



## Summer Students 2001

Student	Project Title	Project Supervisor
Ms Elizabeth Allen	A comparison uncoupling protein 3 expression in mitochondria and whole tissue isolated from mouse type IIb (glycolytic) and type I (oxidative) muscle.	Dr Richard K Porter Department of Biochemistry Trinity College Dublin 2
Ms Ciara Barrett	A comparison of mitochondrial efficiency and the effect of pH on mitochondrial function in mitochondria isolated from rodent type IIb (glycolytic) and type I (oxidative) muscle	Dr Richard K Porter Department of Biochemistry Trinity College Dublin 2
Mr Christopher Beirne	Effect of caffeine pre-treatment of the sensitivity to stress-induced immunosuppression	Dr John Kelly Department of Pharmacology National University of Ireland, Galway Galway
Mr David Bradley	Investigation of the bactericidal activity of cathepsin G against pseudomonas aeruginosa.	Dr Clare O'Connor Lung Fibrosis Unit University College Dublin Woodview
Ms Gillian Brennan	Angiogenesis in the Pulmonary Circulation	Professor Paul McLoughlin Department of Physiology University College Earlsfort Terrace
Mr Stephen Burke	Development of an interactive database to record recruitment of families and all clinical psychological and genetic data for a collaborative study on Attention Deficit Hyperactivity Disorder Project.	Dr Katie Armstrong/Prof Gill Department of Psychiatry Trinity Centre for Health Science St James Hospital
Mr Allen Butler	Gremlin - A putative effector of basic calcium phosphate crystal mediated mitogenesis in osteoarthritis	Dr Peter Doran Department of Medicine and Therapeutics Mater Misericordiae Hospital University College Dublin
Mr Thomas Chan	T-cell responses to allergens in early life	Professor Denis J. Reen Children's Research Centre Our Lady's Hospital for Sick Children Crumlin Dublin 12

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Ms Valerie Collins	Identification of distinct nucleotide receptor population on the colonic epithelial cell line T84	Dr Gerard Browne Cellular Physiology Research Unit Department of Physiology University College Cork
Ms Claire Connolly	Over-expression of human DNA polymerase ETA (RAD 30) in E. coli	Dr Michael Carty Biochemistry Dept. National University of Ireland Galway Galway
Ms Rosemary Daly	The influence of oral health status on dietary intake of older adults	Dr Finbar Allen Department of Restorative Dentistry University Dental School and Hospital Wilton
Mr Colin Dennison	Outcome measures of removable partial dentures	Dr Christopher Lynch Department of Restorative Dentistry University Dental School and Hospital Wilton
Mr Patrick Donnellan	Mutation Detection in candidate genes for migraine headaches	Dr Sean Ennis Dept. of Medical Genetics Faculty of Medicine UCD National Centre for Medical Genetics
Ms Frances Doyle	Modulation of dendritic cell function by haemagglutinin (HA) from influenza virus.	Dr Patricia Johnson Lecturer Biology Department NUI Maynooth
Ms Orla Dunne	The role of Cox-2 in neutrophil apoptosis	Dr RWG Watson Department of Surgery, UCD Mater Hospital 47 Eccles Street
Ms Elizabeth Egan	Changes in bone turnover following Impact and non-impact exercise using biochemical markers specific for both bone formation and bone resorption.	Professor Philip Jakeman Human Science Research Centre Dept. of Physical Education and Sport Science University of Limerick
Ms Louise Farrell	Synthesis and structural characterisation of some new pyrimidine containing heterocycles, biologically interesting nitrogenated compounds.	Dr Frances Heaney Dept. of Chemistry National University of Ireland Maynooth

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Mr Brian Farrell	Development of a measurement of the perception of time as an adjunct to the assessment of children presenting with hyperactivity and inattention	Dr Celine Mullins Dept. of Psychiatry Trinity Centre for Health Sciences St James Hospital
Mr Timothy Finn	H2 clearane measurement of regional cerebral blood flow: The development of a microelectrochemical device for real time monitoring.	Dr John P. Lowry Department of Chemistry National University of Ireland, Maynooth Co. Kildare
Ms Claire Flahavan	HER-2 analysis in tissue microarrays of archival human breast cancer: comparison of immunohistochemistry and fluorescence in situ hybridisation.	Dr Tony O'Grady Department of Pathology RCSI Education and Research Centre Smurfit Building
Ms Maura Grummel	Mechanism of human chorionic gonadotrophin (hCG) inhibition of pregnant human myometrial contractility.	Professor John Morrison Dept. of Obstetrics & Gynaecology NUIG Clinical Science Institute University College Hospital
Mr Mark Hannon	A stereological examination of frog bladder ultrastructure following exposure to hypertonic bathing solution	Dr Elizabeth Gebreus Department of Physiology University College Cork Cork
Ms Noelle Heffron	To assess the physical properties of bone cement when mixed using two different techniques: manual mixing and mixing under the application of a vacuum	Dr Nicholas Dunne School of Mechanical & Manufacturing Engineering