



Summer Student Grants 2006

Grant Holder	Project Title
Mr John Moriarty Dept of Psychology National University of Ireland Galway	A randomised controlled trial of a distraction intervention to reduce anxiety in patients undergoing flexible sigmoidoscopy
Mr Seán King National University of Ireland Galway	Role of Heme Oxygenase in the Vasculoprotective Effect of Endothelial Nitric Oxide Synthase Gene Transfer
Ms Maria Farrell Dept of Psychology National University of Ireland Galway	Effects of dietary caffeine and sleep deprivation on EEG activity, performance and mood
Ms Claudia Roskopf University College Limerick	Are the SXT/R391 elements found in new epidemic Vibrio cholera strains a class of mobile 'fitness islands'?
Ms Niamh Mc Mahon University College Limerick	An analysis of the hygiene hypothesis as the cause of increased asthma in the western population
Mr Jason Leong University College Dublin	Evaluation of autofluorescence in mouse tissues following different histological processing schedules
Ms Geok Ping Yeo University College Dublin	Examining the mechanisms of HIC-mediated cytoplasmic sequestration of HIV-1 Tat using an in vitro nuclear import assay
Mr Daniel Yu University College Dublin	Migratory characteristics of cancer cells from in situ versus invasive tumours
Mr Robert Barry School of Medicine & Medical Science University College Dublin	The role of protein kinase B in kidney cell hypoxia during diabetic nephropathy
Mr Padraig Bambrick Royal College of Surgeons in Ireland	Prevention of Respiratory Epithelial Cell Activation by Secretory Leucoprotease Inhibitor

Grant Holder	Project Title
Mr Boon Kwai Goh University College Dublin	Central Venous Cannulation: Assessment of complication rates, working practice and personnel experience at a major Dublin teaching hospital
Ms Ai Jun Ong University College Dublin	The effects of elevated potassium on rat upper airway muscle contractile function
Ms Mei Ling Look University College Dublin	Comprehensive characterization of the platelet releasate over extended time points of platelets activation
Ms Shirley Lee University College Dublin	Regulation of Quorum Sensing Genes in Pseudomonas Aeruginosa
Ms Yie Roei Chee Dept Pharmacology & Therapeutics St James's Hospital	The gender differences in blood pressure and arterial stiffness and the age-related arterial changes in both genders
Ms Stephanie Cremen Diagnostic Imaging University College Dublin	Diagnostic Radiographers Knowledge of Child Protection
Ms Cuisle O'Donovan Trinity College Dublin	The Effects of an Ergonomic Intervention Programme on the Computer-Related Posture and Discomfort of Primary School Children
Ms Susan Cunningham National University of Ireland, Galway	The effects of Nanor knockdown on the expression of genes involved in cardiac valve formation
Mr Hardeep Hundal Royal College of Surgeons in Ireland	Tissue-engineered Bone
Ms Sasha Jairam Royal College of Surgeons in Ireland	Difficulties in assessing health entitlements: The medical card application and removal System
Mr Benjamin Wei-Wang Tan University College Dublin	Using Tissue Microarray Technology to Investigate Malignant Melanoma
Ms Carmel Ni Churrain University College Cork	Investigation of contribution of Computed Tomography to radiation dose in patients with Crohn's Disease

Grant Holder	Project Title
Ms Kathryn Oliver University College Dublin	Dissecting the molecular mechanisms of signal transduction following bacterial induced platelet activation
Mr Liam Ryan University of Limerick	Drug targeting via site-specific release – evolution of a mammalian dipeptidase for use in cancer chemotherapy
Ms Mei Ling Tan University College Dublin	Smoking prevalence in Hospital In-patients: An assessment of trends over time, with particular reference to the 2005 legislation
Ms Brenda Molloy Trinity College Dublin	Does interaction of CD200 ligand with its receptor CD200R maintain microglia in a quiescent state?
Ms Ciara O'Riordan Dept General Practice National University of Ireland Galway	Research Needs Analysis of Primary Health Care Professionals in the HSE Western Region
Ms Cheen Werne Ng School of Public Health & Population Sciences University College Dublin	Estrogens for preventing recurrent urinary tract infections in postmenopausal women. A Cochrane Systematic Review
Ms Silvia Taddei Royal College of Surgeons in Ireland	Phospholipases and the rapid activation of Protein Kinase D in oestrogen treated breast cancer cells
Mr Thomas Anthony Costello School of Nursing Dublin City University	Investigation of nurses' knowledge of oral care of dependent patients from medical and surgical wards
Mr Luke McGuigan Dept of Applied Science Adelaide and Meath Hospital	Investigation of lipopolysaccharide (LPS) from an important CF pathogen
Ms Yasmeen Ghnewa Trinity College Dublin	Can Excretory/Secretory (ES) products from Liver Fluke prevent Dextran Sulphate Sodium (DSS)-induced colitis in Mice?
Ms Katrina Heng Royal College of Surgeons in Ireland	Investigation of the gene expression of DISC-1/Dysbindin-1 susceptibility genes and their protein partners in schizophrenia and bipolar disorder
Ms Holly Green St James's Hospital	Investigation of genes controlling pre-synaptic glutamate transmission in schizophrenia

