Staff with an affiliation to a research institute/centre are listed under their respective school or department.

Trinity Research Institutes

CENTRE FOR RESEARCH ON ADAPTIVE NANOSTRUCTURES AND NANODEVICES (CRANN)

The Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN) comprises a team of three hundred researchers from over forty-five different countries, led by eighteen principal investigators and seventeen investigators, each of whom is an internationally recognised expert in his/her field of research. CRANN principal investigators are based across multiple disciplines including physics, chemistry, medicine, biochemistry and immunology, engineering and pharmacy. CRANN works at the frontiers of nanoscience developing new knowledge of nanoscale chemical and physical phenomena, with a particular focus on new device and sensor technologies for the ICT, biotechnology and medical sectors.

CRANN has two state-of-the-art buildings both custom designed and constructed for the purpose of leading edge nanoscience research. The Naughton Institute is a 6000m² research facility on the campus of TCD. The CRANN Advanced Microscopy Laboratory (AML) was completed in 2009. This facility on Pearse Street houses Ireland's most advanced microscopy instrumentation, enabling Ireland to compete internationally in this capability.

Through the SFI funded Centre for Science, Engineering and Technology (CSET), CRANN had a specific remit to work with industry. This lead to CRANN leading the €58 million AMBER (Advanced Materials and BioEngineering Research) centre award, where TCD, UCC, and RCSI researchers partner with industry to collaboratively address materials related research programs. This award is SFI funded, based on industry direct cash and in-kind contribution. CRANN has been very successful in obtaining non-Exchequer funding (e.g. European Union Frameworks, H2020, EIC KIC) that enabled the establishment of an extensive academic partnership network involving over a hundred European universities and one hundred and sixty universities globally.

On a national basis CRANN lead the INSPIRE consortium (www.inspirenano.com) comprised of the foremost nanoscience researchers in Ireland based across eight academic institutions. CRANN, in partnership with the Tyndall National Institute, co-hosts the Competence Centre for Applied Nanotechnology (CCAN). Funded by Enterprise Ireland and the Industrial Development Agency, CCAN enables research provider organisations to partner on industry defined research programmes and includes both leading multi-nationals such as Intel and Analog Devices and indigenous Irish companies such as Creganna and Proxy Biomedical.

CRANN has been funded predominately by Science Foundation Ireland and has also obtained competitive funding from the Higher Education Authority, Enterprise Ireland, industry, the EU Commission, and philanthropic sources, notably Dr Martin Naughton.

See http://www.crann.tcd.ie.

Director

Stefano Sanvito, CAV. DELL'ORDINE DELLA STELLA D'ITALIA, LAUREA (MILAN), PH.D. (LANC.), M.R.I.A., F.T.C.D. (2006) Deputy Director

John Francis Donegan, B.SC. (N.U.I.), M.A., M.SC. (N.U.I.), PH.D. (N.U.I.), C.PHYS., F.INST.P., F.T.C.D. (2000) Executive Director

Lorraine Byrne, B.Sc. (D.C.U.), PH.D. (D.C.U.), P.G.CERT. NANOTECHNOLOGY (OXON.), M.R.S.C., M.A.C.S. General Manager for Operations

Colm McAtamney, B.SC. (N.U.I.), M.SC. (D.C.U.), DIP. APPLIED PROJECT MGMT (N.U.I.)

Business Development Manager

Keith Alden, B.SC. (N.U.I.), PH.D. (N.U.I.)

Calendar 2017-18

Intellectual Property Contracts and Commercialisation Manager Brian Callagy, B.E. (N.U.I.), M.SC. (LOND.), M.B.A. (N.U.I.), H.DIP. QUALITY ASSURANCE (N.U.I.) Project Manager James Dovle, B.A., PH.D. E.U. Grants Manager Emma Leahy, B.A. (LIMERICK), M.A. (LIMERICK), GRAD. DIP. BUSINESS ADMINISTRATION (LIMERICK) Funding Manager Deirdre Caden, B.SC. (N.U.I.), M.SC. (WALES) Communications. Outreach and Public Affairs Manager Mary Colclough, B.SC. (HUM. NUT.), M.A. (OPEN), P.G.DIP. I.T. (D.C.U.) Head of Research Infrastructure and Facilities Cathal McAuley, B.SC. (OPEN), M.SC. (LIMERICK) Education and Public Engagement Officer Rachel Kavanagh, M.A., M.SC. (N.U.I.), PH.D. Accounts Administrators Jacqueline Ballantine-Armstrong, M.A. Tracy Byrne Administrative Officers Carol McCaffrev Mary McCarthy, B.AGR.SC. (N.U.I.), M.AGR.SC. (N.U.I.) Senior Experimental Officer Jing Jing Wang, B.ENG. (TSINGHUA), M.SC. (PEKING), PH.D. (LEEDS) Experimental Officer Colm Faulkner, B.SC. (BELF.), PH.D. (DURH.) Senior Technical Officer Michael Finneran, DIP.ENG. (H.E.T.A.C.) Visiting Research Fellows Ryan Enright, B.ENG. (LIMERICK), PH.D. (LIMERICK) Ronan Frizell, PH.D. (LIMERICK) Paul King, B.A., PH.D. Brian Kelly, B.SC. (D.C.U.), PH.D. Mustafa Lotya, B.A., PH.D. Ian Mathews, B.ENG. (N.U.I.), M.SC. (LOUGH.), PH.D. (N.U.I.) Ashok Kumar Nanjundan, PH.D. (PUKYONG N.U.) Kevin Nolan, B.ENG. (LIMERICK), PH.D. (LIMERICK) Rudi O'Reilly-Meehan, B.ENG. Irina Pascu, B.ENG. (U.M.F. IASI), M.ENG. (D.C.U.), PH.D. (D.C.U.) Atul Thorat, M.SC. (PUNE), PH.D. (N.U.I.) Leping Yan, PH.D. (MINHO)

THE TRINITY LONG ROOM HUB

The Trinity Long Room Hub (TLRH) is the research institute for the arts and humanities at Trinity College Dublin. Founded in 2006, the TLRH is comprised of a community of researchers drawn from the university's nine arts and humanities schools as well as the Trinity College Library. It is dedicated to supporting research excellence and advancing interdisciplinary research in the arts and humanities. It is also committed to promoting the importance of this research for society and raising the profile of Trinity's arts and humanities internationally. It organises the work of the institute around a number of key research themes and supports the delivery of research on major questions facing society through a variety of means such as international visiting research fellowships, competitive research funding, hosting over 200 research related events and activities a year, and supporting forty-four of its partnering schools research students and postdoctoral fellows each year.

See http://www.tcd.ie/trinitylongroomhub/.

Director

Jane Helen Ohlmeyer, M.A. (ST AND., ILL., DUBL.), PH.D., F.R.HIST.S., M.R.I.A., F.T.C.D. (2005) Institute Manager Caitriona Curtis, B.A. (N.U.I.), PH.D. (N.U.I.), H.DIP.ED. (N.U.I.) Research Programme Officer Maureen Burgess, B.COMM. (N.U.I.), P.G.DIP. INTERNATIONAL BUSINESS DEVELOPMENT (D.I.T.) Communications Officer Aoife King, B.SOC.SC. (N.U.I.), M.SC. (EDIN.), P.G.DIP. INTERNATIONAL BUSINESS DEVELOPMENT (D.I.T.) Project Officer, Parthenos Project Deirdre Byrne, B.SC. (N.U.I.), M.SC., DIP. PROJECT MANAGEMENT (D.B.S.) Research Fellow Georgina Nugent-Folan, B.A., PH.D. (European Research Council) Visiting Research Fellows Alexander Bubb, B.A. (OXON.), M.ST. (OXON.), D.PHIL. (OXON.) Meltem Gürle, B.A. (BOSPHORUS), M.A. (BOSPHORUS), PH.D. (BOSPHORUS) Deborah Thorpe, B.A. (BIRM.), M.ST. (OXON.), PH.D. (YORK)

TRINITY BIOMEDICAL SCIENCES INSTITUTE (TBSI)

The Trinity Biomedical Sciences Institute (TBSI) is an innovative and interdisciplinary initiative whose work leads to scientific discoveries of biomedical importance, ultimately giving rise to improvements in human health and patient care. The mechanistic basis for a range of diseases is under investigation, including infectious and inflammatory diseases such as arthritis, asthma/allergy and type 2 diabetes, neurological diseases such as motor neurone disease and multiple sclerosis, and different forms of cancer. Bioengineering research is also carried out and includes corneal tissue regeneration, bone joint repair, replacement heart valves and neural engineering.

TBSI is the largest Trinity research institute, where over seventy principal investigators and their teams carry out research, including one hundred and twelve postdoctoral researchers and two hundred and thirty postgraduate researchers, drawn from five Schools and two Faculties – Biochemistry and Immunology, Chemistry, Engineering, Medicine, and Pharmacy and Pharmaceutical Sciences. Three centres have been established in TBSI – the Centre for the Study of Immunology (CSI), Centre for Cancer Drug Discovery (C2D2) and Centre of Medical Device Technologies (CMDT). Research programmes are carried out in a state-of-the-art facility designed to maximise interaction and facilitate co-operation. The institute has established a wide range of core technologies of the highest standard, including nuclear magnetic resonance spectrometry (NMR), biological transmission electron microscopy (TEM), x-ray crystallography, mass spectrometry, flow cytometry, confocal microscopy, and transgenics. A category 3 facility is available for research into hazardous biological agents such as HIV and hepatitis C.

