



Coláiste an Leighis, an
Altranais & na nEolaíochtaí
Sláinte

College of Medicine, Nursing &
Health Sciences

Project Number	Principal Investigator	Keyword 1	Keyword 2	Project Title	Contact (Email and Link to Research Profile)
1	Prof Tim O'Brien	Stem Cells	Diabetes	Therapeutic use of MSCs in the treatment of diabetic complications	timothy.obrien@nuigalway.ie; https://www.nuigalway.ie/our-research/people/timothyobrien/
2	Prof Matt Griffin	Stem Cells	Diabetes	Human intermediate monocyte abnormalities in diabetic kidney disease.	Matthew.griffin@nuigalway.ie; www.curamdevices.ie; www.visicort.eu; www.nephstrom.eu; https://www.nuigalway.ie/our-research/people/matthewgriffin/
3	Prof Matt Griffin	Stem Cells	Diabetes	Regulatory T cell therapeutic effects in diabetic kidney disease.	Matthew.griffin@nuigalway.ie; www.curamdevices.ie; www.visicort.eu; www.nephstrom.eu; https://www.nuigalway.ie/our-research/people/matthewgriffin/
4	Prof Matt Griffin	Stem Cells	Diabetes	Mechanisms of mesenchymal stromal cell promotion of regulatory T cell expansion.	Matthew.griffin@nuigalway.ie; www.curamdevices.ie; www.visicort.eu; www.nephstrom.eu; https://www.nuigalway.ie/our-research/people/matthewgriffin/
5	Dr Karl McCullagh	Skeletal Muscle	Therapy	Vascular plasticity and target for therapy in Duchenne muscular dystrophy.	Karl.mccullagh@nuigalway.ie; https://www.nuigalway.ie/ourresearch/people/karlmccullagh/
6	Dr Karl McCullagh	Skeletal Muscle	Therapy	The skeletal muscle-vascular axis in Duchenne Muscular Dystrophy	Karl.mccullagh@nuigalway.ie; https://www.nuigalway.ie/ourresearch/people/karlmccullagh/
7	Dr Brian McDonagh	Physiology	Disease	Exercise mediated redox regulation of microRNA biogenesis	brian.mcdonagh@nuigalway.ie; https://www.nuigalway.ie/ourresearch/people/brianmcdonagh/
8	Dr Amir Shafat	Physiology	Disease	Gastrointestinal motility in health and disease	Amir.shafat@nuigalway.ie; http://www.nuigalway.ie/ourresearch/people/amirshafat/

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9	Dr Amir Shafat; Dr Karl McCullagh; Dr Brian McDonagh	Physiology	Disease	The role of lactate in metabolic physiology and diabetes	Amir.shafat@nuigalway.ie; karl.mccullagh@nuigalway.ie; brian.mcdonagh@nuigalway.ie
10	Prof Terence Prendiville, Prof Sanbing Shen	Stem Cells	Cardiology	Phenotypic characterisation of human iPSCs for LQTS heart diseases	terence.prendiville@gmail.com; https://www.nationalchildrensresearchcentre.ie/people/terence-prendiville/
11	Prof Sanbing Shen	Stem Cells	Autism	Phenotypic characterisation of human induced pluripotent stem cells (iPSCs) for Autism.	Sanbing.shen@nuigalway.ie; https://www.nuigalway.ie/ourresearch/people/sanbingshen/ ; WeChat: sanbingshen
12	Prof Sanbing Shen	Stem Cells	Chinese Medicine	Genome editing and construction of report iPSC lines for screening of Chinese medicine	Sanbing.shen@nuigalway.ie; https://www.nuigalway.ie/ourresearch/people/sanbingshen/ ; WeChat: sanbingshen
13	Dr Ronan MT Fleming	Stem Cells	Parkinsons	Microfluidic cell culture of stem cell-derived neuronal models of Parkinson's disease	ronan.mt.fleming@nuigalway.ie; http://www.nuigalway.ie/webtest/ronan.html ; +353-87-341-3072
14	Dr Ananya Gupta	Exercise	Cancer	Pre-operative exercise interventions for lung cancer patients	ananya.gupta@nuigalway.ie; http://www.nuigalway.ie/ourresearch/people/ananyagupta/ ; http://spark.adobe.com/page/Kqp0lxsRjKr63/
15	Dr Ananya Gupta	Chemotherapy	Cancer	Management and prevention of chemotherapy induced toxicity in Cancer treatment	ananya.gupta@nuigalway.ie; http://www.nuigalway.ie/ourresearch/people/ananyagupta/ ; http://spark.adobe.com/page/Kqp0lxsRjKr63/
16	Dr Ananya Gupta	Chemotherapy	Cancer	Exercise as Therapy and its Application in Cancer rehabilitation	ananya.gupta@nuigalway.ie; http://www.nuigalway.ie/ourresearch/people/ananyagupta/ ; http://spark.adobe.com/page/Kqp0lxsRjKr63/
17	Dr Sanjeev Gupta	Chemotherapy	Cancer	Targeting endocrine resistance in breast cancer by modulators of Unfolded Protein Response	Sanjeev.gupta@nuigalway.ie; http://www.nuigalway.ie/medicine-nursing-and-health-sciences/medicine/disciplines/pathology/research2/sanjeevgupta/
18	Dr Sanjeev Gupta	non-coding RNAs	Cancer	Role of non-coding RNAs in regulation of cancer progression and cell death	Sanjeev.gupta@nuigalway.ie; http://www.nuigalway.ie/medicine-nursing-and-health-sciences/medicine/disciplines/pathology/research2/sanjeevgupta/

