

The Hardiman Research scholarships are open to students applying for a PhD in any one of NUI Galway's priority areas of research. The five areas of research covered by the Scholarships are:

[Biomedical Science and Engineering](#)
[Informatics, Physical, and Computational Sciences](#)
[Environment, Marine, and Energy](#)
[Applied Social Sciences and Public Policy](#)
[Humanities in Context](#)

Potential projects are listed under each area. Please select from one to three potential supervisors and enter their names on your Application form.

Biomedical Science and Engineering

Galway is one of four global hubs for the Medical Technologies industry and NUI Galway is Ireland's leading university for Biomedical Science and Engineering research. The National Centre for Biomedical Engineering Science (NCBES) is the University's flagship Biomedical Science and Engineering research institute. Our programmes combine fundamental and applied research with clinical translation, education and technology transfer. The major research clusters include: Regenerative Medicine and Developmental Biology; Cancer Biology and Therapeutics; Infection, Inflammation and Immunity; Neurosciences; Clinical and Health Sciences; and Biomedical Engineering.

Supervisor	Contact details	Current research interests
Aldabbagh, Dr Fawaz	T: +353 91 493 120 E: fawaz.aldabbagh@nuigalway.ie www.nuigalway.ie/chemistry/level2/staff/f_aldabbagh/Fawaz.htm	<i>Organic and Medicinal Chemistry</i> : synthesis of small molecule heterocyclic anti-cancer agents. Biochemical interactions with cancer pathways are being investigated. Polymers and Materials: controlled/living radical polymerizations in supercritical carbon dioxide, incl. synthesis of stimuli-responsive materials.
Barry, Dr Thomas	T: +353 91 493 189 E: thomas.barry@nuigalway.ie	The Molecular Diagnostics Research Group (MDRG) at NUI Galway has an international track record of achievement in the development and application of molecular diagnostics tests. The MDRG appoints postgraduate student to work on and develop molecular diagnostics tests in relevant areas of interest when funding is available.
Barry, Professor Frank	T: +353 91 495 108 E: frank.barry@nuigalway.ie www.remedi.ie	Stem Cell Biology. The project will investigate clonal heterogeneity of Mesenchymal Stem Cell cultures and identify in vivo antecedents. Unravelling the clonal heterogeneity in MSC cultures and identifying true progenitors will lead to optimally defined cell preparations for targeted and more efficacious therapies.
Boyd, Dr Aoife	T: +353 91 492 404 E: aoife.boyd@nuigalway.ie	<i>Vibrio parahaemolyticus</i> causes gastroenteritis following the consumption of contaminated shellfish. The Pathogenic Mechanisms research group investigates the interactions between this bacterium and epithelial cells of the human intestine in order to understand how bacteria manipulate eukaryotic cell signalling pathways and cell behaviour and thereby colonise the host and cause disease.
Bruzzi, Dr Mark	T: +353 91 493 036 E: mark.bruzzi@nuigalway.ie www.nuigalway.ie/mechbio/staff/staff_mb.html	Deformation and failure of engineering materials, deformation and failure of engineering materials, fatigue failure of solid materials, constitutive behaviour of biological materials, development of active materials, design and development of medical devices.

Byrnes, Dr Lucy	T: + 353 91 492 416 E: lucy.byrnes@nuigalway.ie www.nuigalway.ie/biochemistry	Developmental biology, gene expression in the early zebrafish embryo, role of IGF signalling in zebrafish, molecular and cellular basis of cardiovascular disease in zebrafish.
Callaghy, Professor Grace	T: +353 91 544 488 E: lorraine.murphy@nuigalway.ie www.nuigalway.ie/pathology	Research interests include; characterisation of precursor lesions of breast cancer; determinants of progression of breast cancer; classifications of lymph node involvement
Cannon, Dr Dara	T: +353 91 495 692 E: dara.cannon@nuigalway.ie www.nuigalway.ie/anatomy	Neuroimaging genotyping and psychiatric illnesses; Genetic variation and microstructural organization of white matter in psychosis.
Cantillon, Professor Peter	T: +353 91 493 524 E: una.stjohn@nuigalway.ie www.nuigalway.ie/general_practice	Areas of research include; chronic conditions and multimorbidity; service user involvement. In addition, migrant health and medical education.
Carroll, Dr Cyril	T: +353 91 492 277 E: cyril.carroll@nuigalway.ie www.nuigalway.ie/microbiology/dr__cyril_v__carroll.html	Detection, identification and epidemiology of bacterial food pathogens. Physiological stress response in bacteria and its effect on bacterial survival, virulence and gene expression. Effect of sub-inhibitory concentrations of antibiotics on the selection of resistance in bacterial pathogens. Biofilm formation. Use of seaweed extracts to limit <i>Campylobacter</i> infection of poultry
Carroll, Dr William	T: + 353 91 492 452 E: william.carroll@nuigalway.ie	The stability of metals and alloys in body fluid environments. The use of smart materials such as thermoresponsive polymers and shape memory metals in biomedical applications. The development of localised drug delivery systems for biomedical devices.
Carty, Dr Michael	T: +353 91 493 695 E: michael.carty@nuigalway.ie www.nuigalway.ie/biochemistry www.chromosome.ie/ccb/carty/	Investigation of the responses of human cells to DNA damage by ultraviolet light, ionising radiation and platinum-based chemotherapeutic drugs, including: characterisation of PIK kinase-mediated downstream signaling pathways; the role of DNA polymerase η in replication of damaged DNA; DNA damage responses in primary human cells and stem cells.
Casey, Dr Dympna	T: +353 91 493 652 E: dympna.casey@nuigalway.ie	Chronic disease management; structured education; self-management and COPD (PRINCE study) , Use of structured education programmes to manage type 1 diabetes (DAFNE study) ; exploring the impact of a Dementia Education programme focusing on reminiscence (DARES) and strategies to enhance self-management in T2DM, in particular for older populations.
Ceredig, Prof Rhodri	T: +353 91 495 916 E: rod.ceredig@nuigalway.ie www.remedi.ie	Haemopoietic stem cell biology Bulk mesenchymal stem cell cultures contain individual clonal populations with varying differentiation potential and immune modulatory potency. The project will explore if the potency and dominant immune modulatory mechanisms of MSC cultures can be modified for therapeutic application by clonal selection.

Cooney, Dr Adeline	T: +353 91 493 580 E: adeline.cooney@nuigalway.ie www.nuigalway.ie/nursing-midwifery/Staff/academic_staff/adelinecooney.html	Older people's quality of life in both long-stay and community settings; the concept of 'home' and finding home in long-stay settings; connectedness and older people; the use of reminiscence with older people including people with dementia; learning and teaching in nursing education and curriculum development.
Cormican, Dr Kathryn	T: +353 91 493 975 E: kathryn.cormican@nuigalway.ie www.nuigalway.ie/mechbio/staff/staff_kcormican.html	Co-innovation models for new product development, enterprise systems integration, product innovation management.
Cormican, Professor Martin	T: +353 91 542 686 E: debbie.monroe@nuigalway.ie www.nuigalway.ie/bac	Salmonella campylobacter; antimicrobial resistance in human and animal pathogens.
Devane, Professor Declan	T +353 91 495828 E declan.devane@nuigalway.ie www.nuigalway.ie/nursing-midwifery/Staff/academic_staff/declandevane.html	Maternity care including assessment of fetal wellbeing and models of maternity care; randomised trials; systematic reviews and meta analyses.
Dinneen, Sean	E: sean.dinneen@nuigalway.ie	Self-management education programmes for people with diabetes. The diabetic foot. Developing optimal models for community-based diabetes. Leadership and teamwork care. The role of information technology in diabetes care.
Dockery, Professor Peter	T: +353 91 492 180 E: valerie.kelly@nuigalway.ie www.nuigalway.ie/anatomy	Human myometrial extracellular matrix in obesity. The study analyzes pregnant myometrium from obese and non-obese women, in order to find a possible explanation for poor myometrial contractility during labour in obese women. This project links experts in uterine structure, extracellular matrix and obstetrics.
Donnellan, Dr Pat	T: +353 91 493 411 E: pat.donnellan@nuigalway.ie www.nuigalway.ie/mechbio/staff/staff_pd.html	Quality, safety, and environmental management. Operations management and regulatory systems. Operations systems and safety technology.
Dowd, Dr Eilis	T: +353 91 492 776 E: eilis.dowd@nuigalway.ie www.nuigalway.ie/pharmacology/	Development and validation of novel therapies for the neurodegenerative disorder, Parkinson's disease. Dr Dowd's research is focussed on experimental approaches that offer the possibility of halting the degenerative process associated with the condition. These include potential neuroprotective or neuroreparative pharmacotherapies, gene therapies or cell-based therapies.
Dowling, Dr Maura	T +353 91 493833 E: maura.dowling@nuigalway.ie www.nuigalway.ie/nursing.midwifery	Living with a cancer diagnosis; nurse patient relationships.

Doyle, Dr Karen	T: +353 91 493 665 E: karen.doyle@nuigalway.ie http://nuigalway.ie/physiology/StaffMain.html	Cell stress and neuroprotection. Broadly, my interest lies in understanding the pathological changes in the brain underpinning the development of neurological and psychiatric disorders, and investigating ways to convey neuroprotection, which may help to prevent or treat these diseases.
Dunne, Professor Fidelma	T: +353 91 544 206 E: una.oconnor@nuigalway.ie www.nuigalway.ie/dept_medicine/	Diabetes and pregnancy. Pre-pregnancy care. Screening in Primary Care. Interventions to prevent GDM and Type 2 diabetes following GD<.
Dwyer, Dr Róisín	T: +353 91 524 390 E: roisin.dwyer@nuigalway.ie www.nuigalway.ie/surgery	Research interests include investigating the potential of adult stem cells as vehicles for targeted delivery of therapeutic genes or their products to breast tumors, with a specific interest in imaging modalities to track MSC migration <i>in vivo</i> .
Egan, Dr Jonathan	T: +353 91 492 956 E: jonathan.egan@nuigalway.ie www.nuigalway.ie/psy/j_egan.html	Psychological factors related to cardiac rehabilitation outcomes and burnout and body-centred countertransference in psychologists.
Egan, Professor Lawrence	T: +353 91 492 246 E: una.ryan@nuigalway.ie www.nuigalway.ie/pharmacology	We are working to identify molecular mechanisms of inflammation-induced carcinogenesis in the gastrointestinal tract. Working with a multidisciplinary team of collaborators in NUI Galway and outside, we utilize molecular, pre-clinical, translational and epidemiological approaches to dissect this problem
Elliott, Dr Mark	T: +353 91 495 345 E: mark.elliott@nuigalway.ie www.nuigalway.ie/psychology/m_elliott_page.htm	Use of technologies especially EEG in neurophysiological therapies. Interactions of neurophysiological with ancillary treatments, sensory systems and dynamic (psychological) systems research. Psychophysics, psychometrics and cognitive neuroscience, especially related to visual phenomenology and auditory integration. Experimental aesthetics.
Erxleben, Dr Andrea	T: +353 91 492 483 E: andrea.erxleben@nuigalway.ie	Bioinorganic and medicinal inorganic chemistry. Projects are available in the following areas; antitumour active platinum complexes with receptor-specific carriers, metal-mediated DNA cleavage, metal ion—peptide interactions, small-molecule enzyme mimics, polymorphism and quantitative analysis of pharmaceutical solids.
Fallon, Dr Anne	T: +353 91 495 601 E: anne.fallon@nuigalway.ie	Research interests include breastfeeding, midwifery care, education for childbirth and parenting and maternity/women's health.
Fallon, Enda	T: +353 91 492 745 E: enda.fallon@nuigalway.ie	Human reliability in healthcare, patient safety, accountability in high risk systems, allocation of functions in complex systems, integrated management systems, ergonomics in construction, ergonomics in diverse work environments, health and safety in diverse work environments.

Fearnhead, Dr Howard	T: +353 91 495 240 E: howard.fearnhead@nuigalway.ie www.nuigalway.ie/pharmacology/	Repurposing Approved Drugs with Synergistic Activity against Cancer. Current cancer chemotherapy often fails and new, more effective therapies are required. Understanding how anti-cancer drugs kill cancer cells, and even more importantly, why cancer cells are often resistant, will improve our ability to treat cancer. Using cancer cell lines we investigate the mechanisms of cancer cell death using a range of cell biological and biochemical techniques, and with a particular focus on the regulation of programmed cell death.
Finn, Dr David	T: +353 91 495 280 E: david.finn@nuigalway.ie www.nuigalway.ie/pharmacology/Dr_David_Finn.html	Neurochemical, neuroendocrine and molecular mechanisms underlying pain, anxiety and anxiety-pain interactions. Affective and cognitive modulation of pain. Cannabinoid receptor pharmacology and the brain's endocannabinoid system. Neuroimmune mechanisms of relevance to pain, inflammation and mood disorders. An integrative, whole-systems neuroscience approach is employed.
Fitzgerald, Dr Una	T: +353 91 495 045 E: una.fitzgerald@nuigalway.ie	Stress signalling as a component of multiple sclerosis lesion pathogenesis and repair. Using brain slice methodologies and novel polymer-based nucleotide- and immunoglobulin-delivery systems, importance of ER stress to CNS de- and re-myelination will be determined. Collaborators will be with researchers in the Network of Functional Biomaterials, NUI Galway, and Imperial College London.
Flaus, Dr Andrew	T: +353 91 495 482 E: andrew.flaus@nuigalway.ie www.nuigalway.ie/biochemistry www.chromosome.ie/ccb/flaus/	Chromatin is the packaging of genomes in eukaryotes. We investigate the structure and function of chromatin at the molecular level using biochemical and bioinformatics techniques. We wish to understand how chromatin is dynamically remodelled during processes such as gene activation and DNA repair.
Flavin, Dr Richard	T: +353 91 544 488 E: richard.flavin@nuigalway.ie www.nuigalway.ie/pathology	My primary area of interest is in ovarian and prostate cancer specifically in the areas of translational medicine with particular emphasis on biomarker identification, functional genomics and microRNAs.
Frank, Dr Uri	T: +353 91 492 334 E: uri.frank@nuigalway.ie www.nuigalway.ie/zoology/frank/index.html www.remedi.ie	We use an invertebrate model and cell and molecular biology techniques to address fundamental questions in developmental biology and stem cell research. Among them are embryonic axis formation, regeneration, and cell fate stability.
Gaffney, Dr Geraldine	T: +353 91 493 537 E: geraldine.gaffney@nuigalway.ie www.nuigalway.ie/obsgyn	Obstetrics and cerebral palsy; thrombophilia in obstetrics; medical disorders in pregnancy; nephrology.
Garcia, Dr Yolanda	T: +353 91 492 837 E: yolanda.garcia@nuigalway.ie	Research interests include; Dermal wound healing, extracellular matrix, soft tissue repair, collagen scaffolds for tissue engineering, elastin-like polypeptides, controlled drug/ therapeutic agent release and dermal regeneration.
Giles, Professor Francis	T: +353 91 495 964 E: frank.j.giles@nuigalway.ie www.nuigalway.ie/hrb_crfg/	Clinical research; therapy for patients suffering from treatment-resistant or refractory cancer; development of novel drugs, immunotherapies, and other highly targeted approaches, including cancer-directed viruses.

Glynn, Dr Liam	T: +353 91 493 524 E: una.stjohn@nuigalway.ie www.nuigalway.ie/general_practice	Primary research interest is cardiovascular multimorbidity. Other research interests include falls prevention in the elderly, chronic kidney disease, hypertension, adherence to medication, and research capacity in primary care.
Gorman, Dr Adrienne	T: +353 91 492 417 E: adrienne.gorman@nuigalway.ie www.nuigalway.ie/biochemistry www.apoptosis.ie/gorman.html	Molecular and biochemical mechanisms of apoptotic cell death and survival. We take a cell biology approach using various in vitro cell culture models. We are interested in targeting neurotrophin growth factor-dependent cell survival pathways in cancer, particularly breast cancer, and in targeting proneurotrophin-mediated cell death in neurodegeneration.
Grealy, Dr Maura	T: +353 91 493 012 www.nuigalway.ie/pharmacology/Research_Activities.html	Sudden adult death is caused by a variety of cardiac muscle disorders all associated with mutations in desmosomal proteins. This project aims to mimic these mutations in zebrafish to examine the effects on development and to elucidate the signalling and structural defects underlying the disorders.
Griffin, Professor Matthew	T: +353 91 495 436 E: matthew.griffin@nuigalway.ie www.remedi.ie	Current areas of research in my laboratory include projects investigating the immunological mechanisms underlying kidney disease and organ transplant complications, the role of stem cell therapies in suppressing harmful immune responses, the immunomodulatory properties of active vitamin D compounds.
Gupta, Dr Sanjeev	T: +353 91 544 488 E: sanjeev.gupta@nuigalway.ie www.nuigalway.ie/pathology	Role of microRNAs in epithelial-mesenchymal transition (EMT) in breast cancer.
Howard, Dr Linda	T: 353 91 495 268 E: linda.howard@nuigalway.ie www.remedi.ie	The role of microRNAs during chondrogenesis. miRNAs regulated during chondrogenesis will be identified by microarray-based comparison. Functions during chondrogenesis and hypertrophic differentiation will be evaluated by overexpressing candidate miRNAs or using miRNA inhibitors. The mRNA targets of miRNAs which affect chondrogenesis and/or hypertrophy will be identified using computer-based target prediction software in combination with biochemical approaches.
Hynes, Dr Ailish	T: +353 91 493 573 E: ailish.hynes@nuigalway.ie	Reproductive physiology; follicle growth and development; ovulation control; preimplantation embryo growth and development.
James, Professor Jack	T:+353 91 493 287 E: j.james@nuigalway.ie www.nuigalway.ie/psychology/j_james_page.htm	Cardiovascular behavioural health, especially psychosocial factors affecting blood pressure level and hemodynamic profile; the psychopharmacology of dietary caffeine; and behaviour analysis.
Joshi, Professor Lokesh	T: +353 91 495 768 E: lokesh.joshi@nuigalway.ie www.agrc.ie www.glycoHIT.eu	Sugars coat every living cell. The lab is investigating the role of sugar-protein interactions in health and diseases. Current projects involve studies on cancer, stem cells, gut biology, pathogen and commensal microbes and biomarker discovery. The lab is developing next-generation high throughput discovery and analysis tools.