TBSI also houses significant biomedical teaching facilities, including lecture theatres, seminar rooms and teaching laboratories. Over eleven hundred undergraduates per year attend classes in TBSI, including senior sophister students of biochemistry and immunology and preclinical students of medicine. Over ninety students undertake M.Sc. courses including bioengineering and immunology.

TBSI aims to foster a spirit of interaction, exploration and collaboration on the frontiers of biomedical research, such that truly ground-breaking discoveries can be made. TBSI researchers collaborate extensively with researchers in other institutions throughout the world. The institute also supports spin out companies and is working with several pharmaceutical and medical device companies.

TBSI enables researchers to continue to perform at the highest level, copper-fastening Trinity's place as a leading international scientific university.

See http://www.tcd.ie/biosciences/.

Academic Director Orla Hardiman, B.Sc. (N.U.I.), M.B. (N.U.I.), M.A., M.D. (N.U.I.), F.R.C.P.I., M.R.I.A., F.T.C.D. (2015)

Calendar 2017-18

Executive and Technical Director Anthony Byrne, B.E. (N.U.I.), M.ENG.SC. (N.U.I.) Research Programme Officer Hayley Furlong, B.Sc. (N.U.I.), PH.D. (D.I.T.)

TRINITY COLLEGE INSTITUTE OF NEUROSCIENCE (TCIN)

The Trinity College Institute of Neuroscience (TCIN) is a Trinity research institute with about fifty Principal Investigators (PIs) and 250 researchers from a wide range of disciplines including psychology, psychiatry, physiology, pharmacology, medicine, biochemistry, engineering, and genetics, among others. These diverse disciplinary origins contribute to its core activities: promoting and supporting interdisciplinary basic and translational research, as well as teaching, public engagement, and national leadership in neuroscience.

The administrative and scientific hub of TCIN is based in the Lloyd Building on the Trinity College campus. The Lloyd Building houses several TCIN-managed advanced research technologies, including two high-field human and small animal magnetic resonance imaging (MRI) systems. TCIN PIs use and maintain preclinical cell and animal models, as well as molecular, cell biological, biochemical, behavioral, physiological and genetic technologies to study both humans and model organisms.

The institute provides a gateway for internal and external connectivity between basic and applied neuroscience. TCIN facilitates access to advanced research and diagnostic technologies as well as to patient populations, biosamples, and genotyping required for translational neuroscience, which prominently and deeply involves clinical PIs based in St James's, St Patrick's and Tallaght hospitals. St James's additionally houses CAMI, a clinical neuroimaging facility as well as the Wellcome Trust/Health Research Board clinical research facility for clinical trials.

TCIN houses strong research programmes funded by Science Foundation Ireland, the Wellcome Trust, the Health Research Board, the European Research Commission/Horizon 2020 framework programmes, as well as multiple philantropic and industrial sponsors. In 2016, Trinity College Dublin launched the Global Brain Health Institute (GBHI), a major collaboration between Trinity College Dublin and the University of California San Francisco led in Ireland by TCIN PIs Brian Lawlor and Ian Robertson. This highly collaborative, training and research programme, created through a \$170 million investment from Atlantic Philanthropies, aims to prevent and improve management of global dementia. It has the recruitment of outstanding new PIs, as well as increased focus on the cognitive ageing.

TCIN currently has over eighty registered Ph.D. students engaged in advanced research. In addition, it educates eighteen postgraduate students annually, who graduate with an M.Sc. in Neuroscience (the only one in Ireland). TCIN PIs teach an interdisciplinary undergraduate programme leading to a B.A. (Mod.) in Neuroscience. The institute hosts a popular public lecture series annually, and it has initiated and participated in major exhibitions in Trinity College's Science Gallery. New initiatives are planned in neuroscience teaching as well as in collaborations with humanities, social sciences and public engagement, funded in part through a new Wellcome Trust Institutional Strategic Support Fund award that is coordinated and managed by TCIN.

The institute supports and connects strengths in different disciplinary strands, to create new and impactful actions in all areas related to national and international neuroscience.

See http://www.tcd.ie/neuroscience/.

Director Mani Ramaswami, M.S. (I.I.T. DELHI), PH.D. (CAL. TECH.), M.R.I.A., F.T.C.D. (2009) Deputy Director Andrew Harkin, B.SC. (N.U.I.), M.A., PH.D. (N.U.I.), F.T.C.D. (2011) Operations Manager Ciaran Conneely, B.SC. (APP. SC.), M.ENG.SC. (N.U.I.), M.SC. (N.U.I.), C.PHYS. Finance and Business Planning Manager Barbara Hewitt, I.A.T., C.P.A.

MRI Core Staff Sojo Joseph, B.SC. (S.RAMACHANDRA MED.) Christian Matthias Kerskens, DIPL. PHYS. (KÖLN), DR. RER. NAT. (KÖLN) Site Director of GBHI at TCIN and Conolly Norman Professor of Old Age Psychiatry (1999) Brian Lawlor, M.D. (N.U.I.), D.O. (R.C.P.I.), D.C.H. (N.U.I.), M.R.C.P.I., D.A.B.P.N. Founding Co-director of GBHI and Professor Emeritus Ian Hamilton Robertson, B.Sc. (GLAS.), M.A., M.PHIL. (LOND.), PH.D. (LOND.), F.B.P.S.S., F.A.P.S., C.PSYCHOL., M.R.I.A., Fellow emeritus Deputy Chief Operations Officer, GBHI Ann Marie Glynn, B.SC. (N.U.I.), PH.D. (DUND.) Visiting Academic Hari Kasaba Srinivasaiah, M.B. (B'LORE.), M.D. (KARN.), DIP. HEALTH ECON. (N.U.I.), F.C.A.R.C.S.I. Research Fellows Rogerio Arena Panizzutti, M.D. (FED.U. RIO DE JANEIRO), PH.D. (FED.U. RIO DE JANEIRO) (Atlantic Philanthropies) Mircea Balasa, M.D. (LLEIDA), PH.D. (BARCELONA) Marc Bennett, B.SC. (N.U.I.), M.SC., PH.D. (K.U. LEUVEN) (Irish Research Council) Charlotte Callaghan, B.SC. (N.U.I.), M.SC., PH.D. (Science Foundation Ireland) Barbara Costa Beber, B.A. (FED.U. SANTA MARIA), M.A. (FED.U. SANTA MARIA), PH.D. (RIO GRANDE DO SUL) (Atlantic Philanthropies) Christopher Dillingham, B.SC. (CARDIFF), PH.D. (CARDIFF) (Science Foundation Ireland) Christine Fitzgerald, B.Sc. (LIMERICK), M.A. (N.U.I.), PH.D. (N.U.I.) (Atlantic Philanthropies) Hany Ibrahim, M.B. (AIN SHAMS), M.D. (AIN SHAMS), M.A. (AIN SHAMS) (Atlantic Philanthropies) Omar Mamad, PH.D. (BORDEAUX) (Wellcome Trust) Pawel Matulewicz, M.SC. (GDANSK), PH.D. (GDANSK) (Wellcome Trust) Claire McDonald, B.A., PH.D. (M.U. INNSBRUCK) (Science Foundation Ireland) David McGovern, PH.D. (NOTT.) (Irish Research Council) Virginia Mela Rivas, B.SC. (MADRID), PH.D. (MADRID) (Science Foundation Ireland) Anne Marie Miller, B.A., PH.D., P.G.DIP. STATS (Health Research Board) Geeske Peters, B.A. (HOGESCHOOL LIMBURG), M.SC. (V.U. AMST.), PH.D. (V.U. AMST.) Adria Rofes, B.A. (U.A. BARCELONA), M.SC. (GRON./POTSDAM), PH.D. (TRENTO) Jennifer Rouine, B.A., M.SC., PH.D. (Science Foundation Ireland) Kathy Ruddy, B.SC. (BELF.), PH.D. (BELF.) (Science Foundation Ireland) Karen Ryan, B.A., PH.D. (Health Research Board) Nigel Vahey, B.A. (N.U.I.), PH.D. (N.U.I.) (Health Research Board) Visiting Research Fellow Joanna Edel McHugh, B.A. (N.U.I.), PH.D.

TRINITY TRANSLATIONAL MEDICINE INSTITUTE (TTMI)

The Trinity Translational Medicine Institute (TTMI) is located within the St James's Hospital campus in Dublin 8. However, TTMI extends to include researchers at the Meath Foundation Research Laboratory at the Trinity Centre, Tallaght Hospital, the Coombe Women and Infants University Hospital, and Our Lady's Children's Hospital, Crumlin. Trinity College Dublin Schools of Medicine, Chemistry, and Pharmacy and Pharmaceutical Sciences are the founding partners of TTMI and are represented by research scientists and clinicians committed to prioritising patient driven clinical research. The substantive co-operative institute currently houses over forty principal investigators and one hundred and fifty scientists.

The creation of TTMI fills a major strategic gap in TCD through the development of a centre for excellence geared towards translating transformative biomedical research to a clinical setting and consolidating links within our hospital sites. TTMI's remit extends across St James's, Tallaght, Our Lady's and the Coombe hospitals, creating the new Trinity Translational Development Pathway, based on international best practice. The location of TTMI within the acute hospital setting, enhances the study of a broad spectrum of disease states underpinned by collaborations

with fundamental, translational, and clinical research practitioners and sample/patient accessibility. The close proximity of the Wellcome Trust – HRB Clinical Research Facility enables the expedient translation of clinical research breakthroughs into opportunities for regulated clinical trials. Such a consolidated approach ensures an efficient pathway for bridging basic biomedical discovery research with improvements in clinical medicine.