Grant Holder	Project Title
Mr Kieran McCarthy Dept of Radiology University College Hospital Galway	Water Soluble Contrast Medium Induced Nephrotoxicity
Mr Alan Sugrue Dept of Anatomy National University of Ireland Galway	Morphological Studies on tumour-derived Fibroblasts
Ms Orla Moriarty National University of Ireland Galway	Establishing an animal model of distraction- induced analgesia
Ms Lisa Waldron School of Physiotherapy Royal College of Surgeons in Ireland	A Follow Up Study to Evaluate the Efficacy of Open and Closed Chain Quadriceps Strengthening Programmes in Osteoarthritis of the Knee
Ms Lauren Keane Dept of Physiotherapy University of Limerick	Head restraint position: reliability of measurement and driver knowledge
Mr Robert Kowalski University College Cork	Comparison of cerebral entropy monitoring with electroencephalography in assessing depth of anaesthesia and sleep activity
Ms Sara Anvari St James's Hospital	Does caloric restriction of <i>Caenorhabditis elegans</i> induce resistance to <i>Pseudomonas aeruginosa</i> ?
Ms Louise Crowley University of Limerick	Barriers to Exercise in Rheumatoid Arthritis – A Focus Group Study
Ms Maria Garrett University of Limerick	Barriers to exercise participation and compliance experienced by people with Multiple Sclerosis in Ireland
Ms Claire Kelly National University of Ireland Maynooth	An investigation of B cell memory against the matrix protein from human metapneumovirus
Mr David O'Connell Royal College of Surgeons in Ireland	Sharing control: A Study of user involvement in Methadone Maintenance in Primary Care

Grant Holder	Project Title
Ms Sarah Gubbins Dept of Psychiatry St James's Hospital	'Depression and Identity: what views do people with depression have towards their illness in terms of: treatment, prognosis, etiology, locus of control, stigma and impact on identity development?'
Ms Catriona O'Connell University College Cork	Evaluation of Virtual Reality Technology as an Occupational Therapy Treatment Tool in Spinal Cord Injury Rehabilitation
Mr Pathmadevan Rathnam University College Dublin	Accurate alcohol consumption history and its relationship to Mean Corpuscular volume (MCV) and Gamma glutamyl transferase (GGT) in a hospital population
Ms Emer McCarthy Paediatrics Dept National University of Ireland Galway	Review of Antimicrobial Resistance in Urinary Isolates of Escherichia coli from Paediatricaged Patients over a 48-month period
Ms Catherine Dolan Dept of Medicine University College Hospital Galway	The Cost of Diabetic foot disease in Galway: a preliminary exploration using case studies and interview methodology
Ms Marie Browne National University of Ireland Galway	Deciphering the molecular mechanisms underlying actin rearrangement in diabetic nephropathy
Ms Sek Wan University College Dublin	Testing of novel bovine antimicrobial peptides against a panel of bacterial pathogens
Ms Yumi Nonomura Dept of Biochemistry National University of Ireland Galway	Screen for novel splice variants of the Telomere Repeating binding Factor 1 gene
Ms Kate Harrington Dept of Surgery University College Hospital Galway	Potential of SDF-1 alpha/CXCR4 as predictive markers or therapeutic targets in invasive breast cancer
Mr Mark Harmon Trinity College Dublin	Barrett's Oesophagus and oesophageal adenocarcinoma: Assessing the risk
Ms Lisa Mulvihill Trinity College Dublin	The application of the "Handwriting Without Tears" (HWT) programme with children with Down's Syndrome

Grant Holder	Project Title
Ms Caroline Bolger University College Dublin	'An investigation into the effects of a 30-minute walk on cognitive functioning among sedentary adults'
Ms Seher Al-Heseny University College Dublin	Effect of early exposure to endocrine disrupting chemicals on reproductive and cognitive behaviour
Mr John O'Toole Trinity College Dublin	Medical Student Ethics: Theory and Practice
Ms Ella Mc Cabe Trinity College Dublin	Treatment response to an inpatient dual diagnosis unit
Ms Sahar Rahmani Dept of Biochemistry National University of Ireland Galway	Evaluation of the Tumour Cell killing effects of TRAIL
Ms Margit Mueller National University of Ireland Galway	Regulation of Replication Protein A in Human Cancer Cells
Ms Sorca O'Brien University College Dublin	To identify the cellular sources of gremlin in the chronically hypoxic lung using immunofluorescent techniques
Mr Rory Whelan University College Dublin	Phytoestrogens in the Treatment of postmenopausal Osteoporosis - A Cochrane Systematic Review
Ms Petra Grehan School of Physiotherapy & Performance Science University College Dublin	Physical activity levels in Dublin children with Down syndrome
Mr Gareth O'Reilly Queen's University Belfast	Variations in mortality and morbidity between urban and rural communities in Northern Ireland
Ms Yvonne O'Callaghan Adelaide and Meath Hospital	Comprehensive evaluation and analysis of GP open access cardiac investigation
Mr Grainne O'Kane Adelaide and Meath Hospital	Alpha 1 antitrypsin levels and phenotyping in asymptomatic patients with abnormal Liver function tests