Kelly, Dr John	T: +353 91 493 268 E: john.kelly@nuigalway.ie www.nuigalway.ie/pharmacology/	A major obstacle in novel antidepressant development is appropriate preclinical evaluations. This project will develop a structured series of tests involving a number of paradigms that model different, yet clinically relevant depressive characteristics, sharing a number of behavioural and molecular endpoints which will provide important insight into novel antidepressant mechanisms.
Kerin, Professor Michael	T: +353 91 524 390 E: grace.clarke@nuigalway.ie www.nuigalway.ie/surgery	Research areas include; breast cancer research; cancer gene and MicroRNAs expression; mesenchymal stem cells/gene therapy; tumour microenvironment; population genetics; general surgical research and surgical education.
Kevin, Dr Leo	T: +353 91 495 662 E: anaesthesia@nuigalway.ie marion.fannon@nuigalway.ie www.nuigalway.ie/anaesthesia	Research areas include; Myocardial Preconditioning and mitochondrial dysfunction in sepsis.
Laffey, Professor John	T: +353 91 495 662 E: anaesthesia@nuigalway.ie marion.fannon@nuigalway.ie www.nuigalway.ie/anaesthesia	Mesenchymal Stem Cell (MSC) Therapy in a Lung IschaemiaReperfusion (IR) Model. Lung IR is a major complication after cardiac surgery and lung transplantation. Modified MSCs have been shown to be profoundly beneficial in septic and other acute lung injury. We will use primary cell culture and rat lung IR models to investigate the efficacy of modified MSC therapy for this condition.
Lahue, Professor Bob	T: +353 91 495 756 E: bob.lahue@nuigalway.ie www.nuigalway.ie/biochemistry www.chromosome.ie/ccb/lahue/	Molecular genetics of human neurological disease; trinucleotide repeat expansions; model systems to investigate the mechanism of expansions; identification of potential therapeutic targets to block expansion and disease; biochemistry and genetics of trinucleotide repeat expansions.
Leen, Professor Seán	T: +353 91 495 955 E: sean.leen@nuigalway.ie www.nuigalway.ie/mechbio/staff/staff_sbl.html	Computational solid mechanics, structural integrity, fatigue, fretting and wear, plasticity, creep and superplasticity, modelling of manufacturing processes.
Loftus, Professor B. Gerard	T: +353 91 493 627 E: debbie.monroe@nuigalway.ie www.nuigalway.ie/paediatrics	We are interested in the epidemiology of childhood allergy and asthma. Sequential studies of prevalence, and possible interaction with environmental factors are areas of particular interest.
Lowndes, Professor Noel	T: +353 91 492 41 E: noel.lowndes@nuigalway.ie www.nuigalway.ie/biochemistry www.chromosome.ie/ccb/lowndes/	Multiple projects are available within the following areas: biochemistry and genetics, cancer biology, casein kinase 2, chromatin structure and regulation, dna damage response (DDR)—mediators and p135 kinases, epigenetic regulation, genome stability, model eukaryotic systems, signal transduction.
McCarthy, Professor Peter	T: +353 91 524 222 E: radiology@nuigalway.ie www.nuigalway.ie/radiology	Barium imaging of colon cancer; orally administered negative contrasting agents in abdominal C.T. scanning; Computer tomography of pulmonary sarcoid; Extracorporeal Shock Wave Lithotripsy; ultrasound-guided biopsy and investigation of blunt renal trauma.
McCullagh, Dr Karl	T: +353 91 495 207 E: karl.mccullagh@nuigalway.ie www.remedi.ie	Gene therapy approaches for muscular dystrophy. The project is on the development of a gene therapy strategy for muscular dystrophy. Therapeutic transgenes will be examined in a pre-clinical genetic animal model. My interests are in understanding basic mechanisms of muscle biology and the application of genes/stem cells to disease where muscle is a target for therapy.

McDonald, Professor Colm	T: +353 91 750 486 E: marion.fannon@nuigalway.ie www.nuigalway.ie/psychiatry	Research areas include; neuroimaging and neurobiological abnormalities associated with psychotic and affective disorders; Impact of psychotropic medications and genetic liability upon brain structure & function; Structural MRI and Diffusion Tensor Imaging abnormalities in neuropsychiatric disorders; health services research and the impact of the Mental Health Act.
McDonnell, Dr John	T: +353 91 495 662 E: anaesthesia@nuigalway.ie marion.fannon@nuigalway.ie www.nuigalway.ie/anaesthesia	Regional anaesthesia techniques for post-operative analgesia.
McGarry, Dr Patrick	T: +353 91 493 165 E: patrick.mcgarry@nuigalway.ie www.nuigalway.ie/mechbio/staff/pmg.html	Multiscale cell and tissue mechanics. Active cell modelling. Biomechanics of hard and soft tissue. Cardiovascular and orthopaedic implant and device design. Linear and non-linear computational method development and application in biomedical and materials engineering.
McGuinness , Dr Bernadette	T: + 353 91 494 189 E: bernadette.mcguinness@nuigalway.ie	Dementia Delirium Falls.
McHugh, Professor Peter	T: +353 91 493 152 E: peter.mchugh@nuigalway.ie www.nuigalway.ie/mechbio/staff/staff_pmh.html	Computational micromechanics in the engineering analysis of complex materials and systems, biomechanics of hard and soft tissue, multi-scale analysis methods for determination of structure-property relationships in biological and implanted materials, computational methods in biomedical engineering applied to linear and non-linear problems, medical implant and device analysis and design.
McIntosh, Dr Caroline	T: +353 91 495 869 E: caroline.mcintosh@nuigalway.ie www.nuigalway.ie/podiatry/documents/cm_profile_for_website.pdf	Tissue viability/lower extremity wounds; diabetic foot disease.
McKernan, Dr Declan	T: +353 91 493 826 E: declan.mckernan@nuigalway.ie www.nuigalway.ie/pharmacology/	Immunoregulation of the Brain-Gut Axis Investigation of the effects of stress and inflammation on brain-gut signalling with regards to visceral pain in the context of irritable bowel syndrome and inflammatory bowel disease. Focus will be on TLR expression/activity in distinct regions of the gut and enteric nervous system.
McMahon, Dr Siobhan	T: +353 91 492 838 E: siobhan.mcmahon@nuigalway.ie www.nuigalway.ie/anatomy	Explore the use of stem cells and gene therapy in treatment of nerve regeneration and glial scarring. A glial scar formed mainly of astrocytes forms following spinal cord injury. We are investigating reduction of this scar to promote axonal regeneration across the site of injury.
McNamara, Dr Laoise	T: +353 91 492 251 E: laoise.mcnamara@nuigalway.ie www.nuigalway.ie/mechbio/staff/staff_lmn.html	Mechanical characterisation of biological tissues. Bone cell biology. Mechanobiology. Bone tissue regeneration in vitro. Finite element modelling. Adaptive modelling of biological processes.

McStay, Professor Brian	T: +353 91 492 423 E: brian.mcstay@nuigalway.ie www.nuigalway.ie/biochemistry www.chromosome.ie/ccb/mcstay/	Nucleoli, the site of ribosome biogenesis, form around arrays of ribosomal gene repeats termed nucleolar organiser regions. Work in my laboratory aims to establish the basic mechanisms underlying nucleolar formation. In addition to expanding our understanding of genome organisation within the human nucleus this will have implications for human disease.
Miller, Dr Nicola	T: +353 91 524 390 E: nicola.miller@nuigalway.ie www.nuigalway.ie/surgery	Main areas of research interest are population genetics and molecular profiling in breast cancer.
Morrison, Professor Ciaran	T: +353 91 492 056 E: ciaran.morrison@nuigalway.ie www.nuigalway.ie/biochemistry www.chromosome.ie/ccb/morrison/	Research in our group asks how DNA damage affects the cell cycle and how such damage is identified, signalled and repaired within stem cells, cancer cells and senescent cells. This question is very important in ageing and cancer biology. Available projects involve molecular/ cell biology, genetics and advanced microscopy.
Morrison, Professor John J.	T: +353 91 493 537 E: breda.kelleher@nuigalway.ie www.nuigalway.ie/obsgyn	Research interests include: preterm labour; myometrial physiology; placental biology; fetal disorders; molecular aspects of parturition; obstetrics and cerebral palsy.
Murphy, Dr Mary	T: +353 91 495 206 E: mary.murphy@nuigalway.ie www.remedi.ie	Stem cells in orthopaedic applications. The project will elucidate the paracrine potential of stem cells in the treatment of osteoarthritis. Active paracrine factors released by transplanted stem cells in the OA joint contribute to the repair process by reduction of inflammation and mobilization of host cells.
Murphy, Professor Andrew	T: +353 91 493 524 E: una.stjohn@nuigalway.ie www.nuigalway.ie/general_practice	Chronic disease management. Professional practice in the community.
Murphy, Professor Kathy	T +353 91 493 344 E: kathy.murphy@nuigalway.ie	Chronic disease management including diabetes and pulmonary disease; older people including quality of life; advanced practice; dementia.
Murphy, Professor Paul	T: +353 91 492 465 E: paul.v.murphy@nuigalway.ie www.nuigalway.ie/murphygroup	Organic synthesis. Total synthesis of bioactive compounds including natural products. Development of anti-cancer and anti-infective agents. Carbohydrate chemistry.
Nasheuer, Dr Heinz-Peter	T: +353 91 492 430 E: heinz.nasheuer@nuigalway.ie www.nuigalway.ie/biochemistry www.chromosome.ie/ccb/nasheuer/	We investigate the mechanisms controlling growth and division of human cells using advanced fluorescence microscopy techniques, co-immunoprecipitations, mass spectrometry, and biophysical methods. Moreover, we are interested in the Systems Biology of human stem cells and use quantitative microscopy techniques to analyse protein mobility and protein-protein interactions in living cells.

Neligan, Dr Patrick	T: +353 91 495 662 E: anaesthesia@nuigalway.ie marion.fannon@nuigalway.ie www.nuigalway.ie/anaesthesia	Mechanical ventilation in critical illness.
Ó Laighin, Professor Gearóid	T: +353 91 492 685 E: gearoid.olaighin@nuigalway.ie www.nuigalway.ie/golaighin	Biomedical engineering, biomedical electronics, cardiovascular electronics, rehabilitation engineering, ambient assisted living, neuromuscular electrical stimulation, connected health.
O'Brien, Professor Timothy (only in terms of REMEDI)	T: +353 91 495 107 E: timothy.obrien@nuigalway.ie www.remedi.ie	Clinical trials for peripheral vascular disease. The project will use a multi-disciplinary approach for developing new therapies for critical limb ischemia. Gene delivery and stem cell biology technologies will be coupled to a biomaterials approach to regeneration and repair in a model of this important clinical human disease.
O'Byrne, Dr Conor P	T: +353 91 493 957 E: conor.obyrne@nuigalway.ie www.nuigalway.ie/microbiology/cpoblab/	Bacterial food-borne pathogens have sophisticated systems that allow them to sense and adapt to rapidly changing environments (e.g., the transition from food to host). Research in the lab focuses on both the sensory mechanisms and the adaptive systems in two model bacterial pathogens, <i>Listeria monocytogenes</i> and <i>Escherichia coli</i> . Genetic and molecular biology approaches are applied to understand how these pathogens achieve efficient adaptation, with the ultimate goal of preventing and treating food-borne infections.
O'Regan, Anthony	T: +353 91 544 568 E: anthony.oregan@hse.ie	Granulomatous diseases, allergic disease and B cell immunology
Pandit, Professor Abhay	T: +353 91 492 758 E: abhay.pandit@nuigalway.ie www.nuigalway.ie/mechbio/staff/staff_ap.html	Extracellular matrix development for soft tissue applications. Delivery of therapeutic (viral and non-viral) biomolecules. Delivery through novel tethering mechanisms. Tissue engineering: scaffold design, biomimetics. Biomaterial enhanced repair and regeneration.
Quinlan, Dr Leo	T: +353 91 493 710 E: leo.quinlan@nuigalway.ie http://nuigalway.ie/physiology/StaffMain.html	Noisy neurons and stochastic resonance, the future of non-invasive neurological treatment. Can neural signalling improvements measured in people through applied electrical noise be explained at single cell / channel level, a multi-discipline, physiological and electrical engineering approach to unraveling a potentially untapped route to new treatment regimes in neuroscience.
Quinlan, Dr Nathan	T: +353 91 492 726 E: nathan.quinlan@nuigalway.ie www.nuigalway.ie/mechbio/staff/staff_njq.html	Biomedical fluid dynamics in pulmonary, cardiovascular and cellular applications, with experimental and computational methods. Development of novel mesh-free computational fluid dynamics methods—smoothed particle hydrodynamics and the finite volume particle method.
Quondamatteo, Dr Fabio	T: +353 91 492 161 E: fabio.quondamatteo@nuigalway.ie www.nuigalway.ie/anatomy/fabiobio.html	Cell biological role of basement membrane and extracellular matrix components in vivo, cell-matrix interactions and signalling. In vivo study of glycosylation, this is a useful tool for exploring functional changes in the tissue within a number of processes such as development or malignancies. Normal and pathologic development.

Rea, Dr Stephen	T: +353 91 495 750 E: stephen.rea@nuigalway.ie www.nuigalway.ie/biochemistry www.chromosome.ie/ccb/rea/	It was recently shown that loss of hMOF and the resulting reduction in Histone H4 lysine 16 acetylation levels are frequent occurrences in various human cancers. This project will investigate the normal functions of hMOF, and how its loss contributes to tumour development.
Reddan, Dr Donal	T: +353 91 544 206 E: donal.reddan@hse.ie	Chronic kidney disease and cardiovascular risk; contrast induced acute kidney injury; anemia of chronic kidney disease.
Ritter, Dr Thomas	T: +353 91 495 329 E: thomas.ritter@nuigalway.ie www.remedi.ie	Gene therapy approaches for diseases of the eye. Novel Therapeutic Approaches For the Treatment of Autoimmune Disease in The Eye (Dry Eye Syndrome). Dry eye disease is a common yet frequently under-recognized public health problem whose etiology and management challenge clinicians and researchers. This project will involve work with stem cells, intelligent biomaterials and disease models.
Roche, Dr Michelle	T: +353 91 495 427 E: michelle.roche@nuigalway.ie	The role of various neurotransmitter systems including the endocannabinoid system in the regulation of neuroinflammation, pain, stress and depression.
Rochev, Dr Yury	T: + 353 91 49 2806 E: yury.rochev@nuigalway.ie	Design and development of new smart biomaterials, polymer-based drug delivery systems, tissue engineering products, as well as nano- and micro-scale characterisation of biomaterials and medical devices.
Samali, Professor Afshin	T: +353 91 492 440 E: afshin.samali@nuigalway.ie www.nuigalway.ie/biochemistry www.apoptosis.ie/samali.html	We examine how cells react during stress. Stress can trigger adaptive mechanisms, allowing cells to cope with and overcome the stress. Severe stress, however, will trigger an intrinsic suicidal destruction mechanism termed apoptosis. We study the molecular mechanisms underlying these stress responses to gain better understanding of human diseases, such as cancer and neurodegeneration.
Santocanale , Professor Corrado	T: +353 91 495 174 E: corrado.santocanale@nuigalway.ie http://ncbes.eurhost.net/bio/corrado-santocanale.aspx www.chromosome.ie/ccb/santocanale/	DNA replication and cancer therapeutics.
Schlosser, Dr Gerhard	T: +353 91 495 978 E: gerhard.schlosser@nuigalway.ie www.nuigalway.ie/zoology/schlosser/	Development and evolution of vertebrate nervous and sensory systems. In particular: embryonic development of cranial sense organs in amphibians; evolutionary origin and diversification of cranial sense organs; evolution of developmental mechanisms.
Sharif, Dr Faisal	T: +353 91 495 166 E: faisal.sharif@nuigalway.ie www.nuigalway.ie/remedi/	Key area of interest: vascular biology and gene eluting stents; translational medicine focusing on cardiovascular clinical trials for medical devices and basic science outputs; myocardial regeneration.

Shen, Sanbing	T: +353 91 494 261 E: sanbing.shen@nuigalway.ie.	Induced pluripotent stem cells, neuronal differentiation, neurological diseases, biomarkers, mouse genetic modeling.
Shiel, Professor Agnes	T: +353 91 492 957 E: agnes.shiel@nuigalway.ie www.nuigalway.ie/faculties_departments/occupational_therapy/staff/agnes_shiel.html	Acquired brain injury in adults; acquired disorders of consciousness: coma, the vegetative state and the minimally conscious state.; evidence based practice; neuro rehabilitation; cognitive and neuropsychological rehabilitation.
Smith, Professor Terry	T: +353 91 495 488 E: terry.smith@nuigalway.ie http://ncbes.eurhost.net/bio/terry-smith.aspx	Investigation of the molecular and cellular basis of human diseases (pregnancy associated disorders, cancer, and Infectious disease) using functional genomics approaches. Analysis of disease-association and biological/functional significance of regulation of gene expression .
Spillane, Professor Charles	T: + 353 91 494 148 E: charles.spillane@nuigalway.ie www.nuigalway.ie/spillanelab/welcome.html	Research interests include both fundamental and applied research on topics of genetic, epigenetic and/or biotechnological interest, using a combination of wet-lab and bioinformatic approaches. The lab conducts genetics research on both plant and animal systems, with a particular focus on harnessing the power of model genetic organisms such as Arabidopsis thaliana. Our group also has research interests in science policy and communication.
Sullivan, Professor Frank	T: +353 91 495 165 E: frank.sullivan@hse.ie http://ncbes.eurhost.net/prostate-cancer.aspx	Broad areas of interest in prostate and lung cancers, as well as novel radiation techniques including IMRT and stereotactic radiosurgery.
Sullivan, Professor Kevin	T: +353 91 492 434 E: kevin.sullivan@nuigalway.ie www.nuigalway.ie/biochemistry www.chromosome.ie/ccb/sullivan/	Chromosome transmission is directed by centromeres, specialized loci that function during cell division to move chromosomes and regulate mitosis. Our work seeks to understand how centromeric chromatin is replicated during the cell cycle, using combined genetic, biochemical and cellular approaches with a focus on observing events in living cells.
Szegezdi, Dr Eva	T: +353 91 495 037 E: eva.szegezdi@nuigalway.ie www.apoptosis.ie/szegezdi.html	The Death-Receptor Signalling Research Group studies the mechanism of signal transduction in order to understand the driving forces of cancer progression and identify targets for therapy. Based on this information we are developing novel therapeutics that can block pro-survival signalling and thus channel signal transduction towards apoptosis.
Wall, Dr Gerard	T: +353 91 495 808 E: gerard.wall@nuigalway.ie www.nuigalway.ie/microbiology/dr_gerard_wall.html	Drug delivery, targeted therapy, antibody engineering, recombinant protein expression systems, immunosensor development, glycoengineering of recombinant proteins, novel therapeutics.
Wang, Dr Wenxin	T: +353 91 493 131 E: wenxin.wang@nuigalway.ie www.nuigalway.ie/mechbio/staff/staff_ww.html	Functional dendritic polymers for controlled drug delivery and tissue engineering. Multifunctional nanocarriers (nanoparticles, micelles, vesicles) for therapeutic biomolecular delivery. Functional biomaterials for wound healing. Temperature. PH and ion responsive polymeric materials. Controlled/living polymerisation techniques.
Wheatley, Professor Antony	T: +353 91 492 361 E: antony.wheatley@nuigalway.ie http://nuigalway.ie/physiology/StaffMain.html	Liver regeneration and the innate immune system. Immune-mediated liver injury. Microcirculation in health and disease (hepatic, renal, skeletal muscle, GI tract).