Director Orla Sheils, M.A., PH.D., DIP. MED. LAB. SCIENCES (D.I.T.), F.A.M.L.S., F.T.C.D. (2009) Business Manager Frank Mangan, B.SC. (N.U.I.), M.SC. (N.U.I.), M.B.A. (D.C.U.), H.DIP. BUS. ST. AND INFO. TECH. (N.U.I.) Safety Officer Paul Smyth, B.SC. (D.C.U.), PH.D. Visiting Research Fellows Conor Harkin, B.A., M.B., M.SC., M.B.A. (I.E. UNIV. MADRID), M.R.C.S.I. Riona Ni Ghriallais, B.E. (N.U.I.), PH.D. (N.U.I.) Noel Reynolds, B.E. (N.U.I.), PH.D. (N.U.I.)

Trinity Led Research Consortia & Inter-institutional Research Groupings

ADAPT CENTRE FOR DIGITAL CONTENT TECHNOLOGY

The ADAPT Centre for Digital Content Technology is a Science Foundation Ireland funded research centre that aims to lead on the development of digital content technologies that will revolutionise the way people interact with content, systems and each other to achieve unprecedented levels of access, efficiency and empowerment. ADAPT has significant commercial knowledge and actively collaborates with industry to create breakthroughs in the global content industry.

ADAPT's research areas include localisation, social media analysis, multimodal interaction, intelligent content and media, and informal and formal learning. In 2015 the centre, which was formerly known as CNGL (Centre for Global Intelligent Content), was re-branded as ADAPT to highlight the extension of its research expertise which covers all aspects of the digital content life-cycle.

ADAPT is led out of Trinity College Dublin and combines the world-class expertise of researchers at Dublin City University (DCU), University College Dublin (UCD) and Dublin Institute of Technology (DIT).

Director

Vincent Patrick Wade, B.SC. (N.U.I.), M.A., M.SC., PH.D., F.T.C.D. (2002) Associate Director of Commercialisation Liam Cronin, B.SC. (LIMERICK, DUBL.), M.A. (D.I.T.), GRAD.DIP. COMPUTER SCIENCE (LIMERICK), P.G.DIP. PRODUCT MANAGEMENT (D.I.T.) Design and Innovation Manager Declan McKibben, B.A., M.B.A. (N.U.I.) Marketing and Communications Manager Olivia Waters, B.A., B.SC., M.SC. (D.I.T.), P.G.DIP. P.R. (P.R.I.I.) Research Programme Manager Peter Rossiter, B.SC. (N.U.I.) E.U. Research Manager Maire Brophy, B.A. (N.U.I.), M.A. (N.U.I.), PH.D. (N.U.I.) Financial Controller Robbie Gallagher, ADV. DIP. (A.C.C.A.), A.C.C.A., I.A.T.I. Systems Administrator Graziano D'Innocenzo, M.A. (LOUVAIN) Junior Project Manager Aoife Brady, B.A., B.A.I.

Industry Partnership Manager

Laura Clifford, B.A., M.SC. (D.I.T.) Research Fellows Judie Attard, B.SC. (MALTA), M.APP.SC. (N.U.I.), PH.D. (BONN) (Science Foundation Ireland) Joao Paulo Cabral, B.ENG. (I.S.T. LISBON), M.SC. (KTH STOCKHOLM), PH.D. (EDIN.) (Science Foundation Ireland) Annalina Caputo, LAUREA (BARI), PH.D. (BARI) (Science Foundation Ireland) Jeremy Debattista, B.SC. (MALTA), MAPP.SC. (N.U.I.), PH.D. (BONN) (Science Foundation Ireland) Christophe Debruyne, B.SC. (GHENT, V.U. BRUSSEL), M.A. (V.U. BRUSSEL), PH.D. (V.U. BRUSSEL) Kaniz Fatema, B.SC. (DHAKA), M.SC. (DHAKA, SHEFF.), PH.D. (KENT) (E.U.) David Filip, M.SC. (BRNO), PH.D. (BRNO) (Science Foundation Ireland) Alfredo Maldonado Guerra, B.SC. (MONTERREY INST. TECHNOL.), PH.D. (E.C.) Wissam Jassim, B.SC. (BAGHDAD), M.SC. (BAGHDAD), PH.D. (MALAYA) (Science Foundation Ireland) Ali Karaali, M.SC. (BAHCESEHIR UNIV.), PH.D. (RIO GRANDE DO SUL) (Science Foundation Ireland) Eamonn Kenny, B.A., M.SC., PH.D. (E.U.) Vladimir Krylov, M.Sc. (MOSCOW), PH.D. (MOSCOW) Peter Lavin, B.SC. (D.I.T.), M.SC., PH.D. (Science Foundation Ireland) Erwan Moreau, M. ES SCIENCES (NANTES), D.E.A. (NANTES), DOCTORAT (NANTES) (Science Foundation Ireland) Neil Peirce, B.A., M.SC., PH.D. (Enterprise Ireland/ Industrial Development Agency) Athanasios Staikopoulos, B.SC. (WOLV.), M.SC. (BIRM.), PH.D. (BIRM.) (Science Foundation Ireland) Dominika Tkaczyk, M.Sc. (WARSAW), PH.D. (POLISH ACAD. SC.) (European Research Council) Visiting Research Fellow Lamia Tounsi, PH.D. (TOURS) Administrative Officer Sinead Gorham, B.A. (H.E.T.A.C.), M.SC. (D.I.T.)

ADVANCED MATERIALS AND BIOENGINEERING RESEARCH (AMBER)

AMBER is an SFI funded centre that provides a partnership between leading researchers in material science and industry. It is jointly hosted in Trinity College Dublin (TCD) by CRANN and the Trinity Centre for Bioengineering (TCBE), working in collaboration with University College Cork and the Royal College of Surgeons in Ireland (RCSI). The centre delivers internationally leading materials research that is industrially and clinically informed. Outputs include new discoveries and devices in ICT, medical device and industrial technology. AMBER has a strong emphasis on linking industry to research programmes. The aim of the centre is to develop products that directly impact everyone's quality of life such as the development of the next generation computer chips and new medical implants and pharmaceuticals that will improve patient care.

AMBER brings together Ireland's leading material science researchers working across the disciplines of Physics, Chemistry, Bioengineering and Medicine; with an international network of collaborators and companies.

Director Michael Morris, B.SC. (LIV.), PH.D. (LIV.), F.T.C.D. (2017) Deputy Director Fergal Joseph O'Brien, B.A., B.A.I., PH.D., MIEI Executive Director Lorraine Byrne, B.SC. (D.C.U.), PH.D. (D.C.U.), P.G.CERT. NANOTECHNOLOGY (OXON.), M.R.S.C., M.A.C.S. General Manager for Operations Colm McAtamney, B.SC. (N.U.I.), M.SC. (D.C.U.), DIP. APPLIED PROJECT MGMT (N.U.I.) Project Manager James Doyle, B.A., PH.D. Communications, Outreach and Public Affairs Manager Mary Colclough, B.SC. (HUM. NUT.), M.A. (OPEN), P.G.DIP. I.T. (D.C.U.) Finance Manager Simon Ridgway, B.A. (LIV.J.MOORES), C.I.M.A.

Calendar 2017-18

Education and Public Engagement Officer Rachel Kavanagh, M.A., M.SC. (N.U.I.), PH.D.

INSTITUTE OF POPULATION HEALTH

The Institute of Population Health (IPH) was opened in August 2016, based at the Russell Centre, Tallaght Cross in Dublin 24. It is a joint initiative of the Schools of Medicine and Nursing and Midwifery. Among the priority actions will be to provide an academic backdrop to the primary care centre and general practitioners who share the premises with the IPH. Focus will be on prevention and chronic disease prevention and management. A range of new postgraduate courses will be run from the IPH. Public health advocacy will also be a priority, together with major interaction with the community in Tallaght.

Director

Joseph Barry, M.B. (N.U.I.), M.SC. (LOND.), M.A., M.D., F.R.C.P.I., F.F.P.H.M.I., F.F.P.H.M.(U.K.), M.F.C.M.I., M.R.C.P.(U.K.), F.T.C.D. (2012) Chair of the Steering Group Mary McCarron, R.M.H.N., R.G.N., R.N.T., B.N.S. (D.C.U.), M.A., PH.D., F.T.C.D. (2011)

LEARNOVATE CENTRE

The Learnovate Centre is an Enterprise Ireland / IDA Ireland, Trinity hosted technology centre of excellence for innovation in learning technologies. Research areas include social and informal learning, mobile and collaborative learning, immersive learning, metrics and assessment.

