



Research Project Grants 2006

Successful applicants

Grant Holder

Project Title

Population Health, Epidemiology and Mental Health

Dr Shane Allwright
Department of Public Health and Primary Care
Trinity College Dublin

Evaluation of an Alcohol Intervention Programme in a Sporting Setting: A controlled trial

Mr Declan Devane
School of School of Nursing and Midwifery
Trinity College Dublin

Fetal cardiotocography versus intermittent auscultation during labour ward admission: A randomised trial and qualitative follow up. The ADCAR Trial.

Dr Pamela Gallagher
School of Nursing
Dublin City University

Optimising the Prescription of Prosthetic Technologies (OppTec): Outcome Measures for Evidence-based Prosthetic Practice and Use.

Ms Linda Sharp
Department of Research
National Cancer Registry

An all-Ireland pancreatic cancer case-control study: establishing a data and specimen bank for research into diagnosis, aetiology and survival from cancer of the pancreas

Mr Brian Buckley
General Practice
National University of Ireland, Galway

A combined methods study to evaluate public attitudes and consent preferences regarding use of personal information contained in general practice medical records for research and service development

Dr Walter Cullen
School of Medicine and Medical Science
University College Dublin

'Barriers to and enablers of hepatitis C screening and treatment among current or former injecting drug users in Ireland: a qualitative study from two perspectives'

Professor Leslie Daly
School of Public Health and Population Science
University College Dublin

Genetic Determinants of COPD

Professor Chris Stevenson
School of Nursing
Dublin City University

Providing meaningful care: learning from the experiences of suicidal men to inform mental health care services.

Dr Patricia Fitzpatrick
School of UCD School of Public Health and Population Science
University College Dublin

Cardiovascular disease and diabetes mellitus in general practice: an evaluation of the Heartwatch programme of secondary prevention

Professor Ruairi Brugha
Department of Epidemiology and Public Health Medicine
Royal College of Surgeons in Ireland

Recruitment, adaptation and retention of foreign nurses in Ireland

Grant Holder	Project Title
Neurosciences, Clinical Neurology and Mental Health	
Dr Manus Ward Physiology and Medical Physics and RCSI Neuroscience Research Center Royal College of Surgeons in Ireland	Neuronal preconditioning: Is the modulation of mitochondrial function the "key" to neuronal survival in ischemic brain injury?
Professor Marina Lynch Department of Physiology Trinity College Dublin	Do atorvastatin and/or the immunomodulatory molecule, FHA, act as neuroprotective agents in the aged rat brain?
Dr Eilis Dowd Department of Pharmacology National University of Ireland, Galway	Bone marrow mesenchymal stem cells as an alternative source of cells for neuroreparation and/or neuroprotection in Parkinson's disease.
Dr Ann Sheridan School of Nursing, Midwifery and Health Systems University College Dublin	A Randomised Controlled Trial of Supported Socialisation for People with Serious Mental Illness
Dr Gethin McBean School of Biomolecular and Biomedical Science University College Dublin	Calcium fluxes and glutamate transporters in astrocytes and neurones
Dr Marius Ader Department of Genetics Trinity College Dublin	Treatment of retinal degenerations in mouse models of retinitis pigmentosa by transplantation of genetically modified retinal stem cells
Infections, Immunity and Host Defense	
Dr Tim Foster Microbiology Trinity College Dublin	Protein A of Staphylococcus aureus binds Tumour Necrosis Factor Receptor-1 in the Pathogenesis of Pneumonia
Dr John Baugh Medicine and Medical Sciences University College Dublin	Hypoxic Regulation of Airway Epithelial Injury and EMT in Pulmonary Fibrosis
Dr Roy Sleator School of Alimentary Pharmabiotic Centre University College Cork	Patho-biotechnology; using bad bugs to do good things
Dr Steven W. Kerrigan Department of Clinical Pharmacology Royal College of Surgeons in Ireland	Molecular mechanisms of Streptococcus gordonii - platelet interactions in the pathogenesis of endovascular infection
Dr Caroline Jefferies Department of Biochemistry Royal College of Surgeons in Ireland	Investigation into the role of SHIP-1 as a negative regulator of viral immune responses
Dr Cormac Gahan Department of Microbiology & School of Pharmacy University College Cork	Exploitation of in vivo-induced antigen technology (IVIAT) in Clostridium difficile: a rational approach to vaccine development