Woods, Professor Robert	T: + 353 91 495 436 http://ncbes.eurhost.net/bio/rob-woods.aspx rob.woods@nuigalway.ie	Research interests include the conformations of carbohydrate molecules and biological recognition and activity, particularly the mechanisms involved in carbohydrate recognition in immunological events. Research includes examinations of bacterial antigen-antibody interactions, as well as carbohydrate-lectin interactions. More applied aspects of the research include the screening of synthetic combinatorial peptide libraries for peptides that bind to carbohydrate receptor proteins (antibodies and lectins) and their subsequent co-crystallization with the receptor.
Zeugolis, Dr Dimitrios	T: +353 91 493 166 E: dimitrios.zeugolis@nuigalway.ie www.nfb.ie/people/zeugolis-dimitrios	Bottom-up approaches to build constructs that closely imitate properties of native tissues. Biomaterial functionalisation (incorporation of biophysical cues, biochemical signals), to provide therapeutic interventions for treatment of soft/hard tissue injuries/degenerative conditions. Modulation of the in vitro microenvironment (3D structures, macromolecular crowding, hypoxia) to enable clinical translation of cell-based therapies.
Zwacka, Dr Ralf	T: + 353 91 495 323 E: ralf.zwacka@nuigalway.ie	Molecular mechanisms underpinning tumour development.

Informatics, Physical, and Computational Sciences

The objective of this priority research area is to support research in mathematics, core physical sciences, and Information Technology leading to new technologies and contributing to the knowledge-based economy in Ireland. Our research addresses the problems presented by vast data sets flowing from activities in e.g., Biology, Chemistry, and Astronomy that need significant computing power to reduce, analyse and visualise. Further, we research modelling and simulation, which are integral to almost all physical and biological sciences. Our major research clusters include: Applied Computing and Semantic Web; Applied Photonics and Medical Physics; Astronomy; Mathematics; and Modelling, Simulation, Applied Mathematics and Statistics. The Digital Enterprise Research Institute (DERI) is the world's largest institute for semantic web research and is a Science Foundation Ireland Centre for Excellence in Science and Technology.

Supervisor	Contact details	Current research interests
Aramayona, Dr Javier	E: javier.aramayona@nuigalway.ie	I am interested in certain spaces of surfaces, known as moduli spaces, and their symmetries. There are a number of interesting open problems about the geometry and rigidity of these spaces. Such problems lie at the intersection of Geometry, Topology and Group Theory, and are quite often amenable at combinatorial arguments.
Bigioi, Dr Petronel	T: + 353 91 492 032 E: petronel.bigioi@nuigalway.ie ww2.it.nuigalway.ie/staff/pbigioi/	Embedded systems. Digital imaging.
Breslin, Dr John	T: +353 91 492 622 E: john.breslin@nuigalway.ie http://johnbreslin.org/	Social semantic web and integrating the Web with electronic devices/sensor systems.
Burns, Dr John	E: john.burns@nuigalway.ie	Compact homogeneous spaces with positive Euler characteristic. The project will be concerned with the study of a topological invariant of the class of manifolds in the title. This invariant was introduced by Salamon (motivated by the study of hyper-Kaehler structures) and was computed for several classes of symmetric spaces. These computations will be extended to equal rank homogeneous spaces. The relation of this invariant to the Chern classes of these spaces and the exponents of the corresponding Lie group will be studied.
Butler, Dr Ray	T: +353 91 493 788 E: ray.butler@nuigalway.ie http://astro.nuigalway.ie/staff/rbutler/	We develop astronomical imaging and software technologies to study (1) Globular Star Cluster populations and dynamics, (2) Variable stars—cluster RR Lyrae, nearby ultra-cool dwarfs. We work on: high cadence imaging and spectroscopy; data-reduction pipelines; crowded-field photometry; deconvolution; multi-wavelength astrometry; image simulation; sensor characterization; exposure time calculators; filter design.
Byrne , Pat	T: + 353 91 493 332 E: pat.byrne@nuigalway.ie	Social impacts of ICT.
Chambers, Dr Des	T: +353 91 493 311 E: des.chambers@nuigalway.ie www.it.nuigalway.ie/staff/des_chambers.html	Applications of wireless sensor networks in healthcare. Bioinformatics, optimising methods and algorithms for Genome Anchoring of low coverage DNA samples. Broadband access technologies, including fibre to the home and next generation networks.
Corcoran. Dr Peter	T: + 353 91 492 764 E: peter.corcoran@nuigalway.ie www.eee.nuigalway.ie/Staff/pcorcoran.html	Embedded systems, multimedia home networking, digital imaging, biometrics, wireless, and powerline.
Crowley, Dr Peter	T: +353 91 492 480 E: peter.crowley@nuigalway.ie www.nuigalway.ie/chemistry/crowley	Protein-based molecular devices are the future of the biomedical and biotech industries. The Crowley lab is developing new methods to control protein self-assembly, which provides the cornerstone for this important field. We are seeking a talented and highly-motivated chemistry graduate (or related discipline) to join our SFI-funded team.

Cruickshank, Dr James	E: james.cruickshank@nuigalway.ie	Rigid frameworks and mechanical linkages arise naturally in many scientific and engineering contexts. We propose to investigate sufficient conditions for a three dimensional framework to be rigid and in the case when it is not rigid to investigate the topology of the configuration space.
Decker, Professor Stefan	T: +353 91 495 011 E: stefan.decker@deri.org www.stefandecker.org/	Linked data; social semantic networks; semantic web; collaborative systems.
Destrade, Professor Michel	T: +353 91 492 344 E: michel.destrade@nuigalway.ie www.maths.nuigalway.ie/~destrade	Elastic waves and stability; mechanics of soft solids; biomechanics of soft tissues, see www.maths.nuigalway.ie/~destrade
Devaney, Dr Nicholas	T: +353 91 495 188 E: nicholas.devaney@nuigalway.ie http://optics.nuigalway.ie/people/devaney	The enhancement of microscopy using adaptive optics and computational imaging techniques. Image processing of high-resolution retinal images in order to enhance the detailed study of retinal disease. Optimized detection of lesions in mammographic images. The detection of extrasolar planets using images obtained in several wavelengths.
Duggan, Dr Jim	T: +353 91 493 336 E: jim.duggan@nuigalway.ie www.it.nuigalway.ie	Complex systems analysis and simulation. System dynamics. Agent-based simulation. Policy optimisation. Applications in healthcare and business intelligence.
Eaton, Dr John	T: +353 91 492 769 E: john.eaton@nuigalway.ie www.nuigalway.ie/mechbio/staff/staff_jae.html	Computational and experimental fluid dynamics. Aerodynamics of flight vehicles, propulsion systems and components. Aeroacoustics of turbulent flows. Turbomachinery fluid dynamics. Biofluid mechanics and flow systems. Multidisciplinary design optimisation.
Ellis, Professor Graham	E: graham.ellis@nuigalway.ie	Algorithmic algebraic topology. This project is aimed at designing practical algorithms for making computations in algebraic topology. One goal is to use perturbation techniques for computing integral cohomology ring structures of large data sets. See http://hamilton.nuigalway.ie for more details.
Flannery, Dr Dane	E: dane.flannery@nuigalway.ie	This project is in Computational Group Theory (CGT), a highly active part of modern applicable mathematics. We will establish a new branch of CGT: computing with matrix groups over infinite domains. Specifically, we will develop innovative techniques for investigating solvable-by-finite and arithmetic groups, and compiling databases of finite linear groups.
Foley, Dr Mark	T: +353 91 495 383 E: mark.foley@nuigalway.ie www.nuigalway.ie/physics/staff_pages/m_foley/research.html	Current research includes investigations which aim to improve radiotherapy treatment using Monte Carlo (MC) simulations and a project which involves the development of novel medical imaging systems. Some details and selected publications can be found at www.nuigalway.ie/physics/staff_pages/m_foley/research.html
Geraghty, Dr Niall	T: +353 91 492 474 E: niall.geraghty@nuigalway.ie www.nuigalway.ie/chemistry	The photochemical generation of carbon radicals for synthetic purposes, solar photochemical synthesis, the synthesis of highly strained small ring compounds, the use of molecular modelling in probing the reactivity of organic molecules.
Gillanders, Dr Gary	T: +353 492 529 E: gary.gillanders@nuigalway.ie http://astro.nuigalway.ie/staff/ggillanders/	Gamma-ray Astronomy. About one hundred astrophysical sources of very high energy gamma radiation ($E > 100\text{GeV}$) are known, including nearby supernova remnants and distant active galactic nuclei. Research involves using the VERITAS telescope array to study these objects to help uncover how they produce radiation with such incredible energies.
Glavin, Dr Martin	T: + 353 91 492 035 E: martin.glavin@nuigalway.ie www.eee.nuigalway.ie/Staff/mglavin.html	Digital signal processing and embedded systems for automotive and biomedical applications.
Goncharov, Dr. Alexander	T: +353 91 495 189 E: alexander.goncharov@nuigalway.ie http://optics.nuigalway.ie/people/sasha/sasha.html	Current research interests: astronomical, adaptive and ophthalmic optics, modeling of the human eye, optical metrology and instrumentation.

Griffith, Josephine	T: +353 91 493 717 E: josephine.griffith@nuigalway.ie linitweb.it.nuigalway.ie/staff/griffith/	With the growth of collaborative information spaces and the overload of content in the online spaces we use, techniques for analysing, recommending and filtering this information have become increasingly important. I am interested in approaches for the analysis of the information with the aim of improved filtering and recommendation techniques.
Handschuh, Dr Siegfried	T: +353 91 495 085 E: siegfried.handschuh@deri.org www.deri.ie/about/team/member/siegfried_handschuh/	Web; semantic web; linked data distributional semantics for the web and linked data natural language processing; information extraction text analysis (e.g., sentiment analysis) of social media; such as tweets and email intelligent document retrieval and information visualisation artificial intelligence; knowledge representation and capturing personal information management.
Hauswirth, Professor Manfred	T: +353 91 495 009 E: manfred.hauswirth@deri.org www.manfredhauswirth.org/	Linked data streams; semantic sensor networks; sensor networks middleware; large-scale semantics-enabled distributed information systems and applications; peer-to-peer systems; Internet of things; self-organization and self-management.
Hill, Seamus	T: + 353 495 232 E: seamus.hill@nuigalway.ie	Data mining and evolutionary algorithms
Hinde, Professor John	T: +353 91 492 043 E: john.hinde@nuigalway.ie www.nuigalway.ie/mathsjh/	General interests in the theory and practice of statistical modelling and statistical computing. Specific areas include random effects and mixture models, overdispersion, model-based clustering, the EM algorithm and models for discrete data. Possible application areas include biological, environmental and agricultural sciences, clinical research, social sciences and educational research.
Jennings, Dr Kevin	E: kevin.jennings@nuigalway.ie	Hunting for Perfectly Nonlinear Polynomials over Finite Fields: If a polynomial's effect is to permute the elements of a finite field we call it a permutation polynomial. A perfectly nonlinear function, f , is one for which $f(x+h)-f(x)$ is a permutation polynomial for each element h in the field. These are rare, elusive and useful.
Jones, Dr Edward	T: + 353 91 492 720 E: edward.jones@nuigalway.ie www.eee.nuigalway.ie/Staff/ejones.html	Digital signal processing, with applications in speech and audio processing, automotive image processing, biomedical engineering, and mobile healthcare.
Jones, Dr Leigh Fon	E: leigh/jones@nuigalway.ie www.nuigalway.ie/chemistry/level2/staff/leigh_jones/lj_rese arch.html	Molecular magnetism, single-molecule magnets, molecular coolants, metal-organic frameworks, solid state host-guest magnetic materials.
Kilmartin, Liam	T: + 353 91 492 749 E: liam.kilmartin@nugialway.ie www.eee.nuigalway.ie/Staff/lkilmartin.html	Speech and audio processing, fixed and mobile network modelling, bio-signal processing, application of machine learning algorithms.
Krnjajic, Dr Milovan	E: milovan.krnjajic@nuigalway.ie	Bayesian non-parametric models allow for specification of prior distributions on function spaces which results in flexible statistical analyses of complex data. The project involves development of such models and implementation of corresponding inference engines using Markov chain Monte Carlo simulations in a variety of application settings.
Lang, Dr Mark	T: +353 493 241 E: mark.lang@nuigalway.ie http://astro.nuigalway.ie/staff/mlang/	Gamma-ray Astronomy. About one hundred astrophysical sources of very high energy gamma radiation ($E > 100 \text{ GeV}$) are known, including nearby supernova remnants and distant active galactic nuclei. Research involves using the VERITAS telescope array to study these objects to help uncover how they produce radiation with such incredible energies.
Leahy, Professor Martin J.	T: +353 91 494260 E: martin.leahy@nuigalway.ie http://tomi.nuigalway.ie	Tissue optics and microcirculation imaging, biophotonics, photoacoustics, optical coherence tomography (OCT), blood perfusion, skin, brain, microvascular and vascular imaging, biomedical imaging relating to cancer, diabetes and the eye.

Lyons, Professor Gerard	T: + 353 91 3158 E: gerard.lyons@nuigalway.ie	Medical informatics. Process modelling and simulation.
Madden, Dr Michael	T: +353 91 493 797 E: michael.madden@nuigalway.ie datamining.it.nuigalway.ie	Artificial intelligence, data mining, machine learning, algorithms for classification and numeric prediction, new methods for combining domain knowledge with data mining, time series data analysis, probability, reasoning under uncertainty, and Bayesian networks, reinforcement learning, practical applications of data mining and machine learning in science, engineering, and medicine.
Madden, Dr Niall	T: + 353 91 493 541 E: niall.madden@nuigalway.ie www.maths.nuigalway.ie/~niall	Numerical analysis: the design and analysis of novel methods to solving differential equations and linear systems, and the application of these methods in numerical modelling and simulation.
Mc Gettrick, Dr Michael	E: michael.mcgettrick@nuigalway.ie	PhD project is in the area of quantum computation, more specifically, Quantum Random Walks (QRW). The main idea is to see how well we can simulate QRWs in two dimensions by using a one-dimensional "coin". The main application will be in the creation of new efficient algorithms in computing. Please see www.maths.nuigalway.ie/~gettrick/
McCluskey, Dr Aisling	E: aisling.mccluskey@nuigalway.ie	This research proposal resides within the field of Mathematics Education. It proposes to undertake an in-depth study of the mathematical ability and creativity of mathematics students across two institutions, NUI Galway and Queen's University Belfast, against the backdrop of very different education systems. My other research interests lie within analytic topology and order theory.
Meere, Dr Martin	E: martin.meere@nuigalway.ie	Quantum dots are small (nanometre scale) fluorescent semiconductor crystals that are used to image dynamic processes in cells. This project will involve developing mathematical models for the uptake and re-distribution of quantum dots in cells. The work will be in collaboration with experimentalists working in the NCBES at NUI Galway.
Melvin, Dr Hugh	T: + 353 94 493 716 E: hugh.melvin@nuigalway.ie www.it.nuigalway.ie/staff/hugh_melvin.html	Research interests include Internet Multimedia, especially VoIP; Synchronised Time Services; Use of IT within the process industry for monitoring, analysis & control; and Smart technologies
Molloy, Dr Owen	T: +353 91 493 330 E: owen.molloy@nuigalway.ie www2.it.nuigalway.ie/omolloy/	Business process monitoring/management. Business analytics.
Moore, Dr Kathryn	T: + 353 91 3682 E: kathryn.moore@nuigalway.ie www.nuigalway.ie/eos/staff/academic_staff/moore_k/moore_k.html	Igneous petrology. Biophysics: investigating the use of Single molecule detection and advanced microscopy based methods for protein-surface and polymer characterisation.
Morgan, Dr Fearghal	T: + 353 91 493 136 E: fearghal.morgan@nuigalway.ie www.eee.nuigalway.ie/staff/fmorgan.html	Bio-Inspired Electronics and Reconfigurable Computing—BIRC (www.birc.nuigalway.ie)
Mulvihill, Dr Conn	T: + 353 91 493 910 E: conn.mulvihill@nuigalway.ie	CSCW. Security.