Director [vacant] Professor of Computer Science (1990) Vincent Patrick Wade, B.Sc. (N.U.I.), M.A., M.SC., PH.D., F.T.C.D. (2002) Programme Manager Deirdre Green, B.A., M.SC. Commercial Development Manager Tom Pollock, M.B.A. (LIMERICK) Research Fellows Ian O'Keeffe, B.A., B.A.L, PH.D. (Enterprise Ireland) Neil Peirce, B.A., M.SC., PH.D. (Enterprise Ireland) Neil Peirce, B.A., M.SC., PH.D. (Enterprise Ireland/Industrial Development Agency) Eddie Walsh, B.SC. (LIMERICK), M.SC. (LIMERICK), PH.D. (Science Foundation Ireland/Enterprise Ireland)

CONNECT

CONNECT, formerly known as CTVR, is Ireland's Future Network and Communications research centre. Funded by Science Foundation Ireland, it is headquartered in Trinity College Dublin and brings together nine other academic institutions (Maynooth University, University of Limerick, Dublin Institute of Technology, University College Cork, Dublin City University, University College Dublin, Tyndall National Institute, Cork Institute of Technology and Waterford Institute of Technology with TSSG (Telecommunication software and systems group). CONNECT is also partnered with thirty-five companies ranging from large ICT multi-nationals to smaller and emerging indigenous companies.

CONNECT's mission is to research, develop and innovate new communication solutions to address many of the challenges facing society. At the core of the CONNECT research vision is the idea that the network will be performed into existence in response to service needs. CONNECT focuses on service-aware networks, network-aware services, responsive things and integration.

Director Linda Elizabeth Doyle, B.E. (N.U.I.), M.SC., PH.D., P.G.DIP. STATS, F.T.C.D. (2011) Executive Director Timothy Kirby Forde, B.A., B.A.I., PH.D.

Research Institutes and Centres Adjunct Professor of Telecommunications William Webb, B.ENG. (S'TON), M.B.A. (S'TON), PH.D. (S'TON) Adjunct Assistant Professors Jim Connolly, B.A. (OPEN) Simon Saunders, B.SC. (BRUN.), PH.D. (BRUN.) Senior Research Fellow (Part-time) Alan Hill, B.SC. (LOND.), PH.D. (LOND.) Research Fellows Aleksandra Kaszubowska Anandarajah, B.ENG. (POZNAN), PH.D. (D.C.U.) (Science Foundation Ireland) Farrukh Bhatti, B.ENG. (N.U.S.T. PAKISTAN), M.SC. (N.U.S.T. PAKISTAN), PH.D. (AUCK.) (European Research Council) Muhammad Majid Butt, B.SC. (LAHORE U.E.T.), M.SC. (KIEL), PH.D. (N.T.N.U. TRONDHEIM) (E.U./Science Foundation Ireland) Diarmuid Collins, B.Sc. (H.E.T.A.C.), M.Sc. (N.U.I.), PH.D. (Science Foundation Ireland) Emanuele Di Pascale, M.SC. (NAPLES), PH.D. (Science Foundation Ireland) Amr Elrasad, B.SC. (ALEXANDRIA), M.SC. (ALEXANDRIA), PH.D. (K.A.U.S.T.) (Science Foundation Ireland) Carlo Galiotto, B.SC. (PADOVA), M.SC. (PADOVA), PH.D. (Science Foundation Ireland) Ismael Gomez, M.Sc. (POLYTECHNIC UNIV. CATALONIA), PH.D. (POLYTECHNIC UNIV. CATALONIA) (Science Foundation Ireland) Andrea Hess, DIPL. ING. (T.U. VIENNA), PH.D. (VIENNA) (Science Foundation Ireland) Jungho Kwak, B.S. (AJOU UNIV.), M.S. (K.A.I.S.T. KOREA), PH.D. (K.A.I.S.T. KOREA) (Science Foundation Ireland) Jorg Lotze, DIPL, ING. (T.U. ILMENAU), PH.D. (Science Foundation Ireland) Irene Macaluso, M.SC. (PALERMO), PH.D. (PALERMO) (Science Foundation Ireland) Andrei Marinescu, M.SC. (AALBORG), PH.D. (Science Foundation Ireland) Johann Marquez Barja, B.Sc. (ST. F.X.), PH.D. (P.U. VALENCIA) (Science Foundation Ireland/E.U.) Avishek Nag, B.E.TEL.E. (JAD.), M.TECH. (I.I.T. KHARAGPUR), PH.D. (CALIF.) (E.U.) Josue Amilcar Parra Cetina, M.Sc. (C.I.C.E.S.E. MEXICO), PH.D. (D.C.U.) (Science Foundation Ireland) Haris Pervaiz, B.S. (N.U.S.T. PAKISTAN), M.SC. (LOND.), M.PHIL. (LOND.), PH.D. (LANC.) (Science Foundation Ireland) George Ropokis, M.SC. (SUR.), PH.D. (PATRAS) (Science Foundation Ireland) Stephen Roddy, B.SC. (LIMERICK), M.A. (LIMERICK), PH.D. Maxime Rouzes, M.SC. (I.N.P. TOULOUSE), PH.D. (TOULOUSE III) (Science Foundation Ireland) Hamid Saeedi-Sourck, B.SC. (ISFAHAN U.T.), M.SC. (ISFAHAN U.T.), PH.D. (ISFAHAN U.T.) (Science Foundation Ireland) Ahmed Mohamed Selim, B.SC. (CAIRO), PH.D. (Science Foundation Ireland) Harun Siljak, M.Sc. (SARAJEVO), PH.D. (INTERNATIONAL BURCH UNIV. SARAJEVO) (Science Foundation Ireland) Paul David Sutton, B.A., B.A.I., PH.D. (Science Foundation Ireland) Justin Tallon, B.A., B.A.I., PH.D. (Science Foundation Ireland) Yi Zhang, B.ENG. (TSINGHUA UNIV. BEIJING), PH.D. (TSINGHUA UNIV. BEIJING) (E.U.) Director of Industry Engagement Mark Coonev. B.E. (N.U.I.) Communications, Education and Outreach Manager Andrew Matthew O'Connell, B.SC. (N.U.I.), PH.D. (N.U.I.) Funding Diversification Manager Raquel Harper, B.ENG., M.SC. (T.U., LISBON), PH.D. Finance and HR Manager Shirley Walsh, M.I.A.T.I. Programme Officer Monica Lechea, в.А. Research Programme Officer Sophie O'Kelly, B.A. (LYON), M.A. (LYON, GRENOBLE) Training and Development Officer Linda Ryan, B.A. (Q.Q.I.), M.A. (Q.Q.I.)

HR Manager/PA to Director Colette Keleher Centre Administrator Catherine Keogh, B.Sc. (N.U.I.), M.Sc.

TRINITY IMMIGRATION INITIATIVE

The Trinity Immigration Initiative (TII) brought together key strands of Trinity College Dublin's research in order to support the development of a more inclusive, multicultural Ireland. A key initiative in the TII was a major *Research Programme* on *Diversity, Integration and Policy.* This programme was designed to stimulate a quantum leap in research activity in relation to immigration, helping to generate evidence relevant to local and national policy and contributing to international debates and the development of international practice.

TRINITY INTERNATIONAL DEVELOPMENT INITIATIVE (TIDI)

The Trinity International Development Initiative (TIDI) was established, by researchers at Trinity College Dublin (TCD), in 2007, to maximise the university's contribution to understanding and addressing the major global development challenges of our time through research, teaching and outreach activities.

TIDI's vision is that TCD will be internationally renowned for excellence in development research and education and for the provision of practical solutions to real-world challenges. A vibrant outreach programme will raise awareness among the wider community of development issues and of TCD's role in addressing these.

Chair Carol Newman, B.A., PH.D., F.T.C.D. (2013)

Trinity Research Centres

TRINITY ACADEMIC GASTROENTEROLOGY GROUP RESEARCH CENTRE (TAGG)

The Trinity Academic Gastroenterology Group (TAGG) is an active research and clinical team working collaboratively at Tallaght Hospital, St James's Hospital Dublin and Trinity College Dublin. TAGG is affiliated with Trinity Health Ireland (THI). Our vision is of excellence and innovation in service delivery and research in all fields of gastroenterology. The team is multidisciplinary comprising gastroenterologists, surgeons, medical physicists, nutritionists, nurses, engineers, scientists and allied health professionals. Our principal investigators (PIs) collaborate with national and international colleagues across Europe, North America, Canada and Ireland as well as with small and medium sized enterprises (SMEs) and industry partners.

Co-directors David Kevans, M.B. (N.U.I.), M.D. (N.U.I.), M.R.C.P.I. Barry McMahon, M.Sc., PH.D. (AALBORG), DIP. ELECTRONIC ENGINEERING (N.C.E.A.) Deirdre McNamara, B.A., M.D., DIP. CANCER PREVENTION (N.C.I.), F.R.C.P.ED., M.R.C.P.I. Nasir Mahmud, M.B. (PUNJ.), M.D., DIP. GASTROENTEROLOGY (E.B.G.), M.R.C.P.I.

TRINITY CENTRE FOR ASIAN STUDIES

The Trinity Centre for Asian Studies provides a structure for multidisciplinary education in Asian Studies and integrates the university's actions in developing Chinese, Korean and Japanese Studies as well as other regionally-based scholarship and pan-Asian research. Located in the School of Linguistic, Speech and Communication Sciences, the centre acts as a focal point for Asian Studies and creates cross-College opportunities for collaboration and outreach. It's teaching and research focus on contemporary society and culture, language learning, diaspora studies, and comparative studies including Asian-European studies. The

centre's aim is to promote Asian Studies nationally and internationally, and in so doing, to be the leading knowledge centre in Ireland for policy-makers, business leaders and scholars in the field. The centre organises regular seminars and public lectures.