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19	Dr Sanjeev Gupta	Chemotherapy	Cancer	Molecular mechanisms of resistance to chemotherapy treatment in breast cancer	https://scholar.google.com/citations?user=ESImKpcAAAAJ&hl=en
20	Dr Leo Quinlan	Physiology	Disease	The skeletal muscle secretome in health and disease.	leo.quinlan@nuigalway.ie; https://www.nuigalway.ie/ourresearch/people/leoquinlan
21	Dr Leo Quinlan	Physiology	Disease	Targeting the chondrocyte channelome in osteoarthritis.	leo.quinlan@nuigalway.ie; https://www.nuigalway.ie/ourresearch/people/leoquinlan
22	Dr Leo Quinlan	Physiology	Disease	Targeting barrier function in bladder disease	leo.quinlan@nuigalway.ie; https://www.nuigalway.ie/ourresearch/people/leoquinlan
23	Dr Leo Quinlan	Physiology	Disease	IPS cell and biomaterials for the treatment of neurodegenerative diseases specifically Parkinson's and Alzheimers disease.	leo.quinlan@nuigalway.ie; https://www.nuigalway.ie/ourresearch/people/leoquinlan
24	Prof Ines Thiele	Gut-Brain Axis		Elucidation of deranged metabolic pathways in cognitive decline and Alzheimer's disease using computational modeling of gut microbiome data.	ines.thiele@nuigalway.ie; https://www.nuigalway.ie/medicinenursing-and-health-sciences/staffprofiles/inesthiele/
25	Prof Ines Thiele	Gut-Brain Axis		Computational modeling of the gut-brain axis in neurodegeneration.	ines.thiele@nuigalway.ie; https://www.nuigalway.ie/medicinenursing-and-health-sciences/staffprofiles/inesthiele/
26	Prof Ines Thiele	Gut-Brain Axis		Computational modeling of Chinese Medicine products	ines.thiele@nuigalway.ie; https://www.nuigalway.ie/medicinenursing-and-health-sciences/staffprofiles/inesthiele/
27	Dr Sinéad Hynes	Neurology / Rehabilitation		Adapting and testing a cognitive rehabilitation programme for people with multiple sclerosis (primary progressive)	Sinead.hynes@nuigalway.ie; http://www.nuigalway.ie/ourresearch/people/health-sciences/sineadhynes/index.html
28	Dr Karen Doyle	Stroke		Understanding the clots that cause strokes: a compositional and proteomic analysis of acute ischaemic stroke blood clots.	Karen.doyle@nuigalway.ie; Tel: https://www.nuigalway.ie/ourresearch/people/medicine/karendoy le/