Newell, Dr John	E: john.newell@nuigalway.ie	Clinical trial design, cluster randomized trials, tree based methods for developing clinical prediction rules, survival analysis and competing risks theory.
O'Connor, Dr Gerard	T: +353 91 492 513 E: gerard.oconnor@nuigalway.ie	Projects are offered in short pulse laser ablation of different materials for advanced manufacturing of micron / nanometre-scale structures. PhD research projects investigate the laser-material-ambient interactions. PhD research is supported by taught programmes and industrial participation.
O'Leary, Dr Patrick	T: +353 91 492476 E: patrick.oleary@nuigalway.ie www.nuigalway.ie/chem/PFOLeary/index.htm	Asymmetric catalysis, ligand design, chiral synthesis, synthetic method development. Projects: We have recently developed a novel ligand class the 4,4' BOX ligands. This project aims to make the second generation of these ligands building selectivity and activity. We will also introduce additional functionality into the ligands to make hybrid ligands.
Olivo, Professor Malini	T: +353 91 497 070 E: malini.olivo@nuigalway.ie www.nuigalway.ie/physics/staff_pages/m_olivo/	<i>Current research project:</i> tumour-specific nano-sensitizers for multi-modality optical diagnostic imaging and therapy of oral cancer. Research interests: biophotonics in medicine and biology. Anoscale biophotonics. Nanomedicine.
O'Riordan, Colm	T: +353 91 493 114 E: colm.oriordan@nuigalway.ie	Information Retrieval; Evoluntary Computation; Computational Intelligence in Games; Multi-Agent systems and Evolutionary Game Theory.
Pfeiffer, Dr Goetz	E: goetz.pfeiffer@nuigalway.ie	Computational Algebra, representation of finite groups, Finite Coxeter groups and related combinatorial and algebraic structures.
Piironen, Dr Petri	E: petri.piironen@nuigalway.ie	Periodic orbits of mechanical systems with impacts have the possibility to undergo grazing bifurcations caused by low-velocity impacts. This project will shed a light on these phenomena by using a novel approach called discontinuity geometry to develop analysis and control methods for the overall dynamics in impacting systems.
Quinlan, Dr Rachel	T: + 353 493 756 E: rachel.quinlan@nuigalway.ie www.maths.nuigalway.ie/~rquinlan	My research interests are in linear algebra and its interactions with such areas as combinatorics, representation theory, field theory, and finite group theory. Details available on my website www.maths.nuigalway.ie/~rquinlan. I am also interested in mathematics education research at university level. I would welcome applications in either of these areas.
Redfern, Dr Sam	T: +353 91 493 670 E: sam.redfern@nuigalway.ie www.it.nuigalway.ie/~sredfern/	Digital image processing, games technologies, artificial intelligence.
Redman, Dr Matt	T: + 353 91 49 3357 http://astro.nuigalway.ie/staff/mredman/matt.redman@nuigalway.ie	Star formation and star destruction processes.
Roever, Dr Claas	E: claas.roever@nuigalway.ie	There are strong connections between Combinatorial Group Theory and Formal Language Theory and many open questions remain. They range from fundamental decidability problems to classification results. The aim of this project is to advance this area further by establishing theorems and devising new algorithms for infinite groups.
Ryan, Dr Ray	E: ray.ryan@nuigalway.ie	Functional Analysis—in particular, tensor products, multilinear forms
Ryder, Dr Alan G.	T: 353 91 492 943 E: alan.ryder@nuigalway.ie www.nuigalway.ie/nanoscale/	Novel analytical methods for biopharmaceutical, forensics, and polymer applications. Research involves fluorescence & Raman spectroscopies coupled with chemometrics (statistical analysis) for quantifying complex mixtures.

Schukat, Dr Michael	T: +353 91 492 031 E: michael.schukat@nuigalway.ie www.it.nuigalway.ie/staff/michael_schukat.html	Embedded systems (including robotics) and their applications. Medical informatics (in particular biosignal processing and medication management). Network security. Computer networking and wireless technologies.
Seoighe, Professor Cathal	T: + 353 91 49 2343 E: cathal.seoighe@nuigalway.ie www.maths.nuigalway.ie/~cathal	Research spans several areas of bioinformatics/computational biology: Genomics and epigenetics, including gene expression analysis, mRNA splicing and analysis of chromatin structure using deep sequencing data, and implications in cancer. Development and application of probabilistic models of evolution – especially the use of evolutionary models to identify immune epitopes in HIV-1.
Shearer, Dr Andy	T: +353 91 493 114 E: andy.shearer@nuigalway http://astro.nuigalway.ie/staff/ashearer/	Astronomical Instrumentation; Astronomical Observations of Pulsars; Numerical Simulations; High performance Computing; Medical imaging and simulations.
Skoldberg, Dr Emil	E: emil.skoldberg@nuigalway.ie	I am interested in homological properties of combinatorial objects such as algebras with monomial relations, incidence algebras of partially ordered sets etc. A suggested topic for a PhD project would be the use of homotopical methods, such as colimits of diagrams, for constructing resolutions in commutative algebra. I am also interested in computational techniques such as Grobner bases for homological computations. Details can be found at www.maths.nuigalway.ie/~emil/
Smith, Dr Finlay	T: +353 91 493 876 E: finlay.smith@nuigalway.ie www.it.nuigalway.ie	Artificial intelligence, fuzzy logic, adaptive systems, qualitative reasoning.
Tuite, Dr Michael	E: michael.tuite@nuigalway.ie	Vertex Operator Algebras (VOAs) on Riemann surfaces. A VOA is a mathematical formulation of ideas in string theory in physics. VOA theory has deep connections to algebra, number theory, geometry, group theory and combinatorics. This project seeks to develop my recent research in relating general Riemann surfaces to VOAs.
van der Putten, Professor Wil	T : +353 91 544 311 E: wil.vanderputen@nuigalway.ie wil.vanderputten@hse.ie	Optimisation of radiotherapy through radiobiological modelling. medical imaging and image optimization. Biophotonics. Risk, safety and medical devices, novel medical devices.
Young , Karen	T: + 353 91 493 331 E: karen.young@nuigalway.ie	Knowledge management.

Environment, Marine, and Energy

This priority research area focuses on some of the pressing issues of the 21st Century and our location, near the North Atlantic Ocean, is a strong driver of the research priorities. The Ryan Institute is NUI Galway's hub for Environmental, Marine and Energy research. Research themes include: climate change, built environment and sustainability, marine and coastal processes, energy-efficient technologies and bio-energy, renewable energy resources, biodiversity and bioresources, and sustaining health via environmental stewardship. The Ryan Institute is involved in a wide variety of inter-disciplinary research projects and collaborates extensively with national and international partners.

Supervisor	Contact details	Current research interests
Abram, Dr Florence	T: +353 91 492 390 E: florence.abram@nuigalway.ie	Microbial adaptation to ecological niches. Investigation into the validity of <i>E. coli</i> as an indicator of faecal contamination in the environment. Using soil high throughput techniques to elucidate how <i>E. coli</i> populations survive and persist among the highly competitive indigenous soil microflora. Investigation into the coincidental evolution of virulence factors.
Allcock, Dr Louise	T: +353 91 495 868 E: louise.allcock@nuigalway.ie www.nuigalway.ie/faculties_departments/zoology/Allcock/l_allcock.html	Taxonomy, systematics, and evolution of cephalopod molluscs; ecology and evolution of Southern Ocean and deep-sea fauna.
Berresheim, Dr Harald	T: +353 91 495 705 E: harald.berresheim@nuigalway.ie www.nuigalway.ie/physics/staff_pages/h_berresheim/index.html	Atmospheric composition and climate change. Physical and chemical processes in the atmosphere. Self-cleaning of the atmosphere and its limitations in the coastal environment. Aerosol formation and composition, aerosol-gas exchange, cloud and ice nuclei formation. High resolution mass spectrometry of gas and aerosol composition.
Brown, Professor Colin	T: + 353 91 492 691 E: colin.brown@nuigalway.ie	Offshore renewable energy; underwater acoustic methods for seabed sediment properties; geohabitat mapping; marine ecological modelling; geophysics for hydrogeology; electromagnetic and potential field geophysics; numerical modelling.
Byrne, Dr Miriam	T: +353 91 493 394 E: miriam.byrne@nuigalway.ie www.nuigalway.ie/physics	Extensive experimental facilities and expertise exists for measuring indoor air pollution concentrations, and investigating associated health effects, and for generating "surrogate" particles with similar dynamic behaviour to nuclear/chemical/biological-derived particles, so that their movement through buildings/around the human body can be studied. Also interesting in modelling indoor aerosol concentrations and dust resuspension.
Cave, Dr Rachel	T: +353 91 492 351 E: rachel.cave@nuigalway.ie	Metals in the marine environment. Effects of rainfall on the phys/chem/bio of surface seawater in areas far from other fresh water inputs such as rivers, using offshore lighthouses and ships of opportunity as measurement platforms, in collaboration with research institutes and lighthouse operators in Ireland, Scotland and the Faroe Islands.

Clifford, Dr Eoghan	T: +353 91 492 219 E: eoghan.clifford@nuigalway.ie www.nuigalway.ie/civileng/Staff/eoghancifford.html	Environmental engineering. Energy engineering highway and transport engineering.
Collins, Dr Gavin	T: +353 91 492 499 E: gavin.collins@nuigalway.ie www.nuigalway.ie/microbiology	Diversity, abundance and activity of important groups in complex microbial communities from natural and engineered environments, including waste-to-energy applications. Molecular microbial ecology, genetic fingerprinting, metagenomics, metabolomics and ecological modeling of functional groups in biofilms, including psychrotolerant, organic acid-oxidizing, hydrogen-producing syntrophic microbes; hydrogen-consuming methanogens; and uncultured Crenarchaeota.
Croot, Professor Peter	www.nuigalway.ie/eos/staff/academic_staff/academic_staff.html	Research interests are in the area of Marine Biogeochemistry which includes links between trace metal speciation, redox, photochemistry and phytoplankton productivity in the ocean, with special emphasis on the Southern Ocean and the oxygen minimum zones in the Atlantic and Pacific. Recent work has also included studies the influence of reactive oxygen species (ROS) on trace metal redox cycles and the role of oxygen in the redox speciation of iodine.
Curran, Dr Henry	T: +353 91 493 856 E: henry.curran@nuigalway.ie c3.nuigalway.ie	We study the combustion of fuels in order to understand the chemistry of the process in order to reduce emissions and increase efficiency of combustors.
Daly, Dr Eve	E: eve.daly@nuigalway.ie www.nuigalway.ie/eos/	Application of geophysical techniques to the study of karst hydrogeology and freshwater/saltwater intrusion across the coastal zone of the west of Ireland. Interests in environmental and archaeological geophysics.
Duffy, Dr Karl	T: +353 91 492 340 E: karl.duffy@nuigalway.ie	My research involves three related approaches to understand how plants reproduce and survive in an increasingly human-dominated environment. These are; (1) the application and development of statistical methods to detect both populations and species of conservation importance and to aid discovery and monitoring of rare populations, (2) to quantify whether plants in small, isolated populations suffer decreased gene flow and increased inbreeding depression, and whether reliance on a particular pollinator affects population reproductive success, and (3) to address the extent to which the genetic diversity of plant populations is affected by reproductive ecology and relative abundance or rarity.
Duffy, Dr Maeve	T: + 353 91 493 972 E: maeve.duffy@nuigalway.ie www.nuigalway.ie/power_electronics/staff/maeve_duffy.html	Magnetic component design, wearable power generators, wireless powering, sensors.

Feely, Professor Martin	T: +353 91 492 129 E: martin.feely@nuigalway.ie	Re-Os and zircon chronometry, fluid inclusion and isotope studies of granite related Mo-mineralisation along the Caledonian-Appalachian Orogen. Fluid inclusion studies of Brazilian Emeralds. Hydrocarbon-bearing fluid inclusion studies and several fluid inclusion contract research projects from the oil exploration sector. Geological controls on As in groundwater wells. Geological history of Connemara landscapes.
Fleming, Dr Gerard	T: +353 91 493 562 E: ger.fleming@nuigalway.ie www.nuigalway.ie/microbiology/moru.html	Deep sea microbial community structure and function. The role of ultramicrobacteria in the Deep Sea. Piezophiles and the Deep Sea. Novel industrial disinfection processes. Antimicrobial resistance. Bacteria and aerosols.
Goggins, Dr Jamie	T: +353 91 492 609 E: jamie.goggins@nuigalway.ie www.nuigalway.ie/civileng/Staff/jamiegoggins.html	Structural engineering. Earthquake engineering. Computational mechanics. Energy. Concrete technology. Fracture mechanics. Geotechnical engineering. Marine and coastal engineering. Sustainability and the built environment.
Gormally, Dr Mike	T: +353 91 493 334 E: mike.gormally@nuigalway.ie www.nuigalway.ie/applied_ecology_unit/	The Applied Ecology Unit undertakes research relating to plants and invertebrates of a range of ecosystems (e.g. turloughs, flood meadows, machair, peatlands, HNV farms). Human impacts on habitats are also investigated using invertebrate/plant bioindicators. Focal taxa include families Coleoptera, Diptera and freshwater / terrestrial mollusca. Other projects deal with rare invertebrate species (eg the Kerry slug (<i>Geomalacus maculosus</i>) and <i>Carabus clatratus</i> as well as using biocontrol agents to control pest mollusc species.
Harte, Dr Annette	T: +353 91 492 732 E: annette.harte@nuigalway.ie www.nuigalway.ie/civileng/Staff/annetteharte.html	Timber. Computational mechanics. Fracture mechanics. Marine and coastal engineering. Sustainability and the built environment. Structural engineering.
Hartnett, Dr Mike	T: +353 91 492 502 E: mike.hartnett@nuigalway.ie www.nuigalway.ie/civileng/Staff/mikehartnett.html	Environmental modelling and informatics.
Healy, Dr Mark	T: +353 91 495 364 E: mark.healy@nuigalway.ie www.nuigalway.ie/civileng/Staff/markhealy.html	Environmental engineering.
Henry, Dr Tiernan	T: +353 91 495 096 E: tiernan.henry@nuigalway.ie www.nuigalway.ie/eos/	Influence of geological structure on groundwater movement around mines in carbonate rocks in Ireland; influence of groundwater on mobilisation of metals; sea water/groundwater interactions in karst zones.
Hickey, Dr Kieran	T: +353 91 492 128 E: kieran.hickey@nuigalway.ie www.nuigalway.ie/geography/staff/hickey.html	Historical environmental change, soils and biogeography, climate change and natural hazards.

Hunter, Dr Danny	T: + 353 91 492 340 E: danny.hunter@nuigalway.ie	Agricultural biodiversity conservation and sustainable use.
Hurley, Professor Ger	T: + 353 91 493 136 E: maeve.duffy@nuigalway.ie www.gerhurley.com/	Electromagnetics, power electronics, and renewable energy.
Johnson, Professor Mark	T: + 353 91 495 864 E: mark.p.johnson@nuigalway.ie	Marine ecology; conservation, biodiversity mapping, assessments of sustainable harvests and contributions to marine management. Aquaculture and research to support themes in functional foods and biodiscovery.
Keane, Dr Marcus	T: +353 91 492 619 E: marcus.keane@nuigalway.ie www.nuigalway.ie/civileng/Staff/marcuskeane.html	Energy. Environmental engineering. Sustainability and the built environment.
Kelly, Martina	T: +353 91 493 418 E: martina.kelly@nuigalway.ie	Risk management in regulated environments, workplace ergonomics, integrated safety systems for food safety and occupational health and safety in small and medium enterprises, occupational hazards associated with geodetic engineering surveyors, workplace exposure to risk associated with podiatry.
Lawton, Dr Colin	T: +353 91 492 335 E: colin.lawton@nuigalway.ie www.nuigalway.ie/zoology/lawton	Mammal ecology in particular the ecology of small mammal populations, the conservation of native species, the control of pest species, the ecology of invasive species, mammal monitoring techniques and their applications and mammal parasitology.
Leech, Dr Dónal	T: +353 91 493 563 E: donal.leech@nuigalway.ie www.nuigalway.ie/chemistry/staff/donal_leech/	The Biomolecular Electronics Research Laboratory focuses on preparation and characterisation of catalysts and modified electrode surfaces for application as detection platforms (chemical and biosensors) and energy-generating devices (fuel cells). Background in chemistry and an interest in electrochemistry is required to pursue research in this field.
Long, Dr Ronán	T: +353 91 493 875 E: ronan.j.long@nuigalway.ie www.nuigalway.ie/law/Staff/ronan_long.html	This thesis is focused on reassessing the special status of archipelagic states in international law with particular emphasis on contemporary state practice regarding how archipelagic states have sought to interpret their rights and duties under Part V of the 1982 United Nations Convention on the Law of the Sea in light of the pressing issues associated with climate change, piracy, and the migration of people by sea.
Lynch, Dr Kevin	T: +353 91 495 779 E: kevin.lynch@nuigalway.ie www.nuigalway.ie/geography/staff/lynch.html	Aeolian sediment transport, coastal management, coastal processes, environmental sciences, geomorphology, GIS, hydrology, physical geography, remote sensing.
McCabe, Dr Bryan	T: +353 91 492 021 E: bryan.mccabe@nuigalway.ie www.nuigalway.ie/civileng/Staff/bryanmccabe.html	Information Retrieval; Evoluntary Computation; Computational Intelligence in Games; Multi-Agent systems and Evolutionary Game Theory.

McCormack, Dr Grace	T: +353 91 492 321 E: grace.mccormack@nuigalway.ie www.nuigalway.ie/faculties_departments/zoology/mccormack/index.html	I work on evolution, more specifically, molecular evolution and systematics. Under this umbrella I have a research project running on the molecular systematics of marine sponges in a marine biodiscovery programme. I also carry out research on the evolution of animal viruses, in particular of HIV-1 including molecular aspects of epidemiology, drug resistance and long-term survival.
Molloy, Dr Padraig	T: +353 91 492 724 E: padraig.molloy@nuigalway.ie www.nuigalway.ie/mechbio/staff/staff_pm.html	Development of technology-based solutions for health and living, particularly systems that are relevant to the disabled and elderly. Product and production systems design. Built environment simulation and control systems development.
Morris, Dr. Dearbháile	T: +353 91 544 652 E: dearbhaile.morris@nuigalway.ie	Antimicrobial resistance – mechanisms and molecular epidemiology. Environment and health. Water quality.
Mullarkey, Dr Thomas	T: +353 91 492 647 E: thomas.mullarkey@nuigalway.ie www.nuigalway.ie/civileng/Staff/thomasmullarkey.html	Marine and coastal engineering. Computational mechanics.
Murray, Dr John	T: +353 91 495 095 E: john.murray@nuigalway.ie	Carboniferous palaeontology and basin analysis, with particular emphasis on conodont microfossils. The timing and magnitude of the Permo-Carboniferous glaciation, utilising stable isotope proxies. Middle to upper Pleistocene hominid evolution and migration through the south Caucasus.
Nash, Dr Stephen	T: +353 91 493 738 E: stephen.nash@nuigalway.ie www.nuigalway.ie/civileng/Staff/stephennash.html	Physical and computer modelling of oceanic, estuarine and freshwater systems including: hydrodynamics, water quality (nutrients, sediment, algae), aquaculture, energy extraction, climate change scenarios. Offshore renewable energy.
Ó Brádaigh, Dr. Conchúr	T: +353 91 492792 E: c.obradaigh@nuigalway.ie	Processing of thermoplastic composite materials. Liquid moulding of thermoplastic composite using monomer systems. Mechanical testing of advanced composites. Recycling of composite materials. Application to innovative sporting, automotive and wind energy applications.
O'Dowd, Professor Colin	T: +353 91 493 306 E: colin.odowd@nuigalway.ie www.macehead.org	Extensive research activities over the following areas: measurements and modelling of atmospheric composition, climate modelling, monitoring of essential climate variables. Remote sensing of atmospheric aerosols, cloud properties. Air-sea exchange, air pollution—climate interactions, greenhouse gases, aerosol mass spectrometry, volcanic ash cloud detection and forecasting.
O'Flaherty, Professor Vincent	T: + 353 91 493 734 E: vincent.oflaherty@nuigalway.ie www.nuigalway.ie/microbiology	Anaerobic biofilm and microbial ecology research, focused on: anaerobic biofilm reactor technology for biorefining, energy production and wastewater treatment; biofilm infection control; and the microbial ecology of soil and aqueous ecosystems.