Director

Lorna Carson, B.A., M.A. (COLLEGE OF EUROPE, BRUGES), M.PHIL., PH.D., F.T.C.D. (2015)

TRINITY CENTRE FOR BECKETT STUDIES

The Trinity Centre for Beckett Studies was founded in 2017 and promotes and co-ordinates research activity in Beckett studies amongst staff and postgraduate students at Trinity College Dublin. The centre builds upon both the Samuel Beckett Summer School – which began in 2011 and was a joint venture between the School of English and the School of Creative Arts – and the Samuel Beckett Laboratory. The centre is the only research centre of its kind in Ireland. It places Trinity College at the forefront of academic research, artistic practice, and public engagement involving the works of one of its most famous alumni, and will help the university capitalise upon the Library's significant holdings of Beckett collection has been an area of significant investment by the Library over several years. The centre encourages interdisciplinary approaches to Beckett and is also involved in a number of international collaborations.

Director Samuel Slote, B.A. (WESLEYAN), M.A. (DUBL., WIS.), PH.D. (WIS.), F.T.C.D. (2012) Secretary Nicholas Johnson, B.S. (NORTHWESTERN), PH.D.

TRINITY CENTRE FOR BIBLICAL STUDIES

The Trinity Centre for Biblical Studies continues Trinity's interest and investment in biblical studies over the past four centuries by providing a focus for a range of research activities and projects in this discipline. In keeping with the growing breadth of biblical studies as a discipline and the range of expertise and interests at Trinity, the centre promotes research in a variety of areas, including the study of the Bible in its ancient contexts, its interpretation in late Antiquity and the Medieval period, and its reception in the visual and performing arts. The centre facilitates and disseminates research in these areas by drawing upon the expertise of its staff and associates within and beyond Trinity, as well as the rich resources of Trinity College's library and the Chester Beatty library.

Director David Shepherd, B.A. (SASK.), PH.D. (EDIN.)

TRINITY CENTRE FOR BIODIVERSITY RESEARCH (TCBR)

The Trinity Centre for Biodiversity Research was launched in December 2008 by Sir David Attenborough. Based in the School of Natural Sciences, the TCBR brings together researchers from across Trinity College Dublin to provide a broad base of expertise in a range of biodiversity research areas, enabling research to cross traditional disciplinary boundaries to encompass biological, social, economic, legal and political aspects of biodiversity. From basic blue skies research to practical solutions and applications for stakeholders, we use state of the art and innovative approaches to deliver excellence in biodiversity knowledge for capacity building and increased public awareness. This exciting combination of researchers allows novel synergistic collaborations that are crucial for the development of national, European and international policy, and strategic recommendations to ensure global environmental sustainability.

Director

Andrew Jackson, B.A., PH.D. (GLAS.), F.T.C.D. (2012)

TRINITY CENTRE FOR BIOENGINEERING

The centre was established in May 2002 and has principal investigators drawn from the Schools of Engineering, Medicine, Dental Science and Natural Sciences in Trinity College, and from the Royal College of Surgeons in Ireland, Dublin City University, and University College Dublin. The aim of the centre is to facilitate the development of bioengineering research and to support interdisciplinary teaching initiatives in the field of biomedical engineering. The specific areas of research focus at present are: biomechanics and mechanobiology, tissue engineering and regenerative medicine, neural engineering, medical devices, and advanced drug delivery.

Chair of the Executive Committee Fergal Joseph O'Brien, B.A., B.A.I., PH.D., MIEI Director Daniel John Kelly, B.A., B.A.I., M.SC., PH.D., F.T.C.D. (2010) Deputy Director Caitriona Lally, B.ENG. (LIMERICK), M.ENG. (LIMERICK), PH.D., P.G.DIP. STATS

TRINITY CANCER RESEARCH CENTRE (TCRC)

Cancer has been identified as a priority research theme based on the quality of research that has been generated by Trinity academics. There are over one hundred and seventy researchers from the School of Medicine and other Schools and Institutes across the College actively working on cancer projects as part of a vibrant interdisciplinary research community. Research in cancer incorporates basic biomedical and biomolecular research based at the Trinity Biomedical Sciences Institute and the Institute of Molecular Medicine, along with clinical research based in the teaching and affiliated hospitals, including St. James's, Tallaght, Coombe Women and Infants University Hospital and Our Lady's Hospital for Sick Children, Crumlin.

Co-directors

John James O'Leary, M.B. (N.U.I.), B.SC. (N.U.I.), M.SC. (N.U.I.), M.A., M.D. (N.U.I.), D.PHIL. (OXON.), F.R.C.PATH., F.F.PATH.R.C.P.I., F.T.C.D. (2005) John Vincent Reynolds, M.B. (N.U.I.), M.A., M.CH. (N.U.I.), F.R.C.S.I., F.T.C.D. (2004)

TRINITY INSTITUTE OF CARDIOVASCULAR SCIENCE

In June 2004, Trinity College established the Institute of Cardiovascular Science, a partnership between the College and its two main teaching hospitals: Tallaght Hospital and St James's Hospital. The aims of the institute are to increase the understanding of cardiovascular disease in order to improve and develop prevention, diagnostic, treatment and rehabilitation strategies. While the main focus of the institute is research; it is also engaged in the development and delivery of education and in co-ordinated service development. It offers an M.Sc. in Cardiology on the St James's campus.

Co-directors Ross Thomas Murphy, L.R.C.P. & S.I., M.B. (N.U.I.), M.SC., M.D., M.R.C.P.I. Deirdre Ward, B.A., M.B., M.R.C.P.I.

TRINITY CENTRE FOR COMPUTING AND LANGUAGE STUDIES

The centre was founded in 1996 as a pastoral and administrative home for the interdisciplinary moderatorship (B.A.) course in computer science, linguistics and a language, and as a focus for research collaboration in related areas within College, nationally and internationally. The centre contributes to the organisation of the Dublin Computational Linguistics Research Seminar, which is the product of collaboration among Dublin City University, Dublin Institute of Technology, University College Dublin and Trinity College Dublin.

Director

Carl Vogel, B.SC. (LOYOLA), M.A., M.SC. (S. FRASER), PH.D. (EDIN.), F.T.C.D. (2002)

TRINITY CENTRE FOR CONTEMPORARY IRISH HISTORY

The centre promotes research in recent Irish history. Its graduate students and postdoctoral fellows and associates manage their discrete projects within a framework which facilitates dialogue and interaction with researchers in their own and in related disciplines inside and outside College, as well as the sharing of research tools and experience.

Academic Director Eunan James O'Halpin, B.A. (N.U.I.), M.A. (DUBL., N.U.I.), PH.D. (CANTAB.), M.R.I.A., F.T.C.D. (2003) Deputy Director Anne Dolan, B.A. (N.U.I.), M.A. (N.U.I.), PH.D. (CANTAB.) Visiting Research Fellows Catriona Crowe, B.A. (N.U.I.) John Horgan, B.A. (N.U.I.) Michael Kennedy, B.A. (N.U.I.) Michael Kennedy, B.A. (N.U.I.), PH.D. (N.U.I.) Seán McConville, B.Sc. (BATH), PH.D. (N.U.I.) Seán McConville, B.Sc. (BATH), PH.D. (CANTAB.), LL.D. (CANTAB.) Deirdre McMahon, B.A. (N.U.I.), M.A. (N.U.I.), PH.D. (CANTAB.) Mary Muldowney, B.A., PH.D. Steven O'Connor, B.A. (N.U.I.), M.A. (N.U.I.), PH.D. (N.U.I.) Kate O'Malley, B.A., PH.D. John Terence O'Neill, M.PHIL. (PEACE STUDIES), PH.D. Peter Rigney, B.A., PH.D.

TRINITY CENTRE FOR CREATIVE TECHNOLOGIES AND MEDIA ENGINEERING

The future of the creative arts lies in a robust engagement of the artist, engineer and scientist. The Trinity Centre for Creative Technologies is harnessing the university's critical mass in the technologies and science that underpin the creative and entertainment industries, and in partnership with these industries, pioneering new research and graduate programmes relating to creative technologies and new media.

Co-directors Francis Morgan Boland, B.E. (N.U.I.), M.A., PH.D. (C.N.A.A.), C.ENG., FIEI, Fellow emeritus Anil Kokaram, B.A. (CANTAB.), PH.D. (CANTAB.), F.T.C.D. (2001)

TRINITY RESEARCH CENTRE FOR CULTURES, ACADEMIC VALUES AND EDUCATION (CAVE)

CAVE focuses its research, teaching and outreach activity on the study of higher education both in Ireland and internationally. The centre brings together staff with expertise in the areas of educational theory, sociology, history and policy. It undertakes both funded and non-funded research that inquires into educational initiatives and processes in the field of higher education, using a broad range of methodological approaches.

Director

John Walsh, B.A., M.LITT., PH.D. Members of the Research Centre David Limond, M.A. (ST AND.), PH.D. (GLAS.), P.G.C.E. (EDIN.) Andrew Loxley, B.ED., M.A., PH.D. (BATH), DIP. H.E. (BATH SPA U.C.) Rory McDaid, B.A. (D.C.U.), M.PHIL., ED.D. (D.C.U.), H.DIP.ED. (N.U.I.) Stephen James Minton, B.SC. (GLAS.), M.SC., PH.D. Maija Salokangas, B.A. (HELSINKI), M.A. (HELSINKI), PH.D. (MANC.) Aidan Seery, B.SC. (N.U.I.), B.PHIL. (HOCHSCHULE FÜR PHILOSOPHIE (MÜNCHEN), M.A., PH.D. Visiting Research Fellow Aida Idris, B.SC. (ABERD.), M.B.A. (OHIO), PH.D. (U.M. MALAYSIA) Adjunct Members Selina McCoy, B.SCOSC. (N.U.I.), M.SOC.SC. (N.U.I.), PH.D. (BELF.) Maria Slowey, B.COMM. (N.U.I.), M.LITT., P.G.DIP. SOCIAL SCIENCE (N.U.I.)

