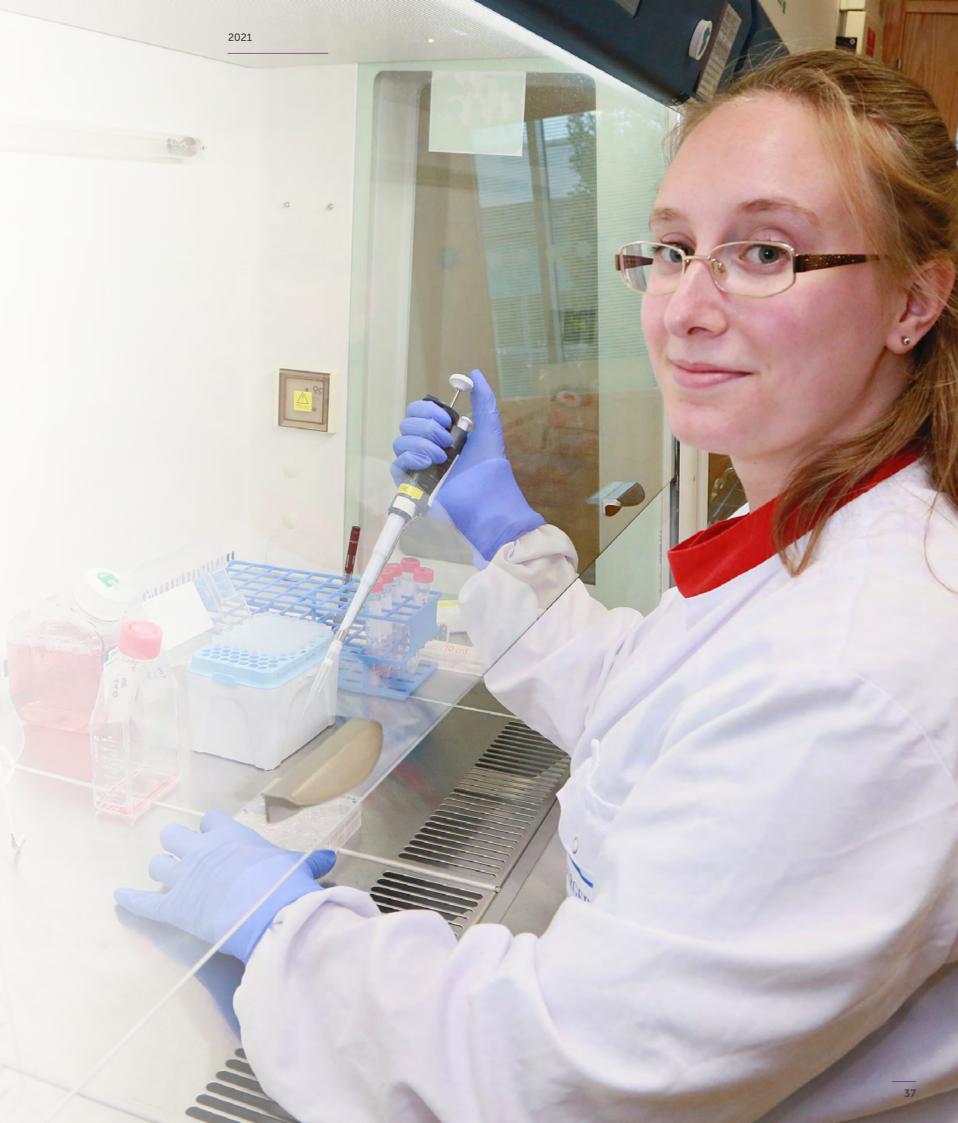
As NUI Galway's profile as a centre of biomedical research continues to grow, with research groups such as CÚRAM, REMEDI, CCMI (Centre for Cell Manufacturing Ireland), BCR and many others making major contributions to pressing medical challenges, the Lambe Institute continues to be a cutting edge national and international resource.