29	Prof Michael O'Dwyer	Cancer		Development of natural killer cells from human induced pluripotent stem cells.	michael.odwyer@nuigalway.ie; http://www.nuigalway.ie/ourresearch/people/medicine/michaelodwyer/
30	Prof Michael Kerin	Cancer		Characterisation of oncological properties of traditional Chinese medicine derived products in vitro.	michael.kerin@nuigalway.ie; https://www.nuigalway.ie/ourresearch/people/medicine/michaelkerin/
31	Prof Michael Kerin	Cancer		Mode of action of impactful Chinese anticancer therapy.	michael.kerin@nuigalway.ie; https://www.nuigalway.ie/ourresearch/people/medicine/michaelkerin/
32	Dr Katarzyna Goljanek-Whysall	MicroRNA	Muscle	The role of microRNAs in muscle wasting	kasia.whysall@nuigalway.ie; https://www.nuigalway.ie/ourresearch/people/kasiawhysall/
33	Dr Katarzyna Goljanek-Whysall	MicroRNA	Muscle	MicroRNAs for tissue rejuvenation through elimination of senescent cells	kasia.whysall@nuigalway.ie; https://www.nuigalway.ie/ourresearch/people/kasiawhysall/
34	Prof Mary Murphy	Stem Cells	Osteoarthritis	Stem cells: basic mechanisms of action in disease/therapy using identified factors for osteoarthritis and other indications	mary.murphy@nuigalway.ie; https://www.nuigalway.ie/our-research/people/marymurphy/
35	Prof Aoife Lowery	Cancer		Evaluation of Ablative Approaches to Breast Cancer Treatment - Microwave Ablation & Irreversible Electroporation	aoife.lowery@nuigalway.ie, https://www.nuigalway.ie/our-research/people/medicine/aoifelowery/ , http://www.nuigalway.ie/womeninmedicine/
36	Prof Aoife Lowery	Cancer	Regeneration	Adipose derived stem cells and hydrogels for novel tissue engineering approaches to breast reconstruction	aoife.lowery@nuigalway.ie, https://www.nuigalway.ie/our-research/people/medicine/aoifelowery/ , http://www.nuigalway.ie/womeninmedicine/
37	Prof John J Carey	Osteoporosis		The DXA-HIP Project (Dual-energy X-ray Absorptiometry - Health Informatics Prediction) Project	john.j.carey@nuigalway.ie , https://www.nuigalway.ie/our-research/people/medicine/johnjcarey/
38	Prof John J Carey	Non-Communicable Diseases		The DXA-HIP Project (Dual-energy X-ray Absorptiometry - Health Informatics Prediction) Project	john.j.carey@nuigalway.ie , https://www.nuigalway.ie/our-research/people/medicine/johnjcarey/

39	Dr Michael Conall Dennedy	Cancer	Imaging	Targetting abnormal steroidogenesis using nanotechnology. A novel approach to adrenal endocrinology.	michael.dennedy@nuigalway.ie
40	Prof Declan Devane	Methodology research		Improving efficiency in design, conduct and reporting of systematic reviews and other evidence syntheses	declan.devane@nuigalway.ie; https://www.nuigalway.ie/our-research/people/nursing-and-midwifery/declandevane/ ; https://evidencesynthesisireland.ie/ ; https://www.hrb-tmrn.ie/ ; https://ireland.cochrane.org/
41	Prof Declan Devane	Methodology research		Improving efficiency in design, conduct and reporting of randomised trials	declan.devane@nuigalway.ie; https://www.nuigalway.ie/our-research/people/nursing-and-midwifery/declandevane/ ; https://evidencesynthesisireland.ie/ ; https://www.hrb-tmrn.ie/ ; https://ireland.cochrane.org/
42	Prof Declan Devane	Informed public		Improving critical thinking to assess claims about the effects of treatments (Informed Health Choices)	declan.devane@nuigalway.ie; https://www.nuigalway.ie/our-research/people/nursing-and-midwifery/declandevane/ ; https://thepeopletrial.ie/ ; https://www.hrb-tmrn.ie/
43	John W (BILL) McEvoy	Preventive Cardiology	Cardiovascu lar Health	A mechanistic randomized trial testing the effect of physical activity on vascular function and metrics of cardiovascular health	johnwilliam.mcevoy@nuigalway.ie; jmcevoy1@jhmi.edu; www.nipc.ie; http://www.nuigalway.ie/medicine-nursing-and-health-sciences/staff-profiles/johnwilliammcevoy/
44	Prof Declan Devane	Informed public		Evaluating the effects of interventions for misinformation and disinformation in cancer	declan.devane@nuigalway.ie; https://www.nuigalway.ie/our-research/people/nursing-and-midwifery/declandevane/ ; https://ihealthfacts.ie/ ; https://thepeopletrial.ie/ ; https://www.hrb-tmrn.ie/
45	John W (BILL) McEvoy	Preventive Cardiology	Cardiovascu lar Health	Air Quality and Cardiovascular Health, deploying a unique attribute of the China-Galway Collaboration	johnwilliam.mcevoy@nuigalway.ie; jmcevoy1@jhmi.edu; www.nipc.ie; http://www.nuigalway.ie/medicine-nursing-and-health-sciences/staff-profiles/johnwilliammcevoy/
46	Dr Barry McDermott	Obstetrics - Postpartum Haemorrhage		Development of a novel low-cost, robust device for prevention and treatment of Post-Partum Haemorrhage in low-resource settings.	barryjames.mcdermott@nuigalway.ie ; https://www.nuigalway.ie/our-research/people/engineering-and-informatics/barryjamesmcdermott/