Calendar 2017-18

TRINITY CENTRE FOR DIGITAL HUMANITIES

The Trinity Centre for Digital Humanities, based in the Trinity Long Room Hub, brings together researchers and practitioners from many disciplinary backgrounds and College units to facilitate the novel investigation, analysis, synthesis, and presentation of information in electronic form. Although primarily focused on facilitating research at the intersection of technology, humanities and cultural materials, the centre also builds on past achievements to create new synergies and opportunities for collaboration and cross-disciplinary research, methodological innovation, and sharing of good practice across projects and approaches.

Co-directors Owen Conlan, B.A., B.A.I., PH.D., F.T.C.D. (2015) Jennifer Edmond, B.A. (BOSTON), M.A., PH.D. (YALE)

TRINITY CENTRE FOR EARLY MODERN HISTORY

The centre promotes understanding of the culture, society, economy, religion, politics and warfare of early modern Europe. The centre organises seminars, conferences and public lectures on the early modern history of Ireland, Britain and Continental Europe, as well as on relations between European and non-European states and cultures. Postdoctoral and postgraduate researchers undertake projects within a framework which promotes dialogue and exchange around shared interests in the early modern period. The centre also hosts externally-funded research projects, and contributes to the taught M.Phil. in Early Modern History offered by the Department of History.

Director

Joseph Michael Clarke, B.A. (N.U.I.), M.A. (DUBL., N.U.I.), PH.D. (EUROPEAN UNIV. INST. (FLORENCE))

TRINITY ENGAGE – CENTRE FOR RESEARCH IN AGEING

Through strategic investment over the last decade, Trinity has developed a strong research capacity in ageing. Over one hundred and ten Trinity researchers are engaged in ageing-related research spanning fields of biology, public health, medicine, informatics, macroeconomics, finance, urban planning, engineering, technologies, globalisation and migration, the law, sociology, business and philosophy. The centre will create a unique hub of ageing-related research that will shape policies and programmes and foster multi-disciplinary collaborations, transforming Trinity from being world class to world leading in this field.

Director

Rose Anne Marie Kenny, M.B. (N.U.I.), M.D. (N.U.I.), F.R.C.P., F.R.C.P.I., M.R.I.A., F.T.C.D. (2007)

TRINITY CENTRE FOR THE ENVIRONMENT

Founded in 1979, the Trinity Centre for the Environment (TCE) acts as a focus for interdisciplinary research in environmental sciences. It also provides a diverse range of laboratory and field support to a large community of academics and researchers. The TCE acts as a focus for visiting academics and researchers, by providing them with space, and where required, basic research support. The centre is managed by the director, who also chairs the management committee comprising the resident members, as well as representatives of the student body and School. It is located in the former anatomy building in the heart of College.

Director

Nicholas Frederick Gray, B.Sc. (C.N.A.A.), M.A., M.SC. (SALF.), PH.D. (C.N.A.A.), SC.D., D.W.M., C.BIOL, F.R.S.B., F.L.S., s.F.T.C.D. (1985) Senior Technical Officer Mark Kavanagh, B.Sc. (N.U.I.) Resident Members Norman Andrew Allott, B.A., M.S. (MINN.), PH.D. Marcus Collier, B.A. (N.U.I.) M.Sc. (N.U.I.) Catherine Elizabeth Coxon, B.A., PH.D. Nicholas Frederick Gray, B.Sc. (C.N.A.A.), M.A., M.SC. (SALF.), PH.D. (C.N.A.A.), SC.D., D.W.M., C.BIOL., F.R.S.B., F.L.S., s.F.T.C.D. (1985) Mark Kavanagh, B.SC. (N.U.I.) Stephen Waldren, B.SC. (WALES), PH.D. (WALES)

TRINITY FUTURE CITIES: CENTRE FOR SMART AND SUSTAINABLE CITIES

The centre fosters research-led innovation in smart approaches to optimising cities' resources, reducing their environmental impact, and improving citizens' quality of life within urban environments. Its research is multi-disciplinary, including researchers from computer science, statistics, information systems, engineering, natural sciences, social science, chemistry, English, nursing and midwifery, business and law. The centre provides a focus point for leveraging existing activities and collaborations, as well as seeking new opportunities for funding.

Director Siobhán Clarke, B.Sc. (D.C.U.), M.A., PH.D. (D.C.U.), F.T.C.D. (2006)

TRINITY CENTRE FOR GENDER AND WOMEN'S STUDIES

The centre's graduate programmes (M.Phil./Diploma, M.Litt. and Ph.D.) address current scholarship on women, gender and sexualities. The centre's dedicated research unit has undertaken nationally and internationally funded projects on such diverse topics as the gender history, work-life balance, gender and ageing, barriers and facilitators toward the promotion of women, the role of men in the promotion of gender equality, prostitution and women and ambition. The centre fosters links with the community through its public seminars and lectures.

Director Catherine Lawless, B.A., PH.D. Visiting Research Fellows Mary Condren, B.A. (HUL), M.A. (BOSTON COLLEGE), TH.D. (HARV.) Derval Conroy, B.A., D.E.A. (PARIS III), PH.D. Mary Cullen, B.A. (N.U.I.), M.A. (N.U.I.) Aleksandra Maria Derra, M.A. (U.M.K. TORUŃ), PH.D. (U.M.K. TORUŃ) Mary Healy, B.A. (H.E.T.A.C.), M.A. (LIMERICK), PH.D. (LIMERICK) Gillian Kenny, B.A. (N.U.I.), M.A. (N.U.I.), PH.D. Anne-Marie McGauran, B.A. (N.U.I.), M.A. (N.U.I.), PH.D.

CENTRE FOR GLOBAL HEALTH

The centre was established in 2004 with a focus on strengthening health systems through a multi-disciplinary and multi-country approach to critical analysis, research-in-action and capacity building. The centre draws on expertise from anthropology, sociology, psychology, health policy and management, medicine, health informatics and public health. Teaching activities centre on the M.Sc. in Global Health programme established in 2005 and the International Doctoral School in Global Health (Indigo) established in 2009.

Acting Academic Director

Joseph Barry, M.B. (N.U.I.), M.SC. (LOND.), M.A., M.D., F.R.C.P.I., F.F.P.H.M.(J.K.), M.F.C.M.I., M.R.C.P.(U.K.), F.T.C.D. (2012) Assistant Professor in Global Health and Director of the M.Sc. in Global Health Fiona Larkan, B.A. (N.U.I.), M.A., PH.D. (N.U.I.) Assistant Professor/Director of the International Doctorate in Global Health (Indigo) Frédérique Vallières, B.SC. (MCG.), M.SC., PH.D., P.G.DIP. STATS Adjunct Professor Malcolm MacLachlan, B.SC. (WALES), M.A., M.SC. (LOND.), PH.D. (DUND.), DIP. B.A. (STRATH.), F.P.S.S.I., F.B.P.S.S., C.PSYCHOL., M.R.I.A.

Adjunct Associate Professor Philip Hyland, B.A. (Q.Q.I.), PH.D. (ULSTER) Adjunct Assistant Professors Ian Hodgson, R.N., B.ED. (SHEFF.), M.A. (SHEFF.HALLAM), M.SC., PH.D. (BRAD.) Kenneth McKenzie, B.A., PH.D. (D.C.U.) Michael O'Toole, B.SC. (N.U.I.), PH.D. Niall Roche, B.SC. (ENV. HEALTH), M.SC. (MANC.) Research Fellow John Oyange Owuor, B.SC. (EGERTON), M.P.H. (SHEFF.HALLAM), PH.D. (HUDD.) Centre Administrator Helen Farrelly

HAMILTON MATHEMATICS INSTITUTE

The Hamilton Mathematics Institute fosters mathematics by creating an environment in which researchers can meet, collaborate, discuss and explain the frontiers of fundamental mathematics and related disciplines to each other. It also facilitates interaction between leading researchers and talented young people, organises public lectures to communicate the challenge and excitement of fundamental research and engages in dialogue both with other disciplines and society at large.

Director

Samson Shatashvili, KANDIDAT NAUK (LENINGRAD), DOKTOR NAUK (LENINGRAD STEKLOV MATHEMATICAL INSTITUTE), M.R.I.A., F.T.C.D. (2005), University Professor of Natural Philosophy (1847)

TRINITY CENTRE FOR THE STUDY OF IMMUNOLOGY (TCI)

The area of immunology is one of the fastest-growing disciplines in biomedical research and is a key component of the biotechnology industry. The aims of the TCI are to promote the development of immunology in College; to foster links between immunologists within College; to provide a focus for the raising of funds; and to co-ordinate present and future teaching in immunology. This initiative builds on what is already a strong aspect of research in College, the aim being to build on Trinity's reputation as one of international renown for research in the field of immunology.

Director

Kingston Mills, B.A., PH.D., F.R.A.M.I., M.I.BIOL.I., M.R.I.A., F.T.C.D. (2004)

TRINITYHAUS RESEARCH CENTRE

TrinityHaus was formed in 2008 to provide innovative solutions for buildings, neighbourhoods and cities. It is staffed by a diverse range of researchers with professional and academic expertise in architecture, computer science, engineering, management science, and soil science. Current projects include a HRB research project into design of dementia friendly hospitals and COST Action TU1204 into 'People friendly cities in a data rich world' with twenty-eight European partners resulting in urban living laboratory studies carried out in Dublin, Glasgow, Lucca, Reykjavik and Vilnius.