O'Donoghue, Professor Padraic	T: +353 91 492 214 E: padraic.odonoghue@nuigalway.ie www.nuigalway.ie/civileng/Staff/padraicodonoghue.html	Computational mechanics. Fracture mechanics.
O'hEachteirn, Dr Piaras	T: +353 91 492 210 E: piaras.oheachteirn@nuigalway.ie www.nuigalway.ie/civileng/Staff/piarasoheachteirn.html	Structural engineering.
Popper, Dr Zoë	T: +353 91 495 431 E: zoe.popper@nuigalway.ie www.nuigalway.ie/botany/popper_home.html	Including but not limited to plant and algal cell wall biochemistry and immunocytochemistry. The role of cell walls in evolution including; diversification, transition to land, vascularisation, interactions between plants and parasites (plants/pathogens) at the tissue/cellular level. Localisation, structure, metabolism and interactions of cell wall components.
Potito, Dr Aaron	T: +353 91 493 936 E: aaron.potito@nuigalway.ie www.nuigalway.ie/geography/staff/potito.html	My research focuses on the use of lake sedimentary records, especially chironomid sub-fossils, to reconstruct past environments. Current research interests include temperature reconstruction of late Pleistocene and Holocene climates, assessment of historic and pre-historic human impacts on lake systems, and impacts of recent climate change on lake ecosystems.
Power, Dr Anne Marie	T: +353 91 493 015 E: annemarie.power@nuigalway.ie www.nuigalway.ie/zoology/power	Marine biology specifically fish biology and sustainable fisheries. Also the effects of global warming on the marine environment, marine invertebrates and fish.
Raftery, Dr Gary	T: +353 91 495 932 E: gary.raftery@nuigalway.ie www.nuigalway.ie/civileng/Staff/garyraftery.html	Timber. Structural engineering. Computational mechanics.
Sheehy-Skeffington, Dr Micheline	T: +353 91 492 682 E: micheline.sheehy@nuigalway.ie	Salt marsh diversity, ecophysiology of salt marsh species; peatland conservation and rare plant conservation and ecology; species-rich grasslands, in relation to sustainable farming; turlough biodiversity and land-use, riparian vegetation and floodmeadow management for conservation; High Nature Value farming and grassland diversity; montane heaths and rare plant communities; species distribution in relation to climate change and habitat conservation.
Smith, Dr Cindy J	T: +353 91 493 832 E: cindy.smith@nuigalway.ie www.nuigalway.ie/microbiology	Assessing microbial community structure and function in the environment using molecular approaches. Research themes include: marine microbial diversity and ecology, biogeochemical cycling of nitrogen in temperate and tropical coastal zones, microbial associations with marine fish and in aquaculture, environmental microbiology of water distribution systems.

Stengel, Dr Dagmar	T: +353 91 493 192 E: dagmar.stengel@nuigalway.ie www.nuigalway.ie/botany/stengel_home.html	Research interests focuses on ecological and metabolic responses of algae (seaweeds and microalgae) to their environment (including effects of climate change and anthropogenic influences such as harvesting regimes and deterioration of water quality), the targeted cultivation of macro- and microalgae for optimised production of seaweed and algal biomass, and primary and secondary metabolites with industrial potential.
Tasdemir, Professor Deniz	T: +353 91 492 450 E: deniz.tasdemir@nuigalway.ie	My research interests cover drug discovery from marine macro- and microorganisms, against human diseases such as cancer, infectious diseases and central nervous system ailments. We work on both coastal and deep sea marine organisms collected from Irish and international waters. Besides marine biodiscovery, development of new marine functional foods plus marine biotechnological approaches are natural extension of my research. My research interests cover drug discovery from marine macro- and microorganisms, against human diseases such as cancer, infectious diseases and central nervous system ailments. We work on both coastal and deep sea marine organisms collected from Irish and international waters. Besides marine biodiscovery, development of new marine functional foods plus marine biotechnological approaches are natural extension of my research.
Tuohy, Dr Maria	T: +353 91 492 439 E: maria.tuohy@nuigalway.ie www.nuigalway.ie/biochemistry/staff/tuohy/	(1) Production, characterization, molecular genetics and biotechnological application of eukaryotic glycoproteins and novel biocatalysts, with emphasis on glycosyl hydrolases, oxidoreductases and proteases . (2)Proteomics, structure-function analysis and cell biology of important cell-surfacelectins/ glycoproteins and enzymes. (3) Regulation of gene expression and glycoprotein secretion in filamentous fungi.
Ward, Dr Brian	T: +353 91 493 029 E: bward@nuigalway.ie	Air-sea exchange and interaction; small-scale turbulence in the upper ocean; atmosphere-ocean fluxes of greenhouse gases, heat, momentum; development of instrumentation; CFD modelling.
White, Dr Martin	T: + 353 91 493 214 E: martin.white@nuigalway.ie www.nuigalway.ie/eos/staff/academic_staff/white_m/white_m.html	hydrography of the NE Atlantic continental margin, benthic dynamics at cold water coral reefs, bio-physical interactions at seamounts and banks, water quality measurements with digital cameras
Xiao, Dr Liwen	T: +353 91 493 085 E: liwen.xiao@nuigalway.ie www.nuigalway.ie/civileng/Staff/liwenxiao.html	Environmental engineering.
Zhan, Dr Xinmin	T: +353 91 495 239 E: xinmin.zhan@nuigalway.ie www.nuigalway.ie/civileng/Staff/xinminzhan.html	Environmental engineering. Energy.

Zhang, Dr Chaosheng	T: +353 91 492 375 E: chaosheng.zhang@nuigalway.ie www.nuigalway.ie/geography/staff/zhang.html	Advanced GIS spatial analyses of environmental determining factors and human health, Characterisation of site-specific spatial variation of bioavailable and bioaccessible toxic metals in soils, Development of a framework of GIS spatial analyses for smarter environmental management, GIS-based modelling of influences of traffic pollution on roadside soil quality and plants.
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Applied Social Sciences and Public Policy

NUI Galway has an international reputation in the applied social sciences and public policy area, with research focused around the Institute for Innovation, Business and Society and the Life Course Institute. We are committed to improving our understanding of innovation and social entrepreneurial strategies. Our researchers examine economic innovation and social change and different academic disciplines in the social sciences to explore issues underpinning health and wellbeing, balanced development and sustainability, business performance and governance, public policy, innovation, creative communities and the Smart Economy, human rights, conflict and collective action and equality, identity, gender and culture.

Supervisor	Contact details	Current research interests
Acton, Dr Thomas	T: +353 91 493 806 E: thomas.acton@nuigalway.ie www.nuigalway.ie/acc/staff/tom_acton/	Decision making and support systems for managerial activities, focusing on key performance indicator visualisation tools and techniques. Application of decision support systems in e-commerce.
Ahearne, Dr Alan	T:+353 91 494 231 E: alan.ahearne@nuigalway.ie www.economics.nuigalway.ie/personnel/peoplepage.php?person_id=72	A model of household debt in Ireland This project examines the behaviour of Irish household debt over recent years, including the rapid growth of indebtedness during the boom years and ongoing deleveraging. The project involves the construction of a model of household debt for Ireland and analysis of new survey data on household balance sheets.
Barry, Prof. Margaret (only in terms of the Centre)	T +353 91 493 348 E margaret.barry@nuigalway.ie www.nuigalway.ie/health_promotion/staff/mbarry.htm	Current areas of research in my laboratory include projects investigating the immunological mechanisms underlying kidney disease and organ transplant complications, the role of stem cell therapies in suppressing harmful immune responses, the immunomodulatory properties of active vitamin D compounds.
Bogue, Dr John	T: +353 91 495 124 E: john.bogue@nuigalway.ie www.nuigalway.ie/psychology/j_bogue_page.htm	Forensic clinical psychology, risk assessment, and investigative psychology.
Boland, Dr Josephine	T: +353 91 493 857 E: josephine.boland@nuigalway.ie www.nuigalway.ie/education/staff/josephine_boland/index.html	Civic engagement and community based learning.
Buckley, Dr Lucy-Ann	T: +353 91 493 661 E: lucy-ann.buckley@nuigalway.ie www.nuigalway.ie/law/Staff/lucyann_buckley.html	Family law (including family property, marital breakdown, prenuptial agreements, children's rights and caring work), equality (particularly gender equality issues), sexual harassment, workplace discrimination, labour law, sociology of law, equity and trusts.
Byrne, Dr Anne	T: +353 91 493 035 E: anne.byrne@nuigalway.ie www.nuigalway.ie/soc/staff/byrne_anne.html	Personal and communal narratives—letters, diaries, visual, artefactual archival material on private and professional identities, auto/biographies, auto/communal/ethnographies. PhD projects from a narrative inquiry perspective pertaining to historical ethnographies or anthropology of Ireland (e.g., Harvard-Irish Mission 1930–1936) for example and non-literary biographical studies of women in 20th century Ireland welcome.

Byrne, Dr Molly	T: +353 91 495 182 E: molly.byrne@nuigalway.ie www.nuigalway.ie/psychology/m_byrne_page.htm	Health psychology, in particular: the application of psychological theory to health behaviour change interventions. Chronic disease (particularly coronary heart disease and diabetes): self-management and psychosocial aspects. Sexual function and intimate relationship problems among those with chronic illness. Blood donation behaviour. Enhancing physical activity, particularly active commuting (walking and cycling).
Canavan, Dr John	T: +353 91 495 397 E: john.canavan@nuigalway.ie www.nuigalway.ie/soc/staff/canavan_john.html	Family support as a paradigm for policy and services for children and families and its theoretical underpinnings, evaluation theory and methodology.
Cavanaugh, Dr Kathleen	T: +353 91 493 799 E: kathleen.cavanaugh@nuigalway.ie	The study of nationalism, ethnic conflict, political violence, Islamic International Law, entrenched emergencies, freedom of religion and militant democracy.
Cawley, Dr Mary	T: +353 91 492 171 E: mary.cawley@nuigalway.ie www.nuigalway.ie/geography/staff/cawley.html	Contemporary migration to and from Ireland, rural tourism.
Coate, Dr Kelly	T: +353 91 495 717 E: kelly.coate@nuigalway.ie www.nuigalway.ie/celt	Higher education: globalisation; curriculum, teaching and learning, creativity, policy.
Collings, Dr David	T: +353 91 495 385 E: david.collings@nuigalway.ie www.nuigalway.ie/cisc/people/dcollings.html	Talent management has gained significant traction as a managerial approach in practice. However the academic community has lagged behind in providing theoretical frames to help managers understand talent management in practice. The project could look at issues around the definition of talent in different organizational contexts, the management of technical talent, the operation of talent pools, etc.
Conboy, Dr Kieran	T: +353 91 492 913 E: kieran.conboy@nuigalway.ie www.nuigalway.ie/acc/staff/kieran_conboy/	Value and success of information systems, project management, and performance evaluation. See the enterprise agility cluster in CISC for more detail on potential research areas www.nuigalway.ie/cisc/research/interorg/enterprise
Coogan, Declan	T: + 353 91 495 373 E: declanp.coogan@nuigalway.ie www.nuigalway.ie/soc/staff/coogan_declan.html	Non violent resistance and interventions for child to parent violence; implementation of research into practice context. Child, adolescent and family mental health. Treatment and prevention of sexual abuse carried out by adolescents.
Cullinan, Dr John	T: +353 91 493 996 E: john.cullinan@nuigalway.ie www.economics.nuigalway.ie	My research interests lie in the application of econometric and spatial modelling techniques in the fields of health economics, environmental economics and spatial economics. I am currently working on a number of programmes of research in these areas.
Cunningham, Dr James	T: +353 91 493 472 E: james.cunningham@nuigalway.ie www.nuigalway.ie/cisc/people/jcunningham.html	Research commercialisation and technology transfer. Academic entrepreneurship and entrepreneurial universities. Role, behaviours, and motivations of publicly-funded researchers. Business models of university spin-out and spin-in companies. Technology entrepreneurship. Business failure. Strategic planning.
Curtin, Professor Chris	T: +353 91 492 355 E: chris.curtin@nuigalway.ie www.nuigalway.ie/soc/staff/curtin_chris.html	Agrarian politics, community development, Mexican politics, governance and natural resource development, and social networks and family and neighbourhood resilience.

Curtis, Dr Emer	T: +353 91 493 138 E: emer.curtis@nuigalway.ie www.nuigalway.ie/acc/staff/emer_curtis/	Management controls were traditionally thought to hinder innovation and creativity in organisations, however, more recent research suggests that management controls can foster innovation if used in an enabling or interactive manner. My research interest focuses on the relationship between control system use, strategy and innovation in organisations.
Darcy, Dr Shane	T: +353 91 493 947 E: shane.darcy@nuigalway.ie www.nuigalway.ie/human_rights/Staff/shane_darcy.html	Judicial development of international humanitarian law, business and human rights in Ireland.
Davison, Dr Kevin	T: +353 91 492 693 E: kevin.davison@nuigalway.ie www.nuigalway.ie/education/staff/kevin_davison/index.html	Sociology of education. Foundations of education. Inclusive education. Gender and education. Masculinities and schooling. Distance education. Research paradigms including feminist, post-structural, and post-modern methodologies. Qualitative research methods. Feminist, post-structural, postmodern, post-colonial and queer theory. Science outreach and promotion.
Dolan, Professor Pat	T: +353 91 492 930 E: pat.dolan@nuigalway.ie www.nuigalway.ie/soc/staff/dolan_pat.html	Family support, social support, resilience, reflective practice and service development, youth mentoring models.
Domegan, Dr Christine	T: +353 91 492 730 E: christine.domegan@nuigalway.ie www.nuigalway.ie/marketing/	Social marketing—behavioural and social change and its application to value and knowledge co-creation, public policy, networks and partnerships, and marketing theory through a multi-disciplinary lens.
Donnelly, Michael	T: + 353 91 493 267 michael.donnelly@nuigalway.ie	Northern Ireland Politics, public administration, general politics.
Dundon, Dr Tony	T: +353 91 492 356 E: tony.dundon@nuigalway.ie www.nuigalway.ie/management/staff/dundon/index.htm	National and international dynamics surrounding the regulation of employment regimes. Research outputs focus on the social scientific application to business, practitioners, and public and regulatory policy.
Duvvury, Dr Nata	T: +353 91 495 399 E: nata.duvvury@nuigalway.ie www.nuigalway.ie/soc/staff/duvvury_nata.html	Modelling impacts of gender equality on economic growth and poverty reduction, gender analysis of policy responses to economic crisis, dynamics of asset ownership and rural identity, and measuring costs of violence against women.
Eaton, Dr Patricia	T: +353 91 492 369 E: patricia.eaton@nuigalway.ie www.nuigalway.ie/education	Education for special needs: policy and practice, initial teacher education for special needs, inclusive teaching methodologies, teacher collaboration, literacy support, psychology of education: thinking skills and intelligence, community-engaged research in education.
Edmondson, Dr Ricca	T: +353 91 493 077 E: ricca.edmondson@nuigalway.ie www.nuigalway.ie/soc/staff/edmondson_ricca.html	The history and sociology of wisdom, ageing, the life course and intergenerational relations, links between ethnography, rhetoric and interculturality.
Fahy, Dr Frances	T: +353 91 492 315 E: frances.fahy@nuigalway.ie www.nuigalway.ie/geography/staff/fahy.html	Environmental planning and sustainability, social and cultural consequences of environmental change.
Farren, Dr Patrick	T: +353 91 493 840 E: patrick.farren@nuigalway.ie www.nuigalway.ie/education	Modern languages in teacher education.
Fleming, Dr Mary	T: +353 91 494 071 E: mary.fleming@nuigalway.ie www.nuigalway.ie/education	School leadership and development with particular emphasis on teacher practice learning.
Flynn, Dr Brendan	T: +353 91 493 160 E: brendan.flynn@nuigalway.ie www.nuigalway.ie/soc/staff/flynn_brendan.html	Environmental policy, with a focus on EU and Irish developments.
Forkan, Dr. Cormac	T: +353 7191 955 44 E: cormac.forkan@nuigalway.ie www.nuigalway.ie/soc/staff/forkan_cormac.html	Areas of youth work and adolescent development, social support and evidence-based practice for community-based youth and family interventions.

