



## Summer Students 2002

Student	Project Title	Project Supervisor
Ms Alaa Al Akkari	Investigation of the regulation of leukocyte production of alpha-1-antitrypsin by inflammatory cytokines	Dr Clare O'Connor Department of Medicine & Therapeutics The Conway Institute
Ms Sharon Boyle	Determination of glutathione s-transferase expression in <i>Aspergillus Fumigatus</i>	Dr Sean Doyle Department of Biology National University of Ireland, Maynooth Maynooth
Ms Aine Burke	Association between iron stores and mutations in the HFE gene in Hereditary Haemochromatosis	Dr John Lee Hepatology Unit / Dept Medicine University College Hospital Galway
Ms Aileen Byrne	Effects of the vascular endothelial growth factor family and endostatin on blood retinal barrier function	Dr Brenda Brankin Department of Biochemistry University College Dublin Merville House
Ms Aoife Canney	To study the effect of adeno-viral mediated gene transfer of eNOS on endothelial cell migration in the presence of high glucose	Professor T O'Brien  Department of Medicine Clinical Science Institute
Ms Rachael Clarke	Does interleukin-1b induce apoptotic cell death in the rat hippocampus?	Professor Marina Lynch Department of Physiology Trinity College Dublin 2
Mr Seamus Coyle	The role of Ca <sup>++</sup> during thapsigargin induced cell death in cardiomyocytes	Dr Afshin Samali Department of Biochemistry National University of Ireland, Galway Galway
Ms Eileen Crowley	Mapping the gene for autosomal dominant restless legs syndrome	Dr Colette Hand UCC Department of Pathology Clinical Investigations Unit Cork University Hospital

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Ms Margaret Doherty	A computational biology based strategy to identify novel genes whose expression is altered in Rheumatoid Arthritis In Vitro	Dr Peter Doran Human Genomics and Bioinformatics Research Unit Department of Medicine and Therapeutics UCD/Mater Misericordiae Hospital
Mr Adam Dowling	Design and manufacture of a device to identify correct orientation for knee ankle foot orthotic devices	Dr Nicholas Dunne Mechanical Engineering Department Henry Gratton Building Glasnevin
Ms Mary Anne Geraghty	Investigation of the association between coeliac disease and Sjogren's syndrome	Professor Con Feighery TCD/St Jame's Hospital Dublin 8
Ms Lisa Jane Gillespie	Development and biological evaluation of 1,8-Naphthalimide conjugates as anticancer agents	Dr Thorfinnur Gunnlaugsson Department of Chemistry Trinity College Dublin 2
Ms Rebecca Haworth	Investigation of the immune response to a neurotrophins-expressing cell line in a rat model of Parkinson's disease	Dr Aideen Sullivan Department of Anatomy University College Cork College Road
Ms Muireann Irish	Exploration of the effect of auditory stimulation on autobiographical recall in the elderly	Dr Robert Coen Mercer's Institute for Research on Ageing St James's Hospital Dublin 8
Mr James Jackson	A study to discover what 'Environmental Control Unit ' (ECU) users consider to be the strengths and weaknesses of current systems and associated services	Dr Joan Branagan School of Occupation Therapy Rochestown Avenue Dun Laoghaire
Ms Yvonne Kelly	Hepatitis C among drug users on methadone maintenance in general practice	Professor Gerard Bury UCD Department of General Practice Coombe Health Care Centre Dublin 8
Ms Regina Kenny	Factors affecting clinical succes of distal extension removable partial dentures	Dr CD Lynch Department of Restorative Dentistry University Dental School and Hospital Wilton

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Ms Catriona Mary Long	Analysis of radial glial cell proliferation in the spinal cord	Dr Kieran McDermott Department of Anatomy University College Cork Cork
Mr Michael McCarthy	Basic molecular evaluation of novel metastatic tumour cells	Professor Gerald O'Sullivan Cork Cancer Research Centre University College Cork Cork
Ms Maria McDermott	A comparative study of the pharmacokinetics of methotrexate absorption between patients who respond to oral methotrexate versus those who respond to intramuscular methotrexate	Professor Oliver Fitzgerlad Department of Rheumatology St Vincent's University Hospital Elm Park
Ms Roisin McDonagh	The expression of COX-2 in human prostate cancer. Correlation with known prognostic indicators	Dr David Quinlan Department of Urology St Vincent's University Hospital Elm Park
Ms Fiona McKenna	Cholinesterase inhibitors and Alzheimer's disease, experiences of an Irish memory clinic	Dr Conal Cunningham Robert Mayne Day Hospital St. James's Hospital Dublin 8
Mr Seamus McMenamin	Investigation of pathogen-induced alterations in macrophage functions	Dr Padraic Fallon Department of Biochemistry Trinity College Dublin 2
Ms Debbie Mills	Validation and comparison of two methods for HPLC analysis in the detection of serum carotenoid levels	Dr Orla O'Donovan Chemical and Life Science Dept Waterford Institute of Technology Cork Road
Ms Deborah Molloy	A functional brain magnetic resonance imaging (fMRI) study of strategic thinking/problem -solving and hope in healthy volunteers and in depressed patients with and without suicidal features	Dr Kevin Malone Department of Adult Psychiatry UCD/Mater Misericordiae Hospital Eccles Street
Ms Fiona Moore	Prevalence of exercise-induced asthma in the non-asthmatic population	Dr Catherine Black UCD School of Physiotherapy Mater Misericordiae Hospital Eccles Street
Ms Ciara Moran	Quantification of the inhibitory efficiency of novel protease inhibitors	Professor JPG Malthouse Department of Biochemistry University College Dublin Belfield

