



## General Research Project Grants 2007

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Grant Holder	Project Title
Dr Tim Foster Professor of Molecular Microbiology Dept of Microbiology Trinity College Dublin	Protein Sbi of Staphylococcus aureus
Dr Aileen Houston Dept of Medicine University College Cork	Fas ligand (FasL/CD95L) expression and tumour immune evasion: elucidation of role played by prostaglandin E2
Prof Tom Cotter Chair of Biochemistry Dept of Biochemistry University College Cork	Redox regulation of beta-catenin signaling in Chronic Myelocytic Leukemia's resistance to apoptosis.
Dr Chunlong Huang Research Fellow Dept of Physiology University College Cork	The Neural Control Of The Kidney In Obesity- Role Of Neuropeptides
Dr Ken O'Halloran Senior Lecturer School of Medicine & Medical Science University College Dublin	Plasticity in respiratory control in an animal model of sleep-disordered breathing
Prof Andrew Murphy Professor of General Practice Dept of General Practice National University of Ireland, Galway	Antibiotic prescribing and bacteriuria caused by trimethoprim and quinolone resistant bacteria in the community: a multilevel study with prospective patient and retrospective practice data
Dr David Henshall Senior Lecturer in Molecular Physiology & Neuroscience Dept of Physiology & Medical Physics Royal College of Surgeons in Ireland	A new paediatric model to investigate the pathogenesis of mesial temporal lobe epilepsy following seizures in the developing brain
Dr Daniela Zisterer Lecturer in Biochemistry School of Biochemistry & Immunology Trinity College Dublin	Synthesis and biological evaluation of novel combretastatin analogues
Dr Derek Walsh SFI Principal Investigator School of Biotechnology Dublin City University	Poxvirus interactions with the host protein synthesis machinery

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<p>Dr Thomas Ritter Lecturer in Medicine (Gene Therapy) Department of Medicine National University of Ireland, Galway</p>	<p>Overcoming the immune system: Mesenchymal stem cells as an immunosuppressive agent in transplantation</p>
<p>Dr Anne McGettrick Senior Post-Doctoral Fellow School of Biochemistry &amp; Immunology Trinity College Dublin</p>	<p>Regulation of the activation of PKC epsilon and TRAM upon LPS stimulation</p>
<p>Dr Jacqueline Daly Lecturer in Biology/Molecular Medicine Department of Anatomy Royal College of Surgeons in Ireland</p>	<p>Identification of novel biomarkers in osteoporosis - Defusing the osteoporosis time bomb</p>
<p>Dr Mark Tangney Principal Investigator Novel Therapeutics Group University College Cork</p>	<p>Bifidobacteria mediated cancer gene therapy</p>
<p>Dr Kumlesh Dev Department of Anatomy University College Cork</p>	<p>Identification of novel PAEL receptor interacting proteins: insights into neurodegeneration</p>
<p>Dr Anne Moore Lecturer in Pharmacology School of Pharmacy University College Cork</p>	<p>Vaccine-induced Protective T Cell Responses to Heterosubtypic Influenza Challenge</p>
<p>Dr Deirdre Hurley School of Physiotherapy &amp; Performance Science University College Dublin</p>	<p>A single-blinded randomised controlled trial exploring the effectiveness of a walking programme and a supervised general exercise programme versus usual physiotherapy for chronic low back pain (CLBP)</p>
<p>Dr Orla Hardiman Consultant Neurologist &amp; Director of Neurology Dept of Neurology Beaumont Hospital</p>	<p>A genome wide association study of genetic risk for Amyotrophic Lateral Sclerosis</p>
<p>Dr Leonie Young Senior Lecturer, Leader of Surgical Research Dept of Surgery Royal College of Surgeons in Ireland</p>	<p>The role of HSP70 modulation of SRC-1 activity in endocrine resistant breast cancer</p>
<p>Dr James Jones Senior Lecturer in Physiology School of Medicine &amp; Medical Science University College Dublin</p>	<p>The mechanism of action of sacral root stimulation in an animal model of neuropathic faecal incontinence</p>

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<p>Dr Molly Byrne Department of Psychology National University of Ireland, Galway</p>	<p>A study of sexual function assessment and counselling for people with coronary heart disease in Ireland: current practice, needs assessment and best practice guideline development</p>
<p>Dr Siobhán McMahon Lecturer in Anatomy Department of Anatomy National University of Ireland, Galway</p>	<p>Regeneration of injured spinal cord neurons through implantable polymer bridges using a combined approach of neurotrophic support and glial scar inhibition</p>
<p>Dr Gabrielle McKee Director of Undergraduate Programmes School of Nursing and Midwifery Trinity College Dublin</p>	<p>The Effectiveness of a Structured Educational Intervention on the Length of Pre-Hospital Delay in Patients at Risk of Acute Coronary Syndrome: A Randomised Control Trial</p>
<p>Prof. Timothy O'Brien Professor of Medicine Dept of Medicine University College Hospital, Galway</p>	<p>Genetic engineering of vein grafts to prevent restenosis</p>
<p>Dr Evelyn Murphy Senior Lecturer Dept of Veterinary Medicine University College Dublin</p>	<p>Effects of CRH receptor antagonism to reduce vascular permeability and cartilage degradation in human inflammatory joint disease</p>
<p>Prof Deirdre Murphy Professor of Obstetrics &amp; Gynaecology School of Obstetrics and Gynaecology Trinity College Dublin</p>	<p>A multi-centre randomised controlled trial of oxytocin 5 IU bolus and placebo infusion versus oxytocin 5 IU bolus and 40 IU infusion for the control of blood loss at elective caesarean section</p>
<p>Prof Michael Kerin Professor of Surgery Dept of Surgery National University of Ireland, Galway</p>	<p>Analysis of gene expression and microRNA profiles in breast cancer development and progression</p>
<p>Dr Fergal O'Brien Dept of Anatomy Royal College of Surgeons in Ireland</p>	<p>Bone tissue mineralization during osteoporosis</p>
<p>Dr Eadbhard O'Callaghan Consultant Psychiatrist Dept of Adult Psychiatry Cluain Mhuire Service (St John of God Hospital)</p>	<p>Course and Outcome of Psychosis at 12 Years</p>
<p>Dr Roisin Dwyer Postdoctoral Research Fellow Department of Surgery National University of Ireland, Galway</p>	<p>Investigation of the potential of human Mesenchymal Stem Cells (hMSC) as vectors for therapeutic gene delivery to breast tumours</p>