47	Dr Sinéad Hynes	Neurology/Rehabilitation		Developing a vocational rehabilitation intervention for people with multiple sclerosis	sinead.hynes@nuigalway.ie; http://www.nuigalway.ie/ourresearch/people/health-sciences/sineadhynes/index.html
48	Dr Sinéad Hynes	Dementia		Developing an intervention to support people with dementia and family carers living in the community.	sinead.hynes@nuigalway.ie; http://www.nuigalway.ie/ourresearch/people/health-sciences/sineadhynes/index.html
49	Dr. Daniel O'Toole	Stem Cells	Respiratory Disease	The effects of the inflammatory injury microenvironment on in vivo MSC function.	daniel.otoole@nuigalway.ie; http://www.nuigalway.ie/medicine-nursing-and-health-sciences/staff-profiles/danielotoole/
50	Dr. Daniel O'Toole	Stem Cells	Respiratory Disease	Modifying macrophage polarisation to reduce lung disease.	daniel.otoole@nuigalway.ie; http://www.nuigalway.ie/medicine-nursing-and-health-sciences/staff-profiles/danielotoole/
51	Prof Antony Wheatley Dr Ananya Gupta	Physiology	Cancer	Characterisation of UPR regulated modulators of Tumor Angiogenesis	antony.wheatley@nuigalway.ie; ananya.gupta@nuigalway.ie
52	Dr Michelle Roche	Neuroscience	Physiology	Neurobiological mechanisms underlying altered pain responding in autism	michelle.roche@nuigalway.ie; (https://www.nuigalway.ie/our-research/people/michelleroche/)
53	Dr Róisín Dwyer	Breast Cancer		Mesenchymal Stromal Cells (MSCs) for tumour-targeted treatment of advanced breast cancer	roisin.dwyer@nuigalway.ie; http://www.nuigalway.ie/our-research/people/medicine/roisindwyer/
54	Dr Róisín Dwyer	Breast Cancer		Dynamic 3D in vitro tissue models to study extracellular vesicle (EV) exchange and mechanism of action in breast cancer/lymph node metastases	roisin.dwyer@nuigalway.ie; http://www.nuigalway.ie/our-research/people/medicine/roisindwyer/
55	Dr Róisín Dwyer	Breast Cancer		Impact of stromal-epithelial interactions on lymph node metastasis in breast cancer	roisin.dwyer@nuigalway.ie; http://www.nuigalway.ie/our-research/people/medicine/roisindwyer/
56	Dr. Firas Awaja	Tissue Engineering	Bone	Load bearing adhesive for bone fractures	Firas.awaja@nuigalway.ie
57	Dr. Firas Awaja	Tis-Eng	Bone	Graphene based materials for bone regeneration	Firas.awaja@nuigalway.ie
58	Dr. Firas Awaja	Tis-Eng	Angiogenesis	Graphene based materials for angiogenesis	Firas.awaja@nuigalway.ie