Executive Director Brian Michael Broderick, B.E. (N.U.I.), M.ENG.SC. (N.U.I.), PH.D. (LOND.), D.I.C., MIEI, F.T.C.D. (2006) Director Mark Dyer, B.ENG. (WALES), B.SC. (OPEN), M.A., D.PHIL. (OXON.), C.ENG., FICE, AOU, F.T.C.D. (2009)

CENTRE FOR INNOVATIVE HUMAN SYSTEMS

The mission of the centre is to foster innovative design and organisational change to improve performance and reduce risk in critical systems – in a variety of domains, including transport, manufacturing, resources, health and other services. It is multi-disciplinary – spanning individual,

group and organisational activity; technologies, information systems and knowledge; operational processes and business processes; system performance. The role of the centre is to foster an effective innovation cycle working with industry and other partners through research, education training, and consultancy.

Director Samuel David Cromie, B.A., PH.D. Centre Administrator Paula Hicks, M.Sc., DIP. HISTORY OF ART (N.U.I.)

TRINITY IRISH ART RESEARCH CENTRE (TRIARC)

This centre was established to promote and facilitate the study of Irish art and architecture, and began operations in October 2003. Located in the renovated Provost's House Stables, it serves as a focus for academic research and is responsible for organising seminars, conferences and postgraduate courses, including a taught M.Phil. specialising in Irish art history. It also has responsibility for a visual archive. By exploiting the exceptional resources available in the centre of Dublin, both in Trinity College and in the major cultural institutions nearby, the centre builds on the Department of the History of Art's existing achievements in the field of Irish art.

Director Yvonne Scott, B.B.S., M.A. (N.U.I.), PH.D., DIP. H.E.P., F.T.C.D. (2015)

TRINITY CENTRE FOR NEW IRISH STUDIES

The centre (formerly the Trinity Centre for Irish-Scottish and Comparative Studies) hosts the Making Ireland College research theme and coordinates a number of research projects and initiatives that have been developed under the auspices of the theme, notably the Beyond 2022 project.

Director Mark Eugene Hennessy, B.A. (N.U.I.), M.A., PH.D. (N.U.I.)

TRINITY CENTRE FOR LITERARY TRANSLATION

The centre was established in 2013 in order to develop, promote and support literary translation in Ireland. It is a three-way partnership bringing together the School of Languages, Literatures and Cultural Studies in Trinity College Dublin, Literature Ireland, formerly Ireland Literature Exchange (ILE), and Dalkey Archive Press. Historically this initiative was the result of Trinity College's commitment through the Creative Arts, Technologies and Culture Initiative to create a dynamic network of interconnectivity in education, research, creative practice and entrepreneurship at the heart of the city.

Director Sarah Smyth, M.A., PH.D.

TRINITY CENTRE FOR MEDIEVAL AND RENAISSANCE STUDIES

The centre promotes interdisciplinary collaboration between scholars working in the fields of Medieval and Renaissance studies both within and outside Trinity with a view to raising the profile of Medieval and Renaissance studies at a national and an international level. The centre organises conferences, seminars and public lectures on a regular basis, and has recently launched a school liaison programme. It has developed close ties with a number of other institutions, works closely with the Society for Renaissance Studies and Medium Aevum and is a member of CARMEN (the Confederation for the Advancement of Research through a Medieval European Network).

Director

Sarah Elizabeth Alyn Stacey, CHEV. DE L'ORDRE NATIONAL DU MÉRITE, B.A. (HULL), M.A., PH.D. (HULL), MEMBRE DE L'ACADÉMIE DE SAVOIE, F.T.C.D. (2004)

Visiting Research Fellows Barbara Crostini, B.A. (OXON.), D.PHIL. (OXON.) Peter Field, B.A. (OXON.), B.LITT. (OXON.), M.A. (OXON.) Gavin Hughes, B.A. (WALES), PH.D. (WALES) Savvas Neocleous, B.A. (CYPRUS), M.PHIL., PH.D. Eavan Mary O'Brien, M.A., PH.D. Jane Roberts, B.A., M.A. (DUBL., OXON.), M.LITT., D.PHIL. (OXON.), LITT.D. (*h.c.*) David Rundle, B.A. (OXON.), M.A. (OXON.), D.PHIL. (OXON.) Pauline Smith, B.A. (LOND.), PH.D. (LOND.) Anatole Tchikine, B.A., PH.D.

TRINITY CENTRE FOR MEDITERRANEAN AND NEAR EASTERN STUDIES (MNES)

The aim of the centre is to investigate how, at local, national and international level, peoples, ideas, and practices in these two highly important cultural zones have lived together in peaceful and hostile relationships; and how the multiple identities thus negotiated and given expression have led to either conflict or accommodation. Combining literary, historical, philosophical, archaeological and scientific methodologies, the core of the centre's research activities brings together scholars, both local and international, from classics and archaeology, biblical, New Testament and Jewish studies, philosophy and history. The Plato Centre is a constituent member of MNES.

Director Brian Charles McGing, B.A., M.A. (DUBL., TOR.), PH.D. (TOR.), M.R.I.A., Fellow emeritus

TRINITY CENTRE FOR SOCIAL INNOVATION

The Trinity Centre for Social Innovation, which was formerly the Trinity Centre for Nonprofit Management, has as its mission to create a TCD space that fosters research on social entrepreneurial action, generating opportunites to study impactful engagement in society and to disseminate that research to all stakeholders. The centre will create opportunities for individuals and teams across College and beyond to work together towards generating greater impactful research-led engagement in all aspects of their work and research. Taking the three core pillars of research, teaching, and incubation, the Trinity Centre for Social Innovation will seek out, facilitate, support and promote the impactful engagement interactions that occur and actively endeavour, through the centre's overall research agenda, to investigate the diversity, complexity and scale of impact created.

Academic Director Gemma Donnelly-Cox, B.A. (WAT.), M.A., M.PHIL. (OXON.), D.PHIL. (OXON.) Co-director Mary Lee Rhodes, B.A. (YALE), M.A., M.SC. (LOND.), M.B.A. (WHARTON), PH.D.

TRINITY CENTRE FOR POST-CONFLICT JUSTICE

The centre fosters interdisciplinary research that explores how societies come to terms with episodes of extreme violence in war, civil war, and periods of prolonged civil and political unrest. The centre brings together faculty and graduate students working in the fields of history, law, peace studies, sociology, theology and ethics. Its current projects address the themes of justice, transition, and memory and reconciliation and draw from field and archival work in the Balkans, Eastern and Central Europe, Central America, Africa, the Middle East, and Southeast Asia, as well as the experience of the peace process in Ireland, north and south.

Director

Jude Lal Fernando, B.PH. (ROME), B.TH. (ROME), M.PHIL. (ECUM.), PH.D.

TRINITY CENTRE FOR PRACTICE AND HEALTHCARE INNOVATION

The aims of the Centre are to: (i) establish a Centre for Healthcare Innovation in partnership between Trinity College Dublin (TCD) and its allied health centres in order to encourage and support innovations in education, research, practice and implementation; and (ii) to develop an extensive national network of Practice Innovation Units that work together to share ideas and resources for mutual benefit and for the common good of research in practice development in nursing and healthcare.

Director

Anne-Marie Brady, R.G.N., R.N.T., B.S.N. (NORTHEASTERN), M.A., M.S.N. (NORTHEASTERN), PH.D., P.G.DIP. C.H.S.E.

TRINITY CENTRE FOR PSYCHOLOGICAL HEALTH

The centre brings together a critical service-focused research capacity to develop, implement and evaluate psychological interventions to enhance health and well-being. The centre fosters research-led innovation to help services optimise client quality of life and advance the science of clinical practice. Through external collaborations and with innovative models of working with service users, the centre is uniquely positioned to meaningfully engage with society in addressing core issues related to enhancing well-being.

Director

David Hevey, B.A. (N.U.I.), M.A. (N.U.I.), PH.D.

TRINITY CENTRE FOR RESEARCH IN I.T. IN EDUCATION (CRITE)

CRITE is a joint initiative between the School of Education and the School of Computer Science and Statistics. Its research area is technology enhanced learning with a focus on creating, and evaluating, innovative learning experiences and tools, inspired by educational principles and technical progress.

Academic Co-directors Keith Johnston, B.TECH. (ED.) (LIMERICK), M.A. (DUBL., LIMERICK), PH.D. (LIMERICK) Denis Brendan Tangney, B.SC. (N.U.I.), M.SC., PH.D. (BOLTON), F.T.C.D. (2006) Academic Staff Nina Bresnihan, B.A. (N.U.I.), M.A. (N.U.I.), M.SC. Timothy Savage, B.A. (E. ANGLIA), M.SC., PH.D., H.DIP.ED. Glenn David Strong, B.SC. (STIR.), M.A. Research Fellows Aibhin Bray, B.A. (N.U.I.), M.SC. (N.U.I.), PH.D., H.DIP.ED. (E.U.) Jake Byrne, B.ENG. (D.C.U.), M.SC., PH.D. (Google) Megan Kuster, B.SC. (TOR.), M.A. (NEVADA), M.PHIL., PH.D. (Irish Research Council) Katriona O'Sullivan, B.A., PH.D. (Irish Research Council) Ronan Smith, B.A., PH.D. (Higher Education Authority) Visiting Research Fellows Richard Millwood, B.SC. (LOND.), PH.D. (BOLTON), F.B.C.S., F.R.S.A. Kevin Marshall, B.A. (N.U.L), M.SC. (HULL), PH.D. (BOSTON)

TRINITY CENTRE FOR TRANSPORT RESEARCH AND INNOVATION FOR PEOPLE (TRIP)

The aim of TRIP is to initiate and develop interdisciplinary research in transport focusing on a set of theme areas; balancing transportation supply and demand/need, the use of information and communication technologies (ICT) in transportation, environmental impacts of transportation, safety and quality of life.