Garrett, Dr Paul Michael	T: +353 91 495 243 E: pm.garrett@nuigalway.ie www.nuigalway.ie/soc/staff/garrett_paul_michael.html	Social theory and social work, 'modernisation' of social work and social care.
Golden, Professor William	T: +353 91 493 139 E: willie.golden@nuigalway.ie www.nuigalway.ie/cisc/people/wgolden.html	Understanding the value created by Information Systems is a difficult and contemporary challenge, with serious implications for public policy. eGovernment is a particular example of technologies that can deliver value to citizens in revolutionary ways. This project seeks to develop a public value perspective to understanding the success of technology in society.
Groarke, Dr AnnMarie	T: +353 91 493 098 E: annmarie.groarke@nuigalway.ie www.nuigalway.ie/psychology/a_groarke_page.htm	Psychological interventions for patients with cancer. Illness cognitions and health outcomes, coping and adjustment in chronic illness.
Hall, Dr Tony	T: +353 91 492 153 E: tony.hall@nuigalway.ie www.nuigalway.ie/education/staff/tony_hall/index.html	Learning Sciences, technology-enhanced learning (TEL), particular interest in narrative/narratology in education, and the design of ICTs (information and communications technologies) to enhance storytelling, meaning-making and educational autobiography, research interests also include pedagogical innovation in subject specific domains: English, ICT, Mathematics and Physical Education.
Haugaard, Dr Mark	T: +353 91 492 298 E: mark.haugaard@nuigalway.ie www.nuigalway.ie/soc/staff/haugaard_mark.html	Social and political power, modernity, the problem of social order, and the relationship between nationalism and liberalism.
Healy, Dr Olive	T: +353 91 493 457 E: olive.healy@nuigalway.ie www.nuigalway.ie/psychology/o_healy.html	Evidence-based treatments and non-scientific practices in the treatment of autism spectrum disorder. Longitudinal investigations of the effectiveness of applied behaviour analysis in the education and treatment of children with developmental disorders. Use of bio-feedback mechanisms in the treatment of challenging behaviour. Component analysis of behavioral interventions.
Heary, Dr Caroline	T: +353 91 495 059 E: caroline.heary@nuigalway.ie www.nuigalway.ie/psychology/c_heary_page.htm	Health behaviours during childhood and adolescence (physical activity, sedentary behaviour, food consumption). Children's perceptions of peers with mental health difficulties/peer relationships of children with mental health difficulties. Positive youth development.
Heinz, Dr Manuela	T: +353 91 493 873 E: manuela.heinz@nuigalway.ie www.nuigalway.ie/education	Initial teacher education, professional development of teachers, mentoring, modern language teaching.
Hilliard, Dr Rachel	T: +353 91 492 932 E: rachel.hilliard@nuigalway.ie www.nuigalway.ie/cisc/people/rhilliard.html	Dynamic capabilities (routinised processes for change) as a determinant of the capacity of organisations to innovate successfully, innovation to be understood broadly as commercialisation of new products or adoption of technical change, undertaken in response to commercial strategies or environment demands.
Hodgins, Dr. Margaret	T: +353 91 493 349 E: margaret.hodgins@nuigalway.ie www.nuigalway.ie/health_promotion/staff/m_hodgins.html	Workplace health promotion; The settings approach within health promotion; Healthy ageing.
Hogan, Dr Michael	T: +353 91 493 455 E: michael.hogan@nuigalway.ie www.nuigalway.ie/psychology/m_hogan_page.htm	Critical thinking, systems thinking, collaboration, group dynamics, memory, emotion, electrophysiology, cardiovascular responding, positive psychology, well being, life span development.

Holloway, Dr Jennifer	T: +353 91 495 773 E: jennifer.holloway@nuigalway.ie	Investigating effects of parent and sibling education/supports on outcomes for children with ASD. Predictors and behavioural interventions for social inclusion of children with ASD. Early Intensive Behavioural Intervention for individuals with neurodevelopmental disorders. Evidence based interventions for improving educational outcomes.
Hughes, Dr Brian	T: +353 91 493 568 E: brian.hughes@nuigalway.ie www.nuigalway.ie/psychology/b_hughes_page.htm	Psychological stress as it impacts on mental and physical health, personal dispositions (e.g., personality types) and social network factors (e.g., social support) that determine stress-responsivity, socio-occupational determinants of stress impact (e.g., stressful roles and environments). Emphasis on biomarkers (e.g., cardiovascular reactivity), on experimental and field-based methodologies, and on quantitative methods.
Ivers, Dr Natasha	T: + 353 91 492 788 E: natasha.evers@nuigalway.ie www.nuigalway.ie/faculties_departments/marketing/natashaevers.html	International entrepreneurship, international marketing strategies of SMEs, marketing and commercialisation of innovation and scientific output in higher education institutions, sectors of research experience: marine and seafood industry— life sciences (i.e., biotech and medtech) and international services.
Kane, Dr Aidan	T: +353 91 492 530 E: aidan.kane@nuigalway.ie www.nuigalway.ie/cisc/people/akane.html	Economics of historical Irish public finances (18th to 20th century), including central government debt, local public finances and the finances of land purchase.
Keane, Dr Elaine	T: +353 91 493 032 E: elaine.keane@nuigalway.ie www.nuigalway.ie/education	Widening participation in higher education, social class and education, intercultural education, and equality and education issues more broadly.
Kelly, Dr. Colette	T: +353 91 493 186 E: colette.kelly@nuigalway.ie www.nuigalway.ie/health_promotion/staff/colettekelly.htm	Research areas include; Health & health behaviour in school children; Public Health Nutrition; Social determinants of food choice; Young people's participation in research.
Kelly, Martina	T: +353 91 493 418 E: martina.kelly@nuigalway.ie	Risk management in regulated environments, workplace ergonomics, integrated safety systems for food safety and occupational health and safety in small and medium enterprises, occupational hazards associated with geodetic engineering surveyors, workplace exposure to risk associated with podiatry.
Kenna, Dr Padraic	T: +353 91 493 230 E: padraic.kenna@nuigalway.ie www.nuigalway.ie/law/Staff/padraic_kenna.html	Rights based approach to housing policies in Europe, housing law and policy, globalization and housing mortgages and housing finance, social housing, regulation, disability, independent living and housing, law reform.
Kenny, Dr Kate	T: +353 91 495 401 E: kate.kenny@nuigalway.ie www.nuigalway.ie/soc/staff/kenny_kate.html	Subjectivity and identity in relation to workplaces and organizations. I am interested in how what we do for work, the kinds of organisations we belong to, and the relationships we have at work, can all affect our sense of self.
Keys, Dr Mary	T: 353 91 493 805 E: mary.keys@nuigalway.ie www.nuigalway.ie/law/Staff/mary_keys.html	Mental health and human rights law, legal capacity and law and older people.
Khoo, Dr Su-Ming	T: +353 91 493 643 E: s.khoo@nuigalway.ie www.nuigalway.ie/soc/staff/khoo_su_ming.html	Contested meanings of development and globalization, development alternatives from the perspectives of sustainability, rights and citizenship, the right to development and right to health, global citizenship, public advocacy and public goods, development education and the globalisation(s) of higher education.

Lang, Dr Michael	T:+353 91 493 515 E: michael.lang@nuigalway.ie www.nuigalway.ie/bis/mlang/	With the increasing pervasiveness of ICT into e-commerce, e-government, e-health and human interactions in modern society, there are growing concerns over security, privacy, ethics and social responsibility. The envisaged project would be in an area related to cybercrime, privacy regulation, socio-technical aspects of ICT security, or socially responsible information systems.
Leader, Dr Geraldine	T: +353 91 493 434 E: geraldine.leader@nuigalway.ie www.nuigalway.ie/psychology/g_leader_page.htm	Co-occurring developmental, psychiatric, and medical conditions among children, adolescents and adults with a diagnosis of autism spectrum disorder.
Ledwith, Dr Valerie	T: +353 91 492 372 E: valerie.ledwith@nuigalway.ie www.nuigalway.ie/geography/staff/ledwith.html	My research explores geographies of marginalisation and exclusion, particularly diversity, difference and socio-spatial mobility. I examine residential segregation and educational inequality in migrant communities and am collaborating on projects with colleagues (Health Promotion, Psychology) examining active commuting and adolescent eating patterns. I incorporate GIS and mixed methodologies in my work.
Lyons, Ms. Rena	T: +353 91 492 918 E: rena.lyons@nuigalway.ie www.nuigalway.ie/faculties_departments/speech_language_therapy/staff/rena_lyons.html	Listening to the perspectives of people with communication impairments; developmental speech and language impairments; evidence-based practice.
MacNeela, Dr Padraig	T: +353 91 495 121 E: padraig.macneela@nuigalway.ie www.nuigalway.ie/psychology/p_mcneela_page.html	Clinical judgement and decision making, health services and nursing research, and volunteering.
Mahon, Dr Marie	T: +353 91 492 376 E: marie.mahon@nuigalway.ie www.nuigalway.ie/geography/staff/mahon.html	Development of rural regions, processes of rural innovation, capacity-building, governance and knowledge systems, particularly in the context of globalization and concerns around rural sustainability. Rural-urban fringe locations—impacts of social and economic change, changing perceptions of rurality. Management of private housing estates— planning, participatory democracy, civic engagement.
Malesevic, Dr Vesna	T: +353 91 495 014 E: vesna.malesevic@nuigalway.ie www.nuigalway.ie/soc/staff/malesevic_vesna.html	Religion and religious organisations, especially the Catholic Church, sexuality and LGBT issues, civil society, Irish society, and Central and Eastern Europe.
McCarthy, Dr Alma	T: +353 91 492846 E: alma.mccarthy@nuigalway.ie	Human Resource Development—training and development design, delivery, and effectiveness; leadership; work-life balance— initiatives, uptake, impact (organisational and individual); 360° feedback processes/multi-source assessment; performance management.
McCauley, Dr Veronica	T: +353 91 495 260 E: veronica.mccauley@nuigalway.ie www.nuigalway.ie/education/staff/veronica_mccauley/index.html	Science education methodologies and assessment, Science outreach activities and evaluation techniques, The integration of technology in education, virtual environments in science education, innovative pedagogical models of teaching and learning.
McDonagh, Dr John	T: +353 91 492 569 E: john.mcdonagh@nuigalway.ie www.nuigalway.ie/geography/staff/mcdonagh.html	Rural development and rural environments (rural restructuring, agricultural change, rural transport, natural resources).
McDonough, Professor Terrence	T: + 353 91 493 164 E: terrence.mcdonough@nuigalway.ie www.economics.nuig.ie/personnel/peoplepage.php?person_id=12	Social structures of accumulation; stages of capitalism; global neoliberalism; the current crisis; the Great Irish Famine; Irish 19th century economic history; Marxian economics.
McGonagle, Dr Marie	T: 353 91 492 179 E: marie.mcgonagle@nuigalway.ie www.nuigalway.ie/law/Staff/marie_mcgonagle.html	Media and communications law, freedom of expression and information law digital, internet law, entertainment law.

McGrath, Dr Brian	T: +353 91 493 405 E: brian.mcgrath@nuigalway.ie www.nuigalway.ie/soc/staff/mcgrath_brian.html	Cultural traditions and development, migration, rural society and change, children/young people and social support, intergenerational relationships, and community governance.
McGuire, Dr Brian	T: +353 91 492 954 E: brian.mcguire@nuigalway.ie www.nuigalway.ie/psychology/b_mcguire_page.htm	Pain management, diabetes care and adjustment to chronic physical illness.
McHale, Professor John	T: +353 91 494 076 E: john.mchale@nuigalway.ie www.economics.nuig.ie/personnel/peoplepage.php?person_id=146	Modern economies are accustomed to growth and become unstable during periods of low or negative growth. Yet we live in a finite world so at some point in time growth will be forced to stop. Very little research has been done on the macro economics of a zero growth economy. Project: <i>Achieving economic stability under conditions of zero growth in Ireland.</i>
McHugh, Orla	T: +353 91 495 283 E: orla.mchugh@nuigalway.ie www.nuigalway.ie/bis/omchugh	Agile methodologies and agile software development teams including the management and control of such teams. Information systems project management and project management certification.
Millar, Dr Michelle	T: +353 91 493 634 E: michelle.millar@nuigalway.ie www.nuigalway.ie/soc/staff/millar_michelle.html	Structural inequalities specifically in contemporary Irish society, social inclusion with a particular emphasis on empirical research that looks at the lived experience of poverty and social exclusion.
Molcho, Dr. Michal	T: +353 91 493 668 E: michal.molcho@nuigalway.ie www.nuigalway.ie/health_promotion/staff/mmolcho.htm	Areas of research cover; adolescent health ; social inequalities; violence and injury prevention; Immigrant health.
Morgan, Lorraine	T: +353 91 492 662 E: lorraine.morgan@nuigalway.ie www.nuigalway.ie/cisc/research/interorg/enterprise_agility.html	Open innovation, open source software, inner source, crowd sourcing, and value networks.
Morrissey, Dr John	T: +353 91 492 267 E: john.morrissey@nuigalway.ie www.nuigalway.ie/geography/staff/morrissey.html	Critical geopolitics; interventionism, securitization and international development; postcolonialism and resistance; identity, memory and place.
Mulligan, Dr Emer	T: +353 91 493 074 E: emer.mulligan@nuigalway.ie www.nuigalway.ie/acc/staff/emer_mulligan/	Taxation is an extremely important legislative area and source of revenue for government. I focus on informing national and international tax policy debate through research on tax planning, tax and strategy, performance measurement, tax risk management, and tax lobbying. I am interested in institutional and social dimensions of tax planning.
Murphy, Professor Ray	T: +353 (91) 493 081 E: ray.murphy@nuigalway.ie www.nuigalway.ie/human_rights/Staff/ray_murphy.html	Projects related to international peace operations or projects related to international humanitarian law.
Nachev, Dr Anatoli	T: + 353 91 493 882 E: anatoli.nachev@nuigalway.ie	Research interests include: data mining techniques and applications in business information systems, pattern recognition and applications in areas such as industry, finance, and medicine; neural networks; adaptive resonance theory; support vector machines; artificial intelligence in information systems; machine learning and knowledge representation.
Nic Gabhainn, Dr. Saoirse	T: +353 91 493 093 E: saoirse.nicgabhainn@nuigalway.ie www.nuigalway.ie/health_promotion/staff/Saoirse.html	School health promotion; health inequalities among children and young people; sexual behaviour; substance use and risk taking and women's health; Health Behaviour in School Children (HBSC).
Ó Cinnéide, An tOllamh Mícheál	T: +353 91 492 314 E: micheal.s.ocinneide@nuigalway.ie www.nuigalway.ie/geography/staff/cinn.html	Local development, sustainable development, An Ghaeltacht.
O Dochartaigh, Dr Niall	T: +353 91 493 594 E: niall.odochartaigh@nuigalway.ie www.nuigalway.ie/soc/staff/odochartaigh_niall.html	Politics of conflict in Northern Ireland, the use of new technologies in conflict situations and on the politics of nationalism and territoriality.

O'Connell, Donncha	T: +353 91 492 821 E: donncha.oconnell@nuigalway.ie www.nuigalway.ie/law/Staff/donncha_oconnell.html	Constitutional law—all aspects, European human rights— all aspects but particularly domestic application, equality law—principles and thematic application.
O'Donovan, Dr. Diarmuid	T: +353 91 493 923 E: diarmuid.odonovan@nuigalway.ie www.nuigalway.ie/health_promotion/staff/diarmuid.htm	Broad areas of research interests include; health inequalities; health policy communicable disease control and environmental health; sexually transmitted, infections and HIV/AIDS substance misuse; health and human rights Maternal and child health; global health and development.
O'Hora, Dr Denis	T: +353 91 495 126 E: denis.ohora@nuigalway.ie www.nuigalway.ie/psychology/d_o_hora_page.htm	Effects of goal statements on behaviour over time, how we interpret the passing of time using the concepts of Before and After, brain changes that correlate with category formation. Human learning and cognition, choice, behavioural dynamics
O'Shea, Professor Eamon	T: +353 91 495 457 E: eamon.oshea@nuigalway.ie www.economics.nuig.ie/personnel/peoplepage.php?person_id=9	With philanthropic support, and within the context of the Lifecourse Institute, the Irish Centre for Social Gerontology is seeking to develop research on economic and social aspects of dementia. We aim to support PhD projects relating to such topics as economics of dementia, evaluation of psychosocial interventions and policy effectiveness.
O'Sullivan, Dr David	T: +353 91 493 017 E: david.osullivan@nuigalway.ie www.it.nuigalway.ie	Knowledge management to support innovation in the networked organisation.
O'Neill, Professor Ciaran	T: +353 91 492 409 E: ciaran.oneill@nuigalway.ie www.economics.nuigalway.ie/personnel/peoplepage.php?person_id=124	The project builds on ongoing multidisciplinary work across a range of projects on obesity. Models of individual choice would be built and tested, the impact of obesity on healthcare need and use would be assessed building on funded work currently underway, a range of therapies would be evaluated in collaboration with colleagues from medicine.
Paolucci, Dr Catherine	T: +353 91 492 155 E: catherine.paolucci@nuigalway.ie www.nuigalway.ie/education	Mathematics education, and particularly in the area of the mathematical knowledge of teachers.
Pech, Dr Laurent , Jean Monnet Chair in EU Public Law	T: + 353 91 493 256 E: laurent.pech@nuigalway.ie www.nuigalway.ie/law/Staff/laurent_pech.html	Comparative public law, EU public law (all aspects but particularly EU Institutions and EU constitutional values and principles), EU human rights law and policies (all aspects including issues such as the EU Charter of Fundamental Rights, EU accession to the European Convention on Human Rights).
Piggins, Dr Ashley	T: +353 91 492 300 E: ashley.piggins@nuigalway.ie homepage.ntlworld.com/apiggins/homepage.htm	Social choice theory, welfare economics, issues on the boundary of economics and philosophy.
Powell, Dr Kathy	T: +353 91 493 804 E: kathy.powell@nuigalway.ie www.nuigalway.ie/soc/staff/powell_kathy.html	Socio-economic change, political culture and political practices in rural Mexico.
Power, Dr. Martin	T: +353 91 492 157 E: martin.p.power@nuigalway.ie www.nuigalway.ie/health_promotion/staff/martinpower.html	Research interests include; social care; theory and practice; care planning; risk; social policy and adult education.
Pursell, Dr. Lisa	T: +353 91 492 044 E: lisa.pursell@nuigalway.ie www.nuigalway.ie/health_promotion/staff/lisa.htm	Health inequalities; environmental health; health impact assessment methodologies and evaluation.