Currently, clinical trials are underway involving people with cancer, diabetes, including gestational diabetes, cardiovascular disease, amongst others.

Some examples of the types of studies undertaken in the Lambe Institute for Translational Research include:

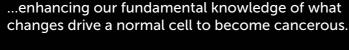
- Predicting the risk of breast cancer due to inherited characteristics;
- Stem cell trials to help improve blood flow in legs of diabetic patients and prevent amputation
- Clinical trials in blood cancer patients to establish whether new treatments can be combined with existing treatment for better outcomes
- How implantable **medical devices** can provide new solutions for patients.

Since 2015 the number of research groups has grown, and connections and collaborations have flourished; growth that would not have happened without this collaborative facility, integrating over 100 researchers - scientists, clinicians and engineers - in one space. At the epicentre of the Lambe Institute mission is patient-focussed research. The Lambe Institute provides the translation research space for postgraduate programmes, fostering biomedical research and education at student level, thus future proofing research-driven clinical practice, science and engineering.



Meet the Lambe Institute Research leaders

Dr Emer BourkeMolecular Mechanisms of
Cellular Invasion group



Survival rates from breast cancer have improved significantly due to targeted treatments; however for more than 1 in 8 patients who are diagnosed with the triple negative subtype, the outlook remains poor.

It has been found that triple negative tumours have high levels of extra centrosomes and the Bourke lab investigates if drugs designed to target cells with extra centrosomes are effective in killing these triple negative tumour cells. Specifically targeting extra centrosomes means healthy cells are unharmed.

The Bourke lab actively collaborates with multidisciplinary groups across Ireland (NUI Galway, Royal College of Surgeons and University College Dublin). An important collaboration is the development of a new, simple animal model to study the effects of new drugs. Using this model, the Bourke group also collaborates with Dr Susana Godinho, (Barts Institute, London). The development of this new tool to test drugs on breast tumour tissue in a living system in advance of treatment in the patient is a significant step towards personalised, precision medicine in which each patient can be treated differently and specifically, based on individual characteristics of their tumours.

This work focuses on breast cancer, and specifically the mechanisms allowing breast cancer cells to metastasise to other parts of the body, ultimately causing patient death. Understanding these mechanisms, and how to disrupt them in cancer, allows the Bourke group to test new treatment options that one day may save patients.

The molecular research focus is on a cell structure called the centrosome, which controls the accurate division of one cell into two. Cancer cells contain damaged genetic material (DNA) and this damage directly triggers production of excessive centrosomes (over 2 per cell) in these cells. Extra centrosomes directly disrupt the cell shape and the Bourke lab studies exactly how extra centrosomes lead to changes in the structure of tumour cells, contributing to their movement away from the original tumour and spreading around the body (metastases).

"the Bourke lab investigates if drugs designed to target cells with extra centrosomes are effective in killing these triple negative tumour cells."

Prof Sharon Glynn Associate Professor in Pathology (GlynnLab)



The GlynnLab focuses on understanding how inflammation and redox mechanisms contribute to the development and progression of breast and prostate cancers.

The laboratory takes a translational approach, moving between patient studies and the laboratory to identify key targets and to explore their role in cancer biology. Recent findings from the GlynnLab have shown that patients with triple negative breast cancer who have elevated levels of the NOS enzyme have a higher risk of developing metastasis and treatment resistance.

With collaborators at Houston Methodist Hospital and the National Institutes of Health (NIH), the GlynnLab is involved in a new NIH funded clinical trial led by Dr Jenny Chang at Houston Methodist Hospital in Texas. The trial will assess NOS-targeted therapeutics in women with advanced triple negative breast cancer (TNBC) in three US-based hospitals. In the field of prostate cancer, the GlynnLab currently has a clinical study underway in collaboration with Mr Garrett Durkan in Urology at Galway University Hospital (GUH). This clinical study is examining the potential of a novel biomarker to predict a diagnosis of prostate cancer in men who present at GUH with elevated PSA (Prostate Specific Antigen). The GlynnLab is currently exploring expansion into the field of multiplexed digital pathology which has the potential to radically improve patient diagnostics and our understanding of tumour biology.