Director

Margaret Mary O'Mahony, B.E. (N.U.I.), M.A., D.PHIL. (OXON.), C.ENG., FIEI, MICE, F.T.C.D. (2001)

TRINITY CENTRE FOR URBAN AND REGIONAL STUDIES

The centre is a joint initiative of the Departments of Economics and Geography in order to meet the need for an expanded research programme in urban and regional development and the built environment. The centre addresses a wide spectrum of economic, social and environmental issues. In addition to research, the centre organises conferences, seminars and meetings relating to urban and regional affairs. In particular, it attempts to cater for the needs of communities and organisations in the Dublin area.

Directors

Patrick Joseph Drudy, B.Comm. (N.U.I.), B.A. (N.U.I.), M.ECON.SC. (N.U.I.), M.A. (DUBL., CANTAB.), PH.D. (CANTAB.), Fellow emeritus

Andrew Charles MacLaran, M.A. (DUND.), PH.D. (DUND.)

TRINITY CENTRE FOR WAR STUDIES

The centre was established in 2008 to promote the study of the origins, nature and consequences of war in history and the contemporary world. It draws on the interests of staff in the School of Histories and Humanities with convergence on three areas in particular: the Thirty Years War and the wars in Britain and Ireland in the seventeenth century; the Revolutionary and Napoleonic Wars, 1792-1815; and the era of the two world wars, 1914-1945. While the cultural history of war is a special strength of the centre, the study of all aspects of war – from military operations to politics, society and the economy – is supported.

Director

Alan Richard Kramer, B.A. (N'CLE (U.K.)), M.A. (N'CLE (U.K.)), DR.PHIL. (HAMBURG), F.R.HIST.S., F.T.C.D. (1994) Associate Director Fergus Robson, B.A., PH.D.

IRISH CENTRE FOR EUROPEAN LAW

The centre seeks to promote the knowledge, understanding and good practice of EU law and the law of the European Convention on Human Rights. To this end, the centre organises conferences, seminars and refresher courses on substantive areas of Union and Convention law as well as on the Union's institutional framework and on the interrelationship between the Union legal order and that of its Member States.

Chair

The Hon. Mr John D. Cooke, Retired Judge of the High Court Director Gary Fitzgerald, Barrister-at-Law

TRINITY MEDIEVAL HISTORY RESEARCH CENTRE

The centre is designed to promote research in the history and archaeology of Ireland and Europe in the Middle Ages. It provides facilities for the interaction and exchange of ideas among postgraduate students, postdoctoral researchers and staff (from inside and outside College), while also furnishing a forum where relevant research from other disciplines can be aired and discussed from a historical viewpoint. In addition to hosting externally-funded projects, the centre also offers a taught M.Phil. in Medieval History.

Director of the centre and Co-ordinator of the M.Phil. in Medieval History

David Ditchburn, M.A. (EDIN.), PH.D. (EDIN.) Visiting Research Fellows Ann Buckley, B.MUS. (N.U.I.), M.A. (N.U.I.), PH.D. (CANTAB.) Robin Frame, B.A., PH.D. Niav Gallagher, B.A. (N.U.I.), M.LITT. (N.U.I.), PH.D., H.DIP.ED. (N.U.I.) Chris Given-Wilson, B.A. (CANTAB.), PH.D. (CANTAB.) Stephen Hugh Harrison, B.A., M.A. (N.U.I.), PH.D. Conor Kostick, B.A., PH.D. Alastair Macdonald, M.A. (ABERD.), PH.D. (ABERD.) Gráinne McLaughlin, B.A., PH.D. (CANTAB.) Elizabeth Matthew, B.A. (DURH.), PH.D. (DURH.) Brendan Smith, B.A., PH.D.

TRINITY MIGRATION AND EMPLOYMENT RESEARCH CENTRE (TMERC)

The centre undertakes social-scientific research into migration and employment in Ireland and Europe. In its work the centre strives to produce high quality research of interest to researchers and policy makers. The centre aims to build capacity around researching migration and employment. The centre is also committed to forging strong links with Irish and international colleagues in the field of migration and employment research.

Director

Peter Muhlau, B.A. (MARBURG), M.A. (BIELEFELD), PH.D. (GRON.)

TRINITY CENTRE FOR EXCELLENCE IN AGEING AND INTELLECTUAL DISABILITY (TCAID)

The centre has been established to achieve enhanced quality of life for people with intellectual disabilities (ID) as they age. Through interdisciplinary collaboration, the centre will transform Trinity's intellectual disability research from world class to world leading in the field. Building upon rigorous research, the centre will create an innovative and progressive teaching environment, and contribute to the preparation of future practice leaders, working with government, intellectual disability service providers, and people with an intellectual disability and their families. The centre will address policy and practice concerns, and discover and disseminate high quality evidence-based interventions. The centre is underpinned by the Intellectual Disability Supplement to TILDA study (IDS-TILDA), which is internationally recognised as the first national longitudinal study on the ageing, health and wellbeing of older adults with an intellectual disability. Ensuring that Ireland is the best place to grow old for all members of our society. See http://www.tcd.ie/tcaid/.

Director Mary McCarron, R.M.H.N., R.G.N., R.N.T., B.N.S. (D.C.U.), M.A., PH.D., F.T.C.D. (2011) Associate Director Eilish Burke, B.N.S. (D.C.U.), M.SC.

TRINITY OSCAR WILDE CENTRE FOR IRISH WRITING

The centre was opened in January 1998 as the teaching and research centre for both the M.Phil. in Irish Writing and the M.Phil. in Creative Writing. Devoted to writing and research, the centre's main focus is on providing an academic yet lively environment for students of both M.Phil. graduate courses. As an interface between College and community, the centre plays a key role in bringing the achievement and ambition of writers and scholars to the attention of a wider public both at home and abroad.

Director of the M.Phil. in Irish Writing Eve Veronica Patten, B.A. (OXON.), M.PHIL., PH.D., F.T.C.D. (2006) Director of the M.Phil. in Creative Writing Deirdre Madden, B.A., M.A. (E. ANGLIA)

THE TRINITY PLATO CENTRE

The centre is designed to co-ordinate and direct activities in the field of Platonic philosophy in the Greater Dublin area (including Maynooth), to supervise graduate students, and to organise seminars, colloquia and reading groups. In co-operation with University College Dublin and the National University of Ireland, Maynooth it will offer an M.Litt. and Ph.D. in Neoplatonic Studies.

TRINITY RESEARCH IN CHILDHOOD CENTRE (TRICC)

The centre's mission is to integrate and promote research in all aspects of childhood, and in children's biological, psychological, cognitive, and socio-emotional development and well-being across College. The centre builds on and takes forward the work of the former Children's Research Centre (CRC), and the Trinity Children's Research Forum, in establishing a wide network of researchers across Trinity schools and faculties. The centre incoporates both the functions of the CRC and the Forum to provide a new organisational structure within Trinity to enable capacity building with respect to the production of research of international reach. The aim of TRICC is to promote Trinity as a centre of excellence in childhood research via the production of high level research and gathering of knowledge and skills to contribute to the improvement of children's health, wellbeing, development and learning.

AIB Professor of Childhood Research (2004) and Director of the Centre Trevor Spratt, B.Sc. (ULSTER), M.A., M.Sc. (OXON.), PH.D. (BELF.), DIP. SUPERVISORY MGMT (I.S.M.), C.Q.S.W. Co-directors Imelda Coyne, R.G.N., R.S.C.N., R.N.T., B.SC. (ROYAL COLLEGE OF NURSING), M.A., PH.D. (LOND.), DIP. N. (ROYAL COLLEGE OF NURSING), F.T.C.D. (2017) Eleanor Molloy, M.B. (N.U.I.), PH.D. (N.U.I.), F.R.C.P.C.H. (LOND.), F.R.C.P.I., F.T.C.D. (2015)

Inter Faculty Groupings

COMPARATIVE MEDICINE UNIT

Director Jose Sanchez Morgado, B.V.SC. (U.C. MADRID), M.SC. (R.V.C. LOND.), PH.D. (U.A. MADRID), E.C.L.A.M. Research Support Officer/Administrative Officer *Laavanya Parthasarathi, B.SC. (B'THIDASAN.), M.SC. (B'THIDASAN.), PH.D. (B'THIDASAN.) Chief Technical Officer, Grade I Viola Galligioni, M.V. (MEMPHIS STATE), PH.D. (BOLOGNA) Chief Technical Officer, Grade II Sylvia Mehigan, B.SC. (MIDDX.), F.I.A.T., R.AN.TECH. Senior Technical Officer Ciaran Gavagan Technical Officers Charles Murray Rustam Rakhmatullin, B.SC. (BASHKIR STATE UNIV.), M.SC. (BASHKIR STATE UNIV.) Mark Travers