



Summer Students 2004

Student	Project Title	Project Supervisor
Mr Ashwin Kaniah	Inhibition of the cell cycle regulator 14-3-3 α by anti-sense RNA in breast cancer cells	Dr Hazel Welch Department of Human Anatomy and Physiology University College Dublin
Ms Maria Pertl	Comparison of performance on the Mini Mental State Examination (MMSE) and on a battery of standardized cognitive tasks in acquired aphasia following left cortical stroke	Dr Robert Coen Mercers Institute for Research on Ageing St James's Hospital
Mr Fergal Martin	Adaptive evolution in the human genome	Dr James Mc Inerney Bioinformatics Laboratory National University of Ireland, Maynooth
Mr Vikrum Malhotra	The effects of cyclooxygenase 2 on cell proliferation in colorectal cancer	Professor Desmond Fitzgerald Department of Clinical Pharmacology Royal College of Surgeons in Ireland
Ms Lorna Stanley	The management of crisis pregnancy within general practice	Professor Colin Bradley Department of General Practice University College Cork
Ms Anne Bartels	Categorisation of twin pregnancy at UCHG from 1 January 1991 to 31 December 2003	Dr Gabriel Mortimer Department of Histopathology University College Hospital Galway
Mr Brian Hayes	A custom designated electronic database for real time collection of information during cardiopulmonary resuscitation	Mr John Ryan Emergency Department St Vincent's Hospital
Ms Roisin McGowan	The characterisation of enhanced life maintenance genes in the nematode <i>Caenorhabditis elegans</i>	Professor Anna Burnell Genetics Laboratory Department of Biology National University of Ireland, Maynooth

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Ms Penny Chai	The effects of ethanol on neurodevelopment: Antagonism with 1-Octanol	Dr Seamus Giles Department of Human Anatomy and Physiology University College Dublin
Mr Robert Moran	The role of PKB/Akt activation in cell culture models of tubulointerstitial fibrosis: relevance for diabetic nephropathy	Dr Derek P Brazil Conway Institute University College Dublin
Mr Ronan O'Leary	A characterisation of HMGB1 expression in normal and inflamed human colon	Mr J Calvin Coffey Department of Academic Surgery Cork University Hospital
Ms Rachel Duignan	Magnetic resonance spectroscopy in the management of prostate cancer	Professor Peter Mc Carthy Department of Radiology University College Hospital Galway
Ms Orla Dunlea	Resective surgery for epilepsy in the Irish population between 1988 and 2002 - outcome, long-term follow-up and the impact of MRI and surgical technique on outcome	Professor Colin Doherty Department of Clinical Neurological Science Beaumont Hospital
Ms Yvonne Corrigan	Optimisation of paediatric radiological examinations	Dr Mark Entee School of Diagnostic Imaging University College Dublin
Ms Emer O'Leary	To investigate the prevalence and severity of root dentine sensitivity before and one month after non surgical peridontal therapy	Dr Edith Allen Department of Restorative Dentistry Cork Dental Hospital
Ms Eng Keong Tan	Immunohistochemical colocalisation of Histamine H3 Receptors with the neuroplastic marker NCAM PSA in the hippocampal formation of naive and H3 antagonist-treated animals	Professor Ciaran Regan Department of Pharmacology University College Dublin
Mr Erik Pearson	Characterization of neural apoptic pathways as a result of Obstructive Sleep Apnea	Professor J Prehn Royal College of Surgeons in Ireland
Ms Sandra Malynn	Modulation of dendritic cell activation by adenylate cyclase toxin from Bordetella pertussis	Professor Kingston Mills Department of Biochemistry Trinity College Dublin