The GlynnLab has active ongoing collaborations with **Curam** and the National Prostate Cancer Research Consortium. The GlynnLab has received funding from multiple sources including the GUF, the Rachel Kenneally Friends and Family TNBC research fund at GUF, Science Foundation Ireland, Cancer Care West, Breast Cancer Now and the Irish Cancer Society.

Prof Seán Hynes
Discipline of Pathology,
University of Galway
- Tumour Stromal
Interactions



The ability to spread is a cancer's biggest threat to the patient, altering their treatment and prognosis.

Within a patient, before a cancer spreads, there is a "soil" (stroma & immune cells) and "seed" (tumour) relationship between cancer cells and the patient's normal cells. The interactions between the cancer cells, patient's immune cells and even the surrounding connective tissue are all important factors determining how a cancer can spread.

The use of immunotherapy in cancer to achieve better survival is based on this "soil and seed" hypothesis, which although not new, has entered a new era with more advanced image analysis now available to examine it fully.

Professor Seán Hynes's research has focused on digital tissue analysis of the relationship between host elements and cancer cells with high quality histopathological annotation due to his clinical practice as pathologist. In addition, he also has a clinical research interest in the use of digital algorithms to enhance cancer diagnosis.

Professor Hynes's research is also collaborative with other groups in the Lambe Institute, providing high quality histopathological tissue analysis in a variety of disease states - both cancer and non-cancer including colorectal, breast and lung cancers, as well as diabetes, wound repair and cardiovascular disease

Prof William WijnsProfessor in Interventional
Cardiology



Professor Wijn's research efforts are targeting the development and validation of innovative techniques in interventional medicine.

Prof Wijns and his team are committed to the development and evaluation of novel device-based therapies for cardiovascular diseases. These include invasive and non-invasive physiological measurements and imaging, drugeluting stents and applications of multi-detector coronary CT angiography.

Professor Wijns is the director of the Smart Sensors Lab, a technical group at the Lambe Institute for Translational Research. This team brings together biomedical engineers, electronic engineers, and clinical specialists to advance methods to characterise vulnerable plaques to prevent Major Adverse Cardiovascular and Cerebrovascular Events (MACCE).

Prof Wijns is also conducting clinical trials to assist in the development of personalised medicine for vulnerable populations such as diabetes and oncology patients who are at greater risk of MACCE. Smart sensors and sensor technology are being developed to enable the monitoring of vulnerable patients for physiological and biochemical markers that signal cardiovascular stress. These will help the prediction of imminent MACCE and ultimately reduce the incidence of MACCE occurrences.

Professor Wijns has served the European Society of Cardiology (ESC) in various positions, including Vice-President, Chairman of EU Affairs, Scientific Program Chair and President of the European Association of Percutaneous Cardiac Intervention (EAPCI) of the ESC.

Prof Timothy O'Brien Academic Endocrinologist



Diabetes Mellitus (DM) is the most common cause of blindness, end stage renal disease and amputation in the world.

Professor O'Brien is interested in the use of advanced therapy medicinal products such as genes and cells to treat the complications of DM, a condition which is estimated will affect 700 million people globally by 2030.

Prof O'Brien is interested in the use of cells, genes and genetically modified cells to treat these complications. His research efforts are translational in nature, with basic laboratory work being used to populate regulatory dossiers to seek approval for early phase clinical trials.

The cell therapy focus of his laboratory is on mesenchymal stromal cells, endothelial progenitor cells and induced pluripotent stem cells. This work has resulted in phase 1 and 2 clinical trials in diabetic foot ulcers, critical limb ischemia and diabetic kidney disease. These trails have been supported by grants from the HRB, SFI and EU. The research group has also focused on mesenchymal stromal cell manufacture to enable clinical trials. This work is done with the Centre for Cell Manufacturing Ireland (CCMI), the Galway Blood and Tissue Establishment and the HRB Galway Clinical Research Facility.