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Ms Nichola Murphy	The role of Dopamine-B-hydroxylase (DBH) promoter variants as modifiers alleles in autism	Dr Louise Gallagher Department of Genetics Trinity College Dublin 2
Ms Eimear Murphy	The performance of veneers	Dr H Ziada Department of Restorative Dentistry University Dental School and Hospital Wilton
Ms Norizan Mustafa	Potential of activate TiO <sub>2</sub> -coated biomaterials for the prevention and treatment of implanted device-related infections	Dr Jim O'Gara Department of Microbiology RCSI Education and Research Centre Smurfit Building
Ms Aoibhlinn Ni Tuathail	Co-localisation of estrogen alpha and beta with the coregulators SRC-1 and SMRT in breast-cancer tissue	Dr Leonie Young Department of Surgery Woodview Belfield
Mr Redmond O'Connell	Quality of life issues in the field of prosthetics: pain, post-traumatic stress disorder, coping and adjustment among elderly amputees	Professor Malcolm MacLaughlan Trinity Psychoprosthetics Group Department of Psychology Trinity College
Ms Ann O'Connor	Measuring platelet adhesion with modulating peptides	Dr Dermot Kenny Department of Clinical Pharmacology Royal College of Surgeons in Ireland 123 St Stephens Green
Ms Joanne O'Gorman	Detection of the gene for Panton-Valentine Leucocidin in Staphylococcus Aureus isolates associated with invasive infection or colonisation	Professor Martin Cormican Department of Bacteriology National University of Ireland, Galway Galway
Ms Grainne O'Malley	Prospective assessment of mammography referrals to breast clinic	Professor Peter McCarthy Department of Radiology University College Hospital Galway
Ms Susan O'Neill	The acute effects of aerobic and anaerobic exercise on bone turnover in postmenopausal women	Dr Niamh Murphy Waterford Institute of Technology Cork Road Waterford

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Mr Crochan O'Sullivan	Thrombin receptor antagonists: The human myometrium and investigation for potential role in pre-term labour	Professor John Morrison Department of Obstetrics & Gynaecology Clinical Science Institute National University of Ireland
Ms Jennifer Park	Infant feeding representations in Irish media	Professor Ivan Perry Department of Epidemiology and Public Health University College Cork Distillery House
Ms Clare Rock	Patients' perceptions and expectations of care provided in an Emergency Department	Mr John Ryan Department of Emergency Medicine St Vincent's University Hospital Elm Park
Mr Michael Scully	Regulation of metallopeptidase expression in vascular endothelial cells by mechanical force	Dr Philip Cummins Vascular Health Research Centre Faculty of Science and Health Dublin City University
Ms Karen Sheehan	Is ApoE4 a susceptibility locus of Alzheimer Dementia in the Irish population	Dr Ziarh Hawi Department of Genetics Trinity College Dublin 2
Miss We Fong Siah	EUROASPIRE criteria for patients undergoing angiography - risk factor management and use of drug therapies in a cohort of patients	Dr Kathleen Bennett National Centre for Pharmacoeconomics St James's Hospital Dublin 8
Ms Victoria Stokes	Regional distribution and sources of superoxide production in diabetic vasculature	Dr Alan Keenan Department of Pharmacology University College Dublin Belfield
Ms Yi Min Wan	Role of inducible nitric oxide synthase in nitrotyrosine formation in chronically infected lungs	Professor Paul McLoughlin Department of Physiology University College Dublin Earlsfort Terrace
Ms Niamh Watters	Role of ubiquitination in the regulation of neutrophil apoptosis	Dr WRG Watson Department of Surgery Mater Misericordiae Hospital 47 Eccles Street
Ms Danielle Wylie	The knowledge and attitudes of mothers to vaccination and influences on vaccination uptake	Dr Anthony Staines Department of Public Health Medicine and Epidemiol University College Dublin Earlsfort Terrace

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Mr Robert Tze-Jin Yap	Effects of caffeine on rat diaphragm and sternohyoid muscle contractile properties In Vitro	Dr Ken O'Halloran Department of Human Anatomy and Physiology University College Dublin Earlsfort Terrace

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