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Ms Liza-Jane Pringle	Distribution of haemoglobin in the early chick area vasculosa	Dr Jason Last Department of Human Anatomy and Physiology University College Dublin
Ms Zeenat Bibi Nawoor	Iodine studies in pregnancy	Professor Colm O'Herlihy Department of Obstetrics and Gynaecology National Maternity Hospital
Mr Conor Lahiff	Role of telomeres and telomerase in colorectal cancer	Professor Diarmuid O'Donoghue Department of Gastroenterology St Vincent's University Hospital
Ms Lisa Creed	An examination of how diabetes is managed across the social spectrum	Dr Cara Usher Department of Pharmacology and Therapeutics St James's Hospital
Ms Chiu See Hee	Investigation of the upregulation of the early growth response gene family by neutrophils	Dr Clare O'Connor The Conway Institute University College Dublin
Mr Eadaoin Griffin	An investigation of levels of circulating growth factors after acute and chronic exercise in humans	Dr Aine Kelly Department of Physiology Trinity College Dublin
Ms Joy Jimmy Etom	Screening of candidate genes for Kjellin Syndrome a rare form of hereditary spastic Paraplegia in two Irish families	Professor Nollaig Parfrey Department of Pathology Cork University Hospital
Ms Maria Twomeny	Screening of candidate genes for Restless Legs Syndrome in a newly identified locus	Dr Collette Hand Department of Pathology Cork University Hospital
Ms Aoife Jackson	Evaluation of touch imprint technology on sentinel lymph node biopsies	Mr Butt Department of Surgery University College Hospital Galway
Mr Eamonn O'Raghallaigh	Modulation by p-methoxymethamphetamine (PMMA) of in vitro neuronal and vascular responses to 5-hydroxytryptamine and noradrenaline	Professor Alan Keenan The Conway Institute University College Dublin

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Ms Amy O'Higgins	Synthesis of a novel class of dinuclear platinum, dinuclear ruthenium and hetrodinuclear platinum/ruthenium compounds as potential anti-cancer agents	Dr CJ Marmion Department of Pharmaceutical and Medicinal Chemistry Royal College of Surgeons in Ireland
Ms Gaiatri Sadadcharam	Establishment of an electronic database for coroners, with an emphasis on the extraction of alcohol level data in relation to fatal road traffic accidents	Ms Cliona McGovern Department of Forensic Medicine University College Dublin
Ms Yvonne McCarthy	Analysis of the synergism between age and exogenously-administered IL-1B	Professor Marina Lynch Department of Physiology Trinity College Dublin
Mr Tomas O'Neill	Breast cancer in the south East: An analysis of it's presentation and management	Dr P Fitzpatrick Department of Public Health Medicine and Epidemiology University College Dublin
Ms Rachel Eckel	MUNC 18 0 syntaxin and exocytosis in T lymphocytes	Dr Thomas Farrell Department of Anatomy Royal College of Surgeons in Ireland
Mr Stephen Chu	Investigation of axonal density in dorsolateral prefrontal cortex and white matter in schizophrenia and bipolar disorder	Dr David Cotter Department of Psychiatry Beaumont Hospital
Ms Sinead O'Donoghue	Evaluation of impact of smoking cessation service and the recent anti-smoking legislation. A hospital cross-sectional study of patient smoking status and chart documentation	Professor Leslie Daly Department of Public Health Medicine and Epidemiology University College Dublin
Mr Brendan MacIntosh	Correlation of novel tumour markers with breast cancer prognosis	Dr William M Gallagher The Conway Institute University College Dublin
Ms Naoimi Smith	Characterisation and validation of a new monoamine oxidase assay	DR Gavin Davey Department of Biochemistry Trinity College Dublin

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Ms Aileen Shaw	The impact of Latissimus Dorsi mini flap reconstruction on the shoulder movement and quality of life in breast cancer patients undergoing breast conservation therapy	Dr Ulrick Mc Carthy Persson School of Physiotherapy University College Dublin
Ms Sinead Kelly-Keating	Impact on smoking cessation since the implementation of the smoking ban legislation	Professor Tom O'Dowd Department of Public Health and Primary Care Adelaide and Meath Hospital
Ms Euridicky Fera	Matrix metalloproteinase (MMP) activity in the thrombus of ruptured and non-ruptured abdominal aortic aneurysms	Dr Mary Barry St Vincent's Hospital
Ms Elma O'Reilly	An investigation of novel roles for G1-phase cyclins and cyclin-dependent kinases in neuroblastoma invasiveness	Dr Helen Gallagher The Conway Institute University College Dublin