The PI is also interested in the development of next generation advanced therapy medicinal products such as combinatorial cell therapy, genetically modified cells and use of biomaterial scaffolds as delivery vehicles.

He has recently shown that combinations of endothelial progenitor cells and mesenchymal stromal cells enhance blood flow recovery in the ischemic limb more effectively than either cell alone. He is also working on cell/biomaterial combinations in which the biomaterial serves not just to deliver the cells but also modulates cell behaviour and enhances therapeutic efficacy.

Dr Róisín Dwyer Associate Professor in Translational Science, Discipline of Surgery [DwyerLab]



Despite advances in detection and therapy for breast cancer, patients diagnosed with advanced disease have limited treatments and no curative options.

The DwyerLab team focuses on understanding cell signaling in breast cancer, with a view to harnessing this knowledge for development of targeted treatments for disease that has spread to multiple sites.

The DwyerLab group includes postgraduate and postdoctoral researchers working with breast cancer patients and a network of scientists and clinicians in the Lambe Institute for Translational Research. Multidisciplinary collaboration is key to the team's work. This is facilitated through involvement in research consortia such as Cúram and Precision Oncology Ireland and working with industry partners and international collaborators. The research is funded through multiple sources including the National Breast Cancer Research Institute (NBCRI) and Science Foundation Ireland (SFI). The team is actively involved in science outreach and routinely communicates research progress with patients, school children and the general public.

"The Dwyer Lab group is actively involved in science outreach and routinely communicates research progress with patients, school children and the general public."



Prof Michael Kerin Professor of Surgery at NUI Galway and cancer specialist



Prof Michael Kerin's research, based at the Lambe Institute, focuses on the molecular profiling of breast cancer, cancer risk prediction, management of cancer patients and services.

As an academic-clinician he deals first hand with patients in the Symptomatic Breast Unit at University Hospital Galway (UHG) and knows first hand the impact research makes. Professor Kerin is Research Director of the **National Breast Cancer Research Institute** (NBCRI), a major contributor to research and development at the Lambe Institute and Director of the Cancer Managed Clinical Academic Network in the Saolta University Health Care Group, overseeing cancer services across the seven hospitals in the west and northwest of Ireland. The Saolta University Cancer Centre is entering into a Comprehensive Cancer Centre OECI accreditation process, which will ensure patients in this region can access high-quality cancer care, underpinned by research and education, with reputational benefit to NUI Galway.

Professor Kerin is principal investigator with the Science Foundation Ireland (SFI)-funded €11.9 million, national, collaborative cancer centre **Precision**Oncology Ireland, and the Centre for Research Training in **Genomics Data**Science. National Breast Cancer Research Institute is a charity partner of these centres. Previously, his team in the Lambe Institute was the NUI Galway partner in the Irish Cancer Society BREAST-PREDICT Collaborative Research Centre. National Breast Cancer Research Institute is a charity partner of these centres, which have enabled cancer projects and cancer researchers to develop and showcase the multidisciplinary cancer expertise that exists in NUI Galway.

The Lambe Institute's co-location with the **Clinical Research Facility Galway (CRFG)** has enabled Professor Kerin to lead a *Cancer Trials Ireland* translational trial monitoring, circulating miRNAs in response to chemotherapy, and the SATIMO Microwave Imaging trial. In 2022, he will lead the Wavelia Microwave Breast Imaging clinical investigation.

Professor Kerin's team actively collaborates with the Notre Dame Harper Cancer Research Institute through the **Biseach Initiative**, the University of Cambridge Breast Cancer Association Consortium, the All-Island Cancer Research Institute (AICRI) and the **CORRIB Core Lab** Cardio-oncology P-CORE Research group.

Professor Stewart Walsh Chair of Vascular Surgery at NUI Galway and Consultant Vascular Surgeon at Galway University Hospital



Professor Walsh conducts research aimed at improving the care of patients suffering from vascular disease, both venous and arterial.