Quinn, Professor Gerard	T: +353 91 524 411 E: gerard.quinn@nuigalway.ie www.nuigalway.ie/law/Staff/gerard_quinn.html	Disability rights in international and national law and policy. This includes issues such as civic engagement of persons with disabilities, financial independence and wealth accumulation strategies, enhancing corporate culture to make it receptive to the talents of disabled people, and health and safety law as a barrier to independent living.
Raghavendra, Dr Srinivas	T: +353 91 495 025 E: s.raghav@nuigalway.ie www.economics.nuigalway.ie/personnel/peoplepage.php?person_id=20	The research project is to study the dynamic interaction between European sovereign Bond and Credit Default Swap (CDS) markets. The study will use non-linear dynamic analysis to model the dynamics of the CDS and Bond markets.
Rau, Dr Henrike	T: +353 91 495 104 E: henrike.rau@nuigalway.ie www.nuigalway.ie/soc/staff/rau_henrike.html	Socio-cultural and environmental causes and consequences of increased physical mobility and transport policy. Other interests include sustainability research in the social sciences, time, cultural diversity and cross-cultural research. Currently involved in the EPA-funded ConsEnSus project on consumption, environment and sustainability (www.consensus.ie).
Reilly, Dr Niamh	T: + 353 91 495 403 E: niamh.reilly@nuigalway.ie www.nuigalway.ie/womens_studies/staff/reilly_niamh.html	Research interests include the gender dimensions of human rights as a legal, ethical and political paradigm. This includes examination of the role of human rights in transnational and local feminisms and of competing women's human rights concerns in multicultural contexts. Research on the interplay of religion and women's human rights also.
Robbins, Dr Geraldine	T: +353 91 493 072 E: geraldine.robbins@nuigalway.ie www.nuigalway.ie/acc/staff/geraldine_robbins/	At the core of reform of public services is "doing more with less" and the pursuit of enhanced performance. Accounting and financial information systems facilitate planning and reporting on actual performance. My research interest focuses on understanding and explaining the impact of these systems on implementation of reforms in public and not-for-profit organisations.
Royle, Dr Tony	T: +353 91 493 771 E: tony.royle@nuigalway.ie www.nuigalway.ie/management/staff/tony_royle.htm	The project/research area would include developments at the global level including corporate social responsibility, ILO standards and international framework agreements. At the European level it would focus on the impact of European directives in the area of employment policy such as posted/temporary workers, EWCs, the European Company Statute.
Ryan, Dr Kevin	T: +353 91 493 111 E: kevin.ryan@nuigalway.ie www.nuigalway.ie/soc/staff/ryan_kevin.html	How the ordering of society (past and present) institutes specific modes of inclusion and exclusion, and in particular the ways in which contemporary discourses of 'social exclusion' have recoded long-standing problems relating to inequality, poverty and domination. The history of the playground and its connection to citizenship.
Ryan, Dr Paul	T: +353 91 492 020 E: paul.a.ryan@nuigalway.ie www.nuigalway.ie/cisc/people/pryan.html	Innovation systems and industrial competitiveness.
Saram, Dr Kiran	T: +353 91 495 715 E: kiran.sarma@nuigalway.ie www.nuigalway.ie/psychology/k_sarma.html	Social forensic psychology, clinical and clinical-forensic psychology. The psychology of risk taking and extreme behaviour, with a particular emphasis on risky driving behaviour (RISK) and terrorism/support for terrorism (EXTREME).

Scharf, Professor Thomas	T: +353 91 495 459 E: thomas.scharf@nuigalway.ie www.nuigalway.ie/icsg/Scharf.html	With philanthropic support, and within the context of the Lifecourse Institute, the Irish Centre for Social Gerontology is seeking to expand its Rural Ageing Observatory. We aim to support PhD projects relating to such topics as intergenerational relations in rural communities, ageing of return migrants, and ageing in island communities.
Scullion, Professor Hugh	T: + 353 91 493 079 E: hugh.scullion@nuigalway.ie www.nuigalway.ie/management/staff/HughScullion.html	Global Talent Management, Global Staffing, The Management of Expatriates, Women in International Management, The Role of the Corporate HR function in the International Firm, and human resource management in the emerging markets.
Sixsmith, Dr. Jane	T: +353 91 493 466 E: jane.sixsmith@nuigalway.ie www.nuigalway.ie/health_promotion/staff/jane.htm	Health communications; community health qualitative methodologies; health services research.
Stanley, Dr Anna	T: +353 91 493 897 E: anna.stanley@nuigalway.ie www.nuigalway.ie/geography/staff/stanley.html	Environmental justice, marginality, environmental politics, nature/culture.
Stewart, Dr Ian	T: +353 91 493 569 E: ian.stewart@nuigalway.ie www.nuigalway.ie/psychology/i_stewart_page.htm	The experimental analysis of language and cognition, applications of relational frame theory, philosophical issues in psychology.
Strohmayr, Professor Ulf	T: +353 91 492 373 E: ulf.strohmayr@nuigalway.ie www.nuigalway.ie/geography/staff/ulf.html	Current research interests: urban issues in contemporary societies, co-operative and sustainable housing, public spaces and public sphere, social philosophies and epistemologies, community construction and maintenance.
Sweeney, Dr Breda	T: +353 91 493 815 E: breda.sweeney@nuigalway.ie www.nuigalway.ie/acc/staff/breda_sweeney/	The impact of financial and time constraints on performance is debated in the literature with evidence that constraints can result in game playing and dysfunctional behaviour but also in increased productivity. My research interest focuses on the role of constraints on the behaviour and attitudes of research and development engineers.
Taylor, Dr George	T: +353 91 493 076 E: george.taylor@nuigalway.ie	Risk and politics; environmental politics; State theory.
Torres, Dr Ann M.	T: +353 91 402 710 E: ann.torres@nuigalway.ie www.nuigalway.ie/faculties_departments/marketing/anntorres.html	Information Retrieval; Evolutionary Computation; Computational Intelligence in Games; Multi-Agent systems and Evolutionary Game Theory.
Turley, Dr Gerard	T: +353 91 493 095 E: gerard.turley@nuigalway.ie www.economics.nuig.ie/personnel/peoplepage.php?person_id=15	Local government reform in Ireland, local government funding in Ireland, tax assignment in sub-national governments across the EU. What can Ireland learn? Real subsidiarity? The measurement of sub-national tax assignment across the EU countries.
Van Rensburg, Dr Thomas	T: + 353 91 493 858 E: thomas.vanrensborg@nuigalway.ie www.economics.nuig.ie/personnel/peoplepage.php?person_id=18	An economic analysis of renewable electricity generation from community based ocean energy schemes in Ireland. The study constitutes an analysis of renewable electricity generation from community based ocean energy schemes using mean-variance portfolio theory (MVP). Valuation techniques including stated and revealed preference methods will be used to quantify non-market effects including environmental and visual amenity impacts. This study evaluates the potential economic contribution from community schemes in Ireland in the Irish coastal zone and Islands in particular.
Varley, Dr Tony	T: +353 91 492 580 E: tony.varley@nuigalway.ie www.nuigalway.ie/soc/staff/varley_tony.html	Populism and local development in Ireland, the smallholder question in Ireland, the community movement, Muintir na Tire.

Wallace, Dr Elaine	T: +353 91 492 603 E: elaine.wallace@nuigalway.ie www.nuigalway.ie/faculties_departments/marketing/elainew.html	Branding strategy, consumer-brand relationships, brand champions and saboteurs, services branding, SME branding, brand advocates, social networks and brand co-creation, brand equity.
Walsh, Dr Jane	T: +353 91 493 102 E: jane.walsh@nuigalway.ie www.nuigalway.ie/psychology/j_walsh_page.htm	Preventative health behaviour and the use of theory-based interventions in both community and hospital settings.
Ward, Dr Eilis	T: +353 91 492 108 E: eilis.ward@nuigalway.ie www.nuigalway.ie/soc/staff/ward_eilis.html	Cosmopolitanism and Buddhist social theory as applied in the context of normative international relations theory, prostitution and sex trafficking from a policy and human rights perspective.

Humanities in Context

Researchers in the Humanities at NUI Galway lead the way in critical inter-disciplinary research into the languages, as well as historical, societal, cultural and intellectual traditions. Research into Ireland's presence within the European and global community and its contribution to international developments, as well as the unique contribution that NUI Galway can make to the Irish language and cultural studies is reflected also in on-going research projects. Through the Moore Institute, NUI Galway has become synonymous with innovative and creative engagement with the arts and the digital humanities. The Moore Institute fosters the culture of research by bringing Scholars and graduate students in the Humanities into contact with peers throughout the world. The Moore Institute will move to a purpose-built facility in 2013.

Supervisor	Contact details	Current research interests
Alderete-Diez, Pilar	T: +353 91 492 193 E: pilar.alderete@nuigalway.ie	Second language acquisition and language teaching and learning. Translation, interpreting, and audiovisual translation and production. Creation of teaching and learning materials. Service learning and language learning. Children's literature and children's studies. Contrastive linguistics.
Antonijević-Elliott, Dr. Stanislava	T: +353 91 495 623 E: stanislava.antonijevic@nuigalway.ie www.nuigalway.ie/faculties_departments/speech_language_therapy/staff/stanislava_antonijevic.html	Research includes; syntactic characteristics of verbs; bilingualism; language impairments
Barr, Dr Rebecca	T: +353 91 495 609 E: rebecca.barr@nuigalway.ie www.nuigalway.ie/english/rebecca_barr.html	Literature of the 'long' eighteenth century, masculinity and literature, printing and print culture, the novel: contemporary poetry and visual culture.
Barry, Dr Gearóid	T: +353 91 493 342 E: gearoid.barry@nuigalway.ie	Modern France, first and second world wars, Pacifism, Franco-German relations, Catholicism in the modern world. Current research project entitled <i>The Disarmament of Hatred</i> about French peace movement in the interwar period (1919–39), linking into broader themes of diplomacy, religion and the history of ideas.
Bartoloni, Professor Paolo	T: +353 91 492 392 E: paolo.bartoloni@nuigalway.ie www.nuigalway.ie/italian/staff/paolo_bartoloni.html	20th-century Italian literature, especially the works of Calvino, Caproni, and Svevo, Italian surrealism (Bontempelli, Savinio,). Comparative literature, especially the works of Agamben, Benjamin, Blanchot, Heidegger, Lacan, and Perniola. Modernism, and the relation between the organic and inorganic. Notion of thingness, the body as thing and things as bodies. Comparative Literary Studies, Translation Studies, Critical Theory, 20th Century Italian Culture.
Bergh, Dr Stefan	T: +353 91 492 052 E: stefan.bergh@nuigalway.ie www.nuigalway.ie/archaeology/Staff/Staff_Stefan_Bergh/index_bergh.html	My main research interest is the interaction between people, place and landscape in prehistory. This is expressed in more specific research areas such as the role of mountains, the location and structure of settlements and the creation and use of ritual monuments. Other areas of research involve dating and lithic technologies.
Bill Richardson, Professor	T: +353 91 492 136 E: bill.richardson@nuigalway.ie www.nuigalway.ie/spanish	Issues of space and place in Hispanic authors: how human spatiality relates to identity, sense of self, memory, transformation of the world, the impact we have on the places in which we live, etc., as seen in selected literary texts from Spain and/or Latin America.
Bisagni, Dr Jacopo	T: +353 91 495 963 E: Jacopo.bisagni@nuigalway.ie www.nuigalway.ie/classics/bisagni/	Indo-European, Celtic, and Latin linguistics. Ancient and medieval bilingualism, language contact and code-switching. Early medieval Irish monastic literature.
Boland, Dr Mel	T: +353 91 493 971 E: mel.boland@nuigalway.ie www.nuigalway.ie/spanish	Translation studies, contemporary Latin American literature, language planning.

Butler, Valerie	T +353 91 492876 E: valerie.butler@nuigalway.ie www.filmschool.ie/staff.php?id=11	3D collaborative virtual environments (CVEs), immersive virtual environments, creative design, human-computer interaction (HCI), teamwork and organisational behaviour, computational visualisation tools and techniques
Byrnes, Dr Deirdre	T: +353 91 492 014 E: deirdre.byrnes@nuigalway.ie www.nuigalway.ie/german/deirdrebyrnes.html	The writing of Monika Maron, GDR literature, Wende literature, literature of the New Berlin Republic, architecture in the New Berlin Republic, memory discourses.
Carey, Professor Daniel	T: + 353 91 493 083 E: daniel.carey@nuigalway.ie www.nuigalway.ie/english/daniel_carey.html	Richard Hakluyt and early modern travel (including editing of <i>The Principal Navigations</i> for OUP), the relationship between travel and natural history, intellectual history including Locke, the Scottish Enlightenment and philosophies of human nature, the history and philosophy of money in the Enlightenment.
Carney, Dr Clíodhna	T: +353 91 492 701 E: cliona.carney@nuigalway.ie www.nuigalway.ie/english/clíodhna_carney.html	Chaucer, medieval poetics, gifts and exchange, Spenser's <i>Faerie Queene</i> .
Clarke, Professor Michael	T: +353 91 495 230 E: michael.clarke@nuigalway.ie www.nuigalway.ie/classics/clarke/	Renewal, recreation, and reception of classical mythology, historiography, and pseudo-history in the Greek, Roman, and medieval worlds, with particular reference to (a) poetic discourses in Greek and Latin, (b) Late Antique and medieval mythography, (c) translation and transformation in Christian traditions, especially Medieval Latin, Old English, and Middle Irish.
Clear, Dr Caitriona	T: +353 91 493 099 E: caitriona.clear@nuigalway.ie www.nuigalway.ie/history/clear/index.html	History of women, social history of Ireland and Europe in the 18th and 19th centuries.
Conroy, Professor Jane	T: +353 91 492 260 E: jane.conroy@nuigalway.ie www.nuigalway.ie/french/staff_profile_jane.html	Franco-Irish relations and cultural exchange (17th to 19th century), especially as evidenced in travel accounts, linguistic dimensions of intra-European travel and European travel in other regions. 17th-century French theatre. Translation.
Cooke, Ruadhán	T: +353 91 493 398 E: ruadhan.cooke@nuigalway.ie www.nuigalway.ie/french/staff_profile_ruadhan.html	French Canadian literature and society; commercial French.
Coolahan, Dr Marie-Louise	T: +353 91 493 787 E: marielouise.coolahan@nuigalway.ie www.nuigalway.ie/english/marie_louise_coolahan.html	16th- and 17th-century English literature, Irish- and English-language women's writing in the early modern period, Renaissance manuscript culture.
Cronin, Dr Nessa	T: +353 91 492 893 E: nessa.cronin@nuigalway.ie www.nuigalway.ie/research/centre_irish_studies/staff_nessa.htm	Sense of place and Irish culture and writing, philosophies of space and place, Irish historical cartography, colonial and imperial geographies of knowledge.
Crosson, Dr Seán	T: +353 91 495 687 E: sean.crosson@nuigalway.ie www.nuigalway.ie/our-research/researcher-profiles/sean-crosson.html	My research interests include Irish film, ethnicity and film, the Irish language and film, and film and sport. My current research project examines the representation of sport in film, the subject of a conference and several symposia held in the Huston School over the past three years, and of a forthcoming monograph.
Crowther, Professor Paul	T: +353 91 494 097 E: paul.crowther@nuigalway.ie www.nuigalway.ie/philosophy/staff/web_pages/paul_crowther.html	Philosophical aesthetics—especially concerning the visual arts, philosophy of art history, philosophy of culture, Kant, existential phenomenology and hermeneutics, Hegel and the Hegelian tradition.
Cunningham, Dr John	T: +353 91 495 642 E: john.cunningham@nuigalway.ie www.nuigalway.ie/history/cunningham/index.html	Labour history, Irish local history, the dynamics of social conflict in urban and rural Ireland. Current research project investigates social conflict during periods of food scarcity in 18th and 19th century Ireland.
Dallago, Dr Enrico Dallago	T: + 353 91 493 546 E: enrico.dallago@nuigalway.ie www.nuigalway.ie/history/dallago/index.html	Comparative history and comparative slavery and antislavery, slavery and free and unfree labour in the New World and Old World, elite ideology, abolitionism, and nationalism in the Americas and Europe, the American South and the United States in the Civil War in comparative perspective with Italy and Europe.
Damm, Professor Charlotte	T: +353 91 494 275 E: charlotte.damm@nuigalway.ie www.nuigalway.ie/archaeology/Staff/Staff_Charlotte_Damm/index_damm.html	Multicultural interaction, collective identities including ethnicity and gender, indigenous archaeology, prehistoric rituals and religion, hunter/gatherers, materiality, Fennoscandinavian archaeology.

De Paor, Dr Louis	T: +353 91 493 660 E: louis.depaor@nuigalway.ie www.nuigalway.ie/centre_irish_studies/personnel_louis.htm	Articles on a broad range of writing in Irish from the court poetry of medieval Ireland to the work of contemporary poets such as Nuala Ní Dhomhnaill and Michael Davitt. His books include a study of narrative technique in the short fiction of Máirtín Ó Cadhain and an anthology of twentieth century poetry in Irish co-edited with Seán Ó Tuama. He is currently working on a study of the writings of Flann O'Brien and is Director of the Centre for Irish Studies at NUI Galway. Current research interests include twentieth-century writing in Irish and in English, translation studies, the works of Máirtín Ó Cadhain, Flann O'Brien,, Seán Ó Ríordáin, and early modern Irish poetry.
Denvir, An tOllamh Gearóid	T: +353 91 492 560 E: gearoid.denvir@oegailimh.ie www.nuigalway.ie/gaeilge/foireann/foireann1/	Nualitricht na Gaeilge agus an litricht bhéil.
Dine, Dr Philip	T: +353 91 492 391 E: philip.dine@nuigalway.ie www.nuigalway.ie/french/staff_profile_phil.html	Information Retrieval; Evoluntary Computation; Computational Intelligence in Games; Multi-Agent systems and Evolutionary Game Theory.
Downey, Dr Clodagh	T: +353 91 492 558 E: clodagh.downey@oegailimh.ie www.nuigalway.ie/gaeilge/foireann/foireann4/	Teanga agus Litricht na Sean- agus na Meán-Ghaeilge, filíocht na Meán-Ghaeilge.
Doyle, Dr Tsarina	T: +353 91 495 473 E: tsarina.doyle@nuigalway.ie www.nuigalway.ie/philosophy/staff/web_pages/Tsarina_Doyle.html	My research interests include epistemology and metaphysics in early and late modern philosophy, with particular emphasis on Leibniz, Kant and Nietzsche. I am also interested in how these historically situated approaches intersect with contemporary debates. I am currently working on issues of cognition, value and culture in Nietzsche's writings. I am interested in supervising postgraduate research on any of the above areas.
Duddy, Dr Thomas	T: +353 91 492 572 E: Tom.Duddy@nuigalway.ie www.nuigalway.ie/philosophy/staff/web_pages/Tom_Duddy.html	Irish intellectual history, ethics and the environment, philosophy of mind, philosophy of literature, poetry and poetics.
Ellis, Professor Steven G.	T: +353 91 492 272 E: steven.ellis@nuigalway.ie www.nuigalway.ie/history/ellis/index.html	British and Irish History, 15th–17th centuries with a particular interest in such topics as state formation, frontiers, and regions. Current research includes a book comparing two frontier regions, Northumberland in the English far north and Meath in the English Pale in Ireland, in the early Tudor period, and EU projects ENGLOBE (Enlightenment and Globalization) and CLIOH WORLD (Regional and Transnational History).
Emerson, Dr Catherine	T: +353 91 493 801 E: catherine.emerson@nuigalway.ie www.nuigalway.ie/french/staff_profile_catherine.html	History of the book, particularly in French. Early editions of medieval French texts. French chronicle of the middle ages. Modern medievalisms. Medieval French literature and language Belgian society and culture. The Burgundian court of the fifteenth century.
Felzmann, Dr Heike	T: +353 91 495 043 E: heike.felzmann@nuigalway.ie www.nuigalway.ie/philosophy/staff/web_pages/Heike_Schmidt-Felzmann.html	Bioethics (especially health care ethics), professional ethics, research ethics, moral philosophy, philosophy of psychology and psychiatry.
Fitzpatrick, Dr Elizabeth	T: +353 91 492 670 E: elizabeth.fitzpatrick@nuigalway.ie www.nuigalway.ie/archaeology/Staff/Staff_Elizabeth_FitzPatrick/index_fitzpatrick.html	Cultural landscapes of historical Ireland, Medieval and early modern Gaelic civilisation, Assembly culture in Ireland and medieval Europe, Urban settlement in traditional societies, Churches in their landscapes.
Forrestal, Dr Alison	T: +353 91 495629 E: alison.forrestal@nuigalway.ie www.nuigalway.ie/history/forrestal/index.html	My research interests include the history of early modern France and the Catholic Reformation. My current research project examines the development and impact of distinct aspects of French reform, specifically the 'mission of charity' promoted by Vincent de Paul, and the creation of networks of devout affinities during the seventeenth century.
Frazier, Professor Adrian	T: +353 91 493 129 E: adrian.frazier@nuigalway.ie www.nuigalway.ie/english/adrian_frazier.html	The poetry of W.B. Yeats, Maud Gonne and France, 20 th century Irish theatre, George Moore, the films of John Ford, Oscar Wilde, creative nonfiction, Irish poets since the 1970s, creative industry, biography, descriptive writing, beauty in/of literature, Irish culture studies.