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<p>Dr David Keegan            Consultant Ophthalmologist            Institute of Ophthalmology            Mater Misericordiae Hospital</p>	<p>Mechanisms of early cell loss in retinal transplantation</p>
<p>Dr Kevin Mitchell            Dept of Genetics            Trinity College Dublin</p>	<p>Semaphorin and plexin genes in the etiology of epilepsy</p>
<p>Dr Jana Haase            School of Biomolecular &amp; Biomedical Science            University College Dublin</p>	<p>Serotonin transporter mediated protein interactions in blood platelets - characterisation of dynamic changes during platelet activation</p>
<p>Prof Mark Lawler            Assoc Prof in Experimental Haematology Oncology            Dept of Molecular Medicine            St. James's Hospital</p>	<p>Investigation of the role of class switch recombination and aberrant DNA repair in the pathogenesis of Multiple Myeloma</p>
<p>Dr Mary Rose Sweeney            Project Director            School of Public Health &amp; Population Science            University College Dublin</p>	<p>Prospective study of unmetabolised folic acid in serum of an elderly population group pre and post folic acid fortification</p>
<p>Prof Jack James            Dept of Psychology            National University of Ireland, Galway</p>	<p>Experimental and Cross-sectional Analyses of Sleep Duration and Negative Mood (Anger/Hostility) on Blood Pressure Reactivity and Hemodynamic Profile in Young, Working, and Older Adults</p>
<p>Ms Linda Foley            Director Cystic Fibrosis Registry            School of Public Health and Population Science            University College Dublin</p>	<p>Cystic Fibrosis in Ireland: 1986-2006, Epidemiological, health services research and comparative policy analysis</p>
<p>Prof Desmond Higgins            Professor of Bioinformatics            University College Dublin</p>	<p>Identification and functional interrogation of Gene Regulatory Pathways in Breast Cancer Progression</p>
<p>Prof Niamh Moran            Associate Professor            Dept of Molecular &amp; Cellular Therapeutics            Royal College of Surgeons in Ireland</p>	<p>Molecular Choreography Of Integrin Activation In The Platelet</p>
<p>Dr Alice Stanton            Senior Lecturer            Dept of Molecular &amp; Cellular Therapeutics            Royal College of Surgeons in Ireland</p>	<p>High-Resolution Whole-Genome Association Study of Carotid Atherosclerosis and Cardiovascular Events</p>

Grant Holder	Project Title
Prof Cliona O'Farrelly Director, Research Laboratories Education & Research Centre, St. Vincent's University Hospital	Suppressor Of Cytokine Signalling (SOCS) Protein Involvement In Chronic Hepatitis C Virus (HCV) Infection and Failure to Respond to Interferon Alpha Therapy
Dr Dairin Kieran Lecturer in Physiology Dept of Physiology & Medical Physics Royal College of Surgeons in Ireland	The role of stress responses and BH3-only proteins in disease progression in ALS mice
Dr Fergal O'Gara Head, Microbiology Dept Dept of Microbiology University College Cork	The Role of Subinhibitory Concentrations of Colistin in Biofilm development
Dr Christine Costello Senior Post-doctoral Investigator School of Medicine & Medical Science University College Dublin	Characterisation of the role of the CXCL12/CXCR7/CXCR4 biological axis in hypoxia mediated angiogenesis in the adult lung
Dr Noel Woods Dept of Oral Health & Development University College Cork	Provider remunerations systems and their impact on treatment provision and responsiveness to oral health needs
Dr Helen Whelton Senior Lecturer Dept of Oral Health & Development University College Cork	The use of Equilibrium Salivary Fluoride Levels to Measure Compliance with Advocated Frequency of Toothbrushing
Dr Kenneth McDonald Consultant Cardiologist Department of Cardiology St. Vincent's University Hospital	The Role of Myocardial Fibrosis in the Development and Pathogenesis of Diastolic Heart Failure
Dr Maria Byrne Consultant Endocrinologist Dept of Medicine/ Endocrinology Mater Misericordiae Hospital	Investigating the role of p70 S6 Kinase and mTOR signaling in the regulation of beta cell mass in MODY3
Dr Kathleen Curran School of Medicine & Medical Science University College Dublin	Quantitative Measurements of Regional Bone Turnover with 18F-Fluoride Positron Emission Tomography