Prof Walsh's research activity mainly comprises randomised clinical trials, which seek to compare alternative approaches to the management of patients with common vascular conditions such as venous leg ulceration. Venous leg ulcers affect 1 percent of the adult population at any given time and places significant burdens on healthcare systems worldwide.

Professor Walsh's clinical research team has demonstrated the impact a specialised leg ulcer unit achieves for these patients, providing rapid access to specialist assessment and treatment. The service has reduced unplanned hospital admissions due to lower limb ulceration by about 50 per cent across the west of Ireland. Patients are now seen on average within three weeks of referral, with same day diagnostics and access to ambulatory venous procedures.

Recent clinical trials have aimed to optimise ambulatory interventional procedures for venous patients, reducing periprocedural discomfort and identifying the best procedure for certain situations. Several trials are being conducted with international collaborators in Singapore and London. Professor Walsh's team have also been involved in the design and conduct of several 'first-in-human' device trials, both from NUI Galway spinout companies (e.g. Vetex) and international companies (e.g. Huntleigh Healthcare).

"The service has reduced unplanned hospital admissions due to lower limb ulceration by about 50 per cent across the west of Ireland"



Dr Laura Barkley
Cancer Biologist and Pl
in the Lambe Institute for
Translational Research



"Cancer causes 9,000 deaths per year making it the biggest killer in Ireland"

Discovering a way to identify and safely target cancer stromal cells is a key goal in cancer medicine.

Cells that surround cancer cells, called stromal cells, are receiving increased attention for their role in causing and maintaining cancer growth, metastasis and chemo-resistance. Certain stromal cells within the tumour microenvironment also protect cancer cells from immune attack by the patient's own immune system. Therefore, discovering a way to identify and safely target cancer stromal cells is a key goal in cancer medicine.

The aim of Dr Laura Barkley's work is to discover patient-relevant cancer/stromal signatures that will unravel disease mechanisms and help us understand why individuals respond differently to cancer treatments. Due to the existence of the Cancer Biobank at the Lambe Institute for Translational Research, it is in the fortunate position of having the ethics in place to obtain cancer tissue and blood from breast and lung cancer patients and related clinicopathological information from these patients. Dr Barkley's work is focussed on establishing patient-derived models that accurately recapitulate the patient's tumour, enabling the team to study the interplay between cancer cells and other cells within the tumour microenvironment.

Using these unique, innovative approaches, Dr Barkley and her team aim to answer questions such as;

- Can key antigens/molecular pathways that have been identified to be upregulated in patient-relevant models be used as prognostic or diagnostic tools to diagnose patients earlier and better stratify patients into more effective treatment groups?
- Can these antigens/molecular pathways be therapeutically targeted, reducing tumour growth, metastasis and immunosuppression within the tumour microenvironment?

To facilitate this research program, the institute has a multi-disciplinary team of scientists, clinicians, bioinformaticians and SME partners who are specialised in the areas of cancer biology, immunology, surgery, RNA-seq and biostatistics with a focus to develop more precise, predictive and preventative medicine that will have a real and measurable impact on outcomes for cancer patients.

NBCRI Related Research



220 research publications

produced from NBCRI support, advancing the global understanding and knowledge around breast cancer



50 postgraduate

clinical and scientific researchers have graduated



100 undergraduate

medicine and science students have been supported as part of the NUI Galway School of Medicine summer research programme

Dr Aideen Ryan
Galway University
Foundation Senior
Research Lecturer in the
School of Medicine



The Ryan Tumour Immunology translational research group focuses on understanding how to harness the immune system to treat cancer.

Based in the institute, the group works in an interdisciplinary environment involving immunologists, cancer researchers, surgeons and gastroenterologists.

The research is focussed on understanding how the tumour microenvironment influences immune responses. Immunotherapies for the treatment of cancer have revolutionised the field of oncology and have shown remarkable success in some cancers. Immunotherapy success has been very limited in some cancers, as it is thought that the reason that some patients do not respond is because the cancer has adapted to hide from the immune system and evade recognition and clearance by the patient's immune system.

The Ryan Tumour Group's research aims to understand how cancer cells communicate with immune cells in cancer and change their function. It takes a translational approach to assess diverse ways to target and analyse immune responses in cancer, using discoveries made in its lab to inform new treatment combinations and clinical trial approaches to activate the immune system.

The Ryan Tumour Group has led the translational studies of two recent clinical trials – CyBorD and CPD-DARA – which have provided rationale for new drug combinations to improve responses to immunotherapy, identified in the group's laboratory. Cancer patients in these trials have access to novel immunotherapies that are not yet available in Ireland. These trials were the focus of a public awareness campaign by the Irish Cancer Society to raise awareness of ground-breaking immunotherapy clinical trials for Irish cancer patients. The group trains research students through structured PhD programs, working with multiple international and industry collaborators, where it aims to develop novel strategies and therapy combinations to enhance immunotherapy responses in cancer patients.

The Ryan Lab is part of national consortia, including Blood Cancer Network of Ireland (BCNI) and CURAM and is funded by Science Foundation Ireland (SFI), Health Research Board (HRB), Lifetime CDT Programme, Janssen, Celgene and Bristol Myers Squibb.

"(the) research aims to understand how cancer cells communicate with immune cells in cancer and change their function"

Prof Martin O'Halloran and Dr Adnan Elahi Translational Medical Device Lab





The Translational Medical Device Lab (TMD-Lab) is Ireland's first medical device lab to be embedded in a regional hospital and colocated with a clinical trials facility in the Lambe Institute.

The TMD-Lab is led by Prof Martin O'Halloran and Dr Adnan Elahi, and is focused on developing technology that can have a real and tangible impact on patient care.

Since 2015, the TMD-Lab has been co-inventor on 27 medical device patents, almost all of which have now been licensed to medical device companies. The lab has also produced a number of medical device spin-out companies (10 in total since 2015) in clinical areas ranging from cancer, cardiology and women's health. These include:

- Luminate Medical, a Y Combinator-funded company, develops technologies to reduce the side effects of chemotherapy for cancer patients. It was selected by European Institute of Innovation and Technology (EIT) health as European Medtech Start-up of the Year 2019.
- Symphysis Medical develops technologies for cancer patients with pleural effusions. This company was recently awarded the Medtech Innovator Award 2022.
- Aurigen Medical is developing a non-thermal therapy for cardiac a-fib. Its technology has the potential to reduce surgical treatment time for a-fib by 50%. This company has raised over €10m in seed investment and is progressing to a first-in-human study in 2023.
- Relevium Medical is developing a novel therapy for knee osteoarthritis pain. The team was awarded Science Foundation Ireland (SFI's) €1m Prize for scientific innovation in 2019, and has since secured €2.5m in funding via the European Innovation Council in 2022. Its first-in-human study will begin in 2025.

From an academic perspective, the lab has produced ten PhD graduates since 2015, and was awarded Start-up Lab of the Year in 2016. The lab's director, Prof Martin O'Halloran, was awarded SFI's Early Career Researcher of the Year 2016, and the inaugural Irish Research Council Researcher of the Year 2018.

The Board

_

Irish Board*

- Professor Ruth Curtis, Board Chair, Professor Emeritus, NUI Galway
- Professor Ciarán Ó hÓgartaigh, President, NUI Galway
- Deirdre Courtney, Partner, Augustus Cullen Law LLP
- Dr Eamon Gilmore, EU Special Representative for Human Rights
- Dr John Hegarty, Provost Emeritus, Trinity College Dublin
- Brendan Jennings, former Chief Executive, Deloitte Ireland
- Catriona O'Farrell, former Chief Executive, Fintrax

US Board*

- Michael Higgins, Board Chair
- Professor Ciarán Ó hÓgartaigh, President, NUI Galway
- Joseph Cassin, Senior Partner, Cassin & Cassin LLP
- Dr Joseph D'Alton, Physician
- Dr Irial Finan, Board Chair, Smurfit Kappa
- Aedhmar Hynes, Board Director, Rosetta Stone, Inc, The IPO Group plc & Tupperware
- Adrian Jones, Managing Director, Merchant Banking Division, Goldman Sachs

- Seamus Kavanagh, Vice President, Research & Development, Hollister
- Sean Lane, Senior Private Banker, Morgan Stanley Wealth Management
- Moyra Malone, Senior Research Engineer, Stanford Research Institute
- James McGlennon, CIO & Senior Vice President, Liberty Mutual
- William O'Connor, Partner, Holland & Knight LLP

*Board Members as at 31 December 2021



Governance & Finance

Finance

Please see below an abridged version of the Foundation's Consolidated Financial Statements for the Year Ended 30 September 2021 (a full copy of the financial statements, prepared under the Charities Statement of Recommended Practice, including Directors' Report and independent Auditor's Report is available on our website, www.guf.ie).

In 2020, the Foundation amended its period end date to 30 September from 30 June to align with that of NUI Galway, its beneficiary organization. Therefore, income and expenditure amounts noted in the prior period cover 15 months in FP2020. The current year covers the 12 months ended 30 September 2021.

Statement Of Financial Activity

For the Year Ended 30 September 2021

	2021 (12 months) €	2020 (15 months) €
Donor Income	2,290,276	3,722,468
Interest & Investment Income	979,892	(63,548)
Gain on Investments at fair value	10,195	726,673
Total Income	3,280,363	4,385,593

Total Expenditure	(2,900,930)	(6,195,247)
Charitable activities	(2,938,325)	(5,702,092)
Other Movements	176,103	(17,063)
Raising funds	(138,708)	(476,092)
Expenditure on:		

Net movement in funds	379,433	(1,809,654)
Other recognised gains/(losses) Foreign exchange movement	6,763	(20,497)
(Deficit) / Surplus for the Year	386,196	(1,830,151)
Total Opening Funds	10,019,725	11,849,876
Total Closing Funds	10,405,921	10,019,725

Statement Of Financial Position

As at 30th September 2021

	2021 €	2020 €
Intangible Assets	0	4,250
Financial Assets	3,506,060	6,072,470
	3,506,060	6,076,720

198,452	178,809
9,350,755	8,554,019
9,549,207	8,732,828
(2,649,346)	(4,789,823)
6,899,861	3,943,005
10,405,921	10,019,725
	9,350,755 9,549,207 (2,649,346) 6,899,861

Funds		
Restricted Funds	9,358,960	8,935,303
Unrestricted Funds	84,098	85,648
Designated Funds	962,863	998,774
	10,405,921	10,019,725

Charities SORP

The Foundation's financial statements were prepared in accordance with the formats provided for in the Charities Statement of Recommended Practice (SORP). Please view the full financial statements on our website for details. The financial statements have been submitted to the Companies Registration Office, the Charities Regulator and the Revenue Commissioners in line with statutory requirements.

Governance

In 2021, the Foundation complied with the Charities Regulator's Charities Governance Code. The Foundation reviews its compliance with the Code on an ongoing basis. The Foundation continues to monitor evolving corporate governance in the charitable sector.



Company Information

Ireland
Galway University Foundation CLG
The Gate Lodge
University Road
Galway

Tel +353 91 493536 Email foundation@nuigalway.ie Web www.guf.ie

Galway University Foundation is a company limited by guarantee. Company registration No279868 Registered Charity No20038823 CHY No12894

United States Galway University Foundation, Inc 243 Fifth Avenue, # 111 New York, NY 10016

Tel 917 6754790

Galway University Foundation, Inc is a registered not-for-profit 501(c)3 entity. Federal ID 30-0099346

Company Secretary Dónal Cahalane Auditors Mazars, Salthill, Galway Solicitors Arthur Cox Solicitors, Dublin Bankers Bank of Ireland and AIB Bank Investment Managers Sarasin & Partners LLP