Harris, Dr Mary	T: +353 91 493 290 E: mary.harris@nuigalway.ie www.nuigalway.ie/history/harris/index.html	The Northern Ireland conflict, politics and conflict in early 20th-century Ireland, Ireland and the wider world.
Healy, Dr Róisín	T: +353 91 492 551 E: roisin.healy@nuigalway.ie www.nuigalway.ie/history/healy/index.html	Modern German history, modern Polish history, Irish contacts and comparisons with continental Europe from 1750 to 2000, nationalism and colonial relationships in central Europe, religion and church-state relations in central Europe, history of suicide.
Herring, Dr Edward	T: +353 91 493 383 E: edward.herring@nuigalway.ie www.nuigalway.ie/classics/herring/	The archaeology of South Italy in the Iron Age and Classical periods, especially South Italian matt-painted pottery and South Italian red-figure.
Holohan, Dr Conn	T: +353 91 495 686 E: conn.holohan@nuigalway.ie www.filmschool.ie/staff.php?id=8	My research interests include Deleuzian film theory, film space and landscape, gender and sexuality onscreen, Irish and Spanish national cinemas and the short film. My current research project explores utopian spaces in film.
Hull, Dr Richard	T: +353 91 493 714 E: richard.hull@nuigalway.ie www.nuigalway.ie/philosophy/staff/web_pages/Richard_Hull.html	Biomedical ethics, ethical issues concerning disability and new genetic technologies, ethical and political theory, issues concerning relative deprivation and poverty more generally.
Isaac, Dr Graham	T: +353 91 492 550 E: graham.isaac@nuigalway.ie www.nuigalway.ie/gaeilge/foireann/foireann6/	Comparative and general linguistics of the Celtic languages. Ancient Continental Celtic languages. Early Welsh language and literature, especially the transmission of early Welsh poetry. Early Irish language and literature. Poetics and metrics.
Jones, Dr Carleton	T: +353 91 492 303 E: carleton.jones@nuigalway.ie www.nuigalway.ie/archaeology/Staff/Staff_Carleton_Jones/index_jones.html	The development of prehistoric societies in Ireland with a particular focus on the Chalcolithic and Bronze Age periods. Also: Neolithic and Bronze Age landscapes, regionality in prehistoric Ireland, and the prehistory of the Burren.
Jones, Professor Timothy Emlyn	T: +353 65 707 7200 E: tejones@burrencollege.ie www.burrencollege.ie	Current areas of research in my laboratory include projects investigating the immunological mechanisms underlying kidney disease and organ transplant complications, the role of stem cell therapies in suppressing harmful immune responses, the immunomodulatory properties of active vitamin D compounds.
Kelly, Dr Amanda	T: +353 91 495 746 E: amanda.kelly@nuigalway.ie www.nuigalway.ie/classics/kelly/	Hydraulic architecture (including aqueducts, bathhouses and mills), Roman art and architecture as political propaganda, inscriptional studies, Greek warfare and engineering, Greek athletics and concepts of beauty.
Kelly, Dr Lorraine	T: +353 91 495 927 E: lorraine.kelly@nuigalway.ie www.nuigalway.ie/spanish	Latin American Literature, specifically women writers. Gender studies in a Latin American context.
Kenny, Dr John	T: + 353 91 495 612 E: john.kenny@nuigalway.ie www.nuigalway.ie/english/john_kenny.html	Practice-based work in Creative Writing, Contemporary Irish and World Fiction, the works of John Banville, John McGahern and Patrick McCabe, Literary Journalism and reviewing. Current projects: a collection of short stories and a novel, and individual critical works on Banville, McGahern and McCabe.
Lannegrand, Dr Sylvie	T: +353 91 493 088 E: sylvie.lannegrand@nuigalway.ie www.nuigalway.ie/french/staff_profile_sylvie.html	French autobiography and diary writing, contemporary French novel.
Lenihan, Dr Pdraig	T: +353 91 495 680 E: padraig.lenihan@nuigalway.ie www.nuigalway.ie/history/Lenihan/Lenihan.html	Biography of Richard Talbot earl of Tyrconnell (d.1691) and edited translation of seventeenth century Latin epic poem: <i>Poema de Hibernia</i> . Willing to supervise any project on Irish history 1590 to 1740, or on early modern military history.
Lonergan, Dr Patrick	T: +353 91 495 609 E: patrick.lonergan@nuigalway.ie www.nuigalway.ie/english/patrick_lonergan.html	Irish literature and drama. Theatre and globalization. Shakespeare and Ireland. J.M. Synge. Contemporary drama.

LoPrete, Dr Kimberley	T: +353 91 493 547 E: kim.loprete@nuigalway.ie www.nuigalway.ie/history/loprete/index.html	My research and supervisory expertise lies in Medieval Europe, c950–1200, most notably Capetian France, lordship, society and the ‘feudal transformation’, aristocratic women and gender, crusaders and crusading, charters and chronicles as sources (e.g., re Normans, Ottonians, travel beyond Europe, new religious movements, medieval uses of the past), manuscript studies and diplomatic.
Mahon, Dr Joe	T: +353 91 492 574 E: joseph.mahon@nuigalway.ie www.nuigalway.ie/philosophy/staff/web_pages/Joseph_Mahon.html	Introduction to practical ethics, moral and political philosophy, marxism and existentialism, culture and society.
McCormack, Dr Frances	T: +353 91 495 348 E: frances.mccormack@nuigalway.ie www.nuigalway.ie/english/frances_mc_cormack.html	I am willing to supervise projects on Old and Middle English language and literature, religious literature, Irish-English literary dialect, and the writings of Graham Greene.
McLoughlin, Dr Laura Incalcaterra	T: +353 91 492 240 E: laura.mcloughlin@nuigalway.ie www.nuigalway.ie/italian/staff/laura_mcloughlin.html	Audiovisual translation: subtitling, applied linguistics, language teaching methodology, language and technology.
Mooney, Dr Sinéad	T: +353 91492 566 E: sinead.mooney@nuigalway.ie www.nuigalway.ie/english/sinead_mooney.html	My research interests include modernism, gender, Irish literature, particularly Irish women’s writing, and the work of Samuel Beckett. I have just published a Beckett monograph (<i>A Tongue Not Mine: Beckett and Translation</i> , Oxford University Press, 2011). My current research project is on Irish women’s modernism.
Moran, Dr Pádraic	T: +353 91 492 587 E: padraic.moran@nuigalway.ie www.nuigalway.ie/classics/moran/	Education in late antiquity and the early medieval west. The study of Latin, Greek, and Hebrew in early medieval Ireland. Glossed manuscripts and textual commentaries. Glossaries and early lexicography. Classical and Celtic historical linguistics. Digital editing and electronic scholarly resources.
Myers, Dr Lindsay	T: +353 91 492 396 E: lindsay.myers@nuigalway.ie www.nuigalway.ie/italian/staff/lindsay_myers.html	Children’s literature and film adaptation, Italian children’s literature, creativity and the arts in education, children’s literature and translation.
Newman, Conor	T: +353 91 493 407 E: conor.newman@nuigalway.ie www.nuigalway.ie/archaeology/Staff/Staff_Conor_Newman/index_newman.html	Raffin Fort, Co. Meath, excavations. Christian symbols and iconography on Irish brooches (500–650 AD). Sword ceremonies in early medieval Ireland. Irish Christian art and iconography 5th to 8th centuries. Landscapes and ceremonies of early medieval Irish kingship.
Ní Dhonnchadha, An tOllamh Máirín	T: + 353 91 493 010 E: mairin.nidhonnchadha@nuigalway.ie www.nuigalway.ie/oldirish	Language and literature of the Old and Middle Irish period (c. 600–1200), including the editing of literary and historical texts, linguistic topics, studies in secular and ecclesiastical culture, and gender issues in the medieval Gaelic world. Also research on aspects of ‘The Connacht Project’ (www.nuigalway.ie/oldirish).
Ní Mhainnín, Dr Máire Áine	T: +353 91 493 397 E: mary.mannion@nuigalway.ie www.nuigalway.ie/french/staff_profile	Translation studies, literature and spirituality, French-Canadian literature, especially women’s writing, 20th-century French Literature.
Ó Cinnéide, Dr Muireann	T: +353 91 495 388 E: muireann.ocinneide@nuigalway.ie www.nuigalway.ie/english/muireannocinneide.html	19th-century literature, research specialisms in women’s writing, politics and literature, and colonial and post-colonial writing, particularly travel writing.
Ó Cíosáin, Dr Niall	T: +353 91 493 019 E: niall.ociosain@nuigalway.ie www.nuigalway.ie/history/ociosain/index.html	The social and cultural history of 18th- and 19th-century Ireland and Europe, particularly literacy and education, the history of the book in Ireland, popular printing and reading, language shift and language change.
Ó Cofaigh, Éamon	T: +353 91 493 802 E: eamon.ocofaigh@nuigalway.ie www.nuigalway.ie/french/staff_profile_eamon.html	Regionalism and France, the development of space in 20th-century France, minority languages in France, 20th-century French culture, French modernity, French tourism and recreation.
Ó Cróinín, Professor Dáibhí	T: +353 91 492 697 E: daibhi.ocroinin@nuigalway.ie www.nuigalway.ie/history/ocroinin/index.html	Ireland, Britain and Europe during the Early Middle Ages, computistics, medieval Latin palaeography, Irish traditional music and song.
Ó Gormaille, Professor Pádraig	T: +353 91 492 123 E: padraig.ogormaille@nuigalway.ie www.nuigalway.ie/french/staff_profile_pog.html	French literatures, the works of Jean Sulivan (1913–1980), literature and spirituality, Québec studies.

Ó Laoire, Dr Lillis	T: +353 91 495 709 E: lillis.olaoire@nuigalway.ie www.nuigalway.ie/gaeilge/foireann/foireann13/	Transformations and performances in the Atlantic World. Evidence from folklore and popular culture. Béaloideas na Gaeilge. An Amhránaíocht, An Scéalaíocht. Gnéithe den chultúr traidisiúnta. Comparáidí traschultúrtha. Athrú agus leanúnachas sa traidisiún.
Ó Muraile, Dr Nollaig	T: +353 91 492 578 E: nollaig.omuraile@nuigalway.ie www.nuigalway.ie/gaeilge/foireann/foireann5/	Irish place-names, personal names, and surnames, medieval Irish genealogies, late medieval Irish learned families, Irish manuscript tradition post-1200, Irish scribes and scholars, unpublished writings of Dubhaltach Mac Fhirbhisigh, Tadhg Ó Cianáin and the 'Flight of the Earls', Mícheál Ó Cléirigh, early modern Irish prose—including translations from English and Latin.
Ó Murchadha, Dr Felix	T: +353 91 492 373 E: felix.omurchadha@nuigalway.ie www.nuigalway.ie/philosophy/staff/web_pages/Felix_O_Murchadha.html	Phenomenology (especially Heidegger, Merleau-Ponty, Ricoeur, Levinas, Marion), philosophy of religion, philosophy of time, and philosophy of violence.
O'Connor, Dr Anne	T: +353 91 493 794 E: anne.oconnor@nuigalway.ie www.nuigalway.ie/italian/staff/anne_o_connor.html	Translation from Italian into English, 19th-century Italy, nationalism and culture, historical novel, Ireland and Italy in the 19th-century, monuments and memory, cultural memory.
O'Conor, Dr Kieran	T: +353 91 493 820 E: kieran.d.oconor@nuigalway.ie www.nuigalway.ie/archaeology/Staff/Staff_Kieran_OConor/index_oconor.html	Anglo-Norman Ireland, high medieval Gaelic Ireland, medieval rural settlement and agriculture, castles.
Pilkington, Dr Lionel	T: +353 91 493 078 E: lionel.pilkington@nuigalway.ie www.nuigalway.ie/english/lionel_pilkington.html	Irish drama, theatre and Irish cultural history, postcolonialism and Irish studies, culture and politics in Northern Ireland
Pusse, Dr Tina-Karen	T: +353 91 495 874 E: tina-karen.pusse@nuigalway.ie www.nuigalway.ie/faculties_departments/german/tinapusse.html	Ecocriticism, gender studies, German poetry of the early 20th century.
Quinn, Dr Kate	T: +353 91 492 702 E: kate.quinn@nuigalway.ie www.nuigalway.ie/spanish	Latin American historical fiction (especially that dealing with the legacy of colonial encounters, and the establishment of the modern nations). Spanish-language crime narrative. Comparative studies in the crime genre. Chilean history, politics, and culture.
Rodgers, Ornaithe	T: +353 91 493 800 E: ornaithe.rodgers@nuigalway.ie www.nuigalway.ie/french/staff_profile_ornaithe.html	Gender and language, scientific French, French language teaching and new technologies.
Ronayne, Ms. Maggie	T: +353 91 49 3701, E: maggie.ronayne@nuigalway.ie, www.nuigalway.ie/archaeology/Staff/Staff_Maggie_Ronayne/index_ronayne	Public archaeology focusing on cultural destruction, particularly by roads and dams development and the tourist industry; cultural destruction and manipulation of heritage during war and occupation.
Ryder, Professor Sean	T: +353 91 493 009 E: sean.ryder@nuigalway.ie www.nuigalway.ie/english/sean_ryder.html	19th-century Irish culture, the works of Thomas Moore and James Clarence Mangan, digital humanities: critical editing, film studies
Sangrador-Vegas, Begoña Begoña	T: +353 91 493 719 E: begona.sangrador-vegas@nuigalway.ie www.nuigalway.ie/spanish	Applied linguistics: second language acquisition and inter-language studies. Economic and social issues in contemporary Spain.
Schmidt-Hannisa, Professor Hans-Walter	T: +353 91 492 239 E: h.schmidthannisa@nuigalway.ie www.nuigalway.ie/german/profschmidthannisa.html	German literature from the 18th century to the present (in particular enlightenment, Romanticism and early 20th century). Cultural and literary history of the dream and of dream records. Literature and money. Cultural significance of the book.
Scott, Dr. Maria	T: +353 91 49 2230 E: maria.scott@nuigalway.ie www.nuigalway.ie/french/staff_profile_maria.html	19th century poetry, prose poetry, novel, Charles Baudelaire, Stendhal, gender studies, critical theory.
Shaughnessy, Dr Lorna	T: +353 91 492 229 E: lorna.shaughnessy@nuigalway.ie www.nuigalway.ie/spanish	Modern Mexican and Central American poetry, the uses of classical mythology in 20th century Mexican and Central American literatures, and poetry in translation (theory and practice).

Shields, Michael	T: +353 91 492 627 E: michael.shields@nuigalway.ie www.nuigalway.ie/german/michaelshields.html	Medieval European lyric (especially <i>Minnesang</i> , <i>Spruch</i> , rhetoric of text with melody), psychological reflexivity around 1200 (reception of Ovid's Narcissus), effects of cultural innovation in lyric ca.1400, translation studies.
Stansbury, Dr Mark	T: +353 91 495 782 E: mark.stansbury@nuigalway.ie www.nuigalway.ie/classics/stansbury/	Palaeography and manuscript culture. Transmission of Latin texts in Late antiquity and the early middle ages. Textual and visual representations of Rome.
Stoneman, Professor Rod	T: +353 91 492 999 E: rod.stoneman@nuigalway.ie www.filmschool.ie/staff.php?id=1	Visual culture, film and politics, Jean-Luc Godard, the avant garde, early cinema.
Tilley, Dr Elizabeth	T: + 353 91 492 581 E: elizabeth.tilley@nuigalway.ie www.nuigalway.ie/english/elizabeth_tilley.html	Research interests include nineteenth-century Irish periodicals, gothic literature, book history, literature and art. My current project is a history of representative periodicals and publishing history in Ireland
Tosh, Dr Nick	T: +353 91 495 929 E: nick.tosh@nuigalway.ie www.nuigalway.ie/philosophy/staff/web_pages/nick_tosh.html	Philosophy of science, philosophy of language, philosophy of history.
Tracy, Dr Tony	T: +353 91 493 839 E: tony.tracy@nuigalway.ie www.filmschool.ie/staff.php?id=3	My current research centres on Irish cinema and the history of Irish American cinema across all periods, with an emphasis on considerations of masculinity.
Walsh, Dr John	T: +353 91 492 563 E: john.walsh@oegaillimh.ie www.nuigalway.ie/gaeilge/foireann/foireann3/	Irish language policy, language policy, language legislation, language ideology in comparative context, minority language media, language and socio-economic development, concept of the Irish Breac-Ghaeltacht.