Grant Holder	Project Title
Dr Liam Fanning Department of Medicine University College Cork	The characterisation and development of in vitro replication models for full-length non-1 HCV genotypes
Professor Seamus Martin Department of Genetics Trinity College Dublin	The role of Inflammatory caspases in the maturation and secretion of the novel Th2-polarizing cytokine, IL-33
Dr Sally-Ann Cryan School of Pharmacy Royal College of Surgeons in Ireland	Particle engineering to target interferon-gamma to alveolar macrophages for the adjunct treatment of multi-drug resistant tuberculosis.
Dr Stephen J Connon Department of Chemistry Trinity College Dublin	Turning the tables on tetracycline resistant bacteria through molecular coercion: from efflux to expiration
Dr Geraldine Butler School of Biomolecular and Biomedical Science University College Dublin	Analysis of quorum sensing in the pathogenic yeast <i>Candida parapsilosis</i>
Dr James O'Gara School of School of Biomolecular and Biomedical Science University College Dublin	Investigating the role of surface proteins in exopolysaccharide-mediated staphylococcal biofilm development
Dr Michael Clarkson Department of Renal Medicine Cork University Hospital	TIM-1 in T Cell Activation and Tolerance
Dr Simon Travers Department of Biology National University of Ireland, Maynooth	Identifying HIV drug targets: a study of the selective constraints and coevolution networks operating within the HIV-1 group M subtypes and circulating recombinant forms.

Molecular and Cellular Medicine

Dr Lorraine O'Driscoll National Institute for Cellular Biotechnology (NICB) Dublin City University	Characterisation of 2 Novel mRNAs Present in Breast Tumours - but not Normal Breast Tissue – with potential as Therapeutic Targets & Diagnostic/Prognostic Biomarkers.
Dr Howard Fearnhead NCBES National University of Ireland, Galway	Identification and characterization of inhibitors of caspase activation and activity
Dr Ciaran Morrison Department of Biochemistry/ NCBES National University of Ireland, Galway	The role of microcephalin in the maintenance of genome stability
Dr Aideen O Doherty Department of Medicine and REMEDI National University of Ireland, Galway	Mesenchymal stem cells as vectors for gene therapy with PON1 and apoA-1
Professor Larry Egan Department of Pharmacology and Therapeutics University College Hospital, Galway	Molecular regulation of the intestinal radiation response

Professor Noel Lowndes Department of Biochemistry National University of Ireland, Galway	Functional dissection of PTIP, a novel regulator of the DNA damage response
Dr Gary Jones Department of Biology National University of Ireland, Maynooth	Effects of mutant Hsp70 species on mammalian prion propagation
Dr Markus Rehm Department of Physiology & Medical Physics Royal College of Surgeons in Ireland	Targeting the Cell Death Resistance of Cervical Cancer Cells: A qualitative and quantitative evaluation of Smac/Smac-like Peptides and Proteasome Inhibitors in the treatment of cancer.
Dr Achim Treumann Department of Clinical Pharmacology Royal College of Surgeons in Ireland	Cytoskeletal dynamics of platelet activation - a proteomic approach
Dr James O'Donnell Department of Haematology St James's Hospital	Significance of the N- and O-linked glycans of the Von Willebrands factor in determining functional activity
Dr Kieran Sheahan Department of Pathology St Vincent's University Hospital	Molecular characterisation of familial colorectal cancers
Dr Yuri Volkov Department of Clinical Medicine Trinity College Dublin	Mechanisms of nuclear targeting of nanoparticles in human cells
Dr Andrew Bowie School of Biochemistry and Immunology Trinity College Dublin	Modulation of innate immune signalling pathways by the poxvirus protein E3L
Dr Sinead Miggin Department of Biology National University of Ireland, Maynooth	Role of Mal cleavage in TLR 1/2 and 2/6 signalling
Dr Arpad Palfi Department of Genetics Trinity College Dublin	Regulatory role of miRNAs in retinitis pigmentosa models
Dr Aiden Corvin Department of Psychiatry St James's Hospital	Dysbindin and the BLOC-1 protein complex: investigation of a biological pathway to schizophrenia susceptibility
Dr Richard Anney Department of Psychiatry Trinity College Dublin	Functional significance of common genetic diversity: the role of common haplotypes on the expression of genes associated with ADHD
Dr John Fleming Department of Biochemistry University College Cork	Human Ubc6 and Ubc7 in mammalian ERAD
Dr Margaret Mc Gee School of Biomolecular and Biomedical Science University College Dublin	The role of peptidyl-prolyl isomerases in tumourigenesis
Dr Ann Hopkins School of Medicine and Medical Science University College Dublin	Elucidating the role of lipid rafts in regulating epithelial cell-cell adhesion and barrier function

Dr Amanda McCann
School of School of Medicine and Medical Science in
the College of Life Sciences
University College Dublin

De novo Taxol resistance attributable to alterations in
two key mitotic checkpoint proteins BRCA1 and MAD2.

Dr William Gallagher
School of Biomolecular and Biomedical Science
University College Dublin

Genetic and Epigenetic Influences on the Progression
of Malignant Melanoma

Dr Patricia Maguire
School of Medicine & Medical Science
University College Dublin

The effects of hypercholesterolemia and statin therapy
on platelet membrane microdomains

Dr Lorraine Brennan
School of Biomolecular and Biomedical Science
University College Dublin

Metabolic profiling of epilepsy

Dr Brendan Kennedy Biomolecular & Biomedical
Sciences
University College Dublin

CRALBP function in vision and circadian rhythms

Physiological Systems and Pharmacology

Professor Noel McHale
Smooth Muscle Research Centre
Dundalk Institute of Technology

Role of Reverse Sodium/Calcium Exchange in
Modulation of Calcium Oscillations in Interstitial Cells
of the Rabbit Urethra

Dr Sinead Weldon
Department of Medicine (Respiratory Research)
Royal College of Surgeons in Ireland

Evaluation of the role of WAP proteins, WAP1 and
eppin, in chronic infective lung disease

Professor Jochen Prehn
Department of Physiology and Medical Physics
Royal College of Surgeons in Ireland

Physiology and biological significance of plasma
membrane potential depolarisation during ischemia-
induced apoptosis

Dr Richard Costello
Department of Medicine
Royal College of Surgeons in Ireland

Mechanism of action of eosinophil proteins

Professor John Feely
Pharmacology and Therapeutics
Trinity College Dublin

Contribution of advanced glycation end products to
ventriculo-vascular dysfunction in hypertension and
coronary heart disease

Dr Andrew Harkin
School of School of Pharmacy and Pharmaceutical
Sciences and Trinity College Institute of
Neuroscience Trinity College Dublin

Caffeine exacerbates the acute toxicity of 3,4
methylenedioxyamphetamine (MDMA;
"Ecstasy"): A role for dopamine?

Dr Gordon Reid
Department of Physiology
University College Cork

Molecular mechanisms of cold-induced pain

Dr Declan Soden
Department of Cork Cancer Research Centre
University College Cork

Application of Electroporation to Internal Tumours

Professor Kevin Cashman
School of Food and Nutritional Sciences, and
Medicine
University College Cork

The effect of vitamin K supplementation on bone
health indices in adult Crohn's disease patients

Professor Paul McLoughlin
School of Medicine and Medical Sciences
University College Dublin

Role of gremlin in the pathogenesis of chronic
hypoxic lung diseases

Dr Kathy O'Boyle
School of Biomolecular and Biomedical Science
University College Dublin

MDMA and caffeine: a lethal combination

Dr Ken O'Halloran
School of Medicine and Medical Science
University College Dublin

Upper airway function across the age spectrum in a
rodent model of sleep-disordered breathing

Dr Peter Smyth
UCD School of Medicine and Medical Science
University College Dublin

Placental Control of Iodide Transport

Professor B. Therese Kinsella
School of Biomolecular & Biomedical Science
University College Dublin

Functional characterization of the human prostacyclin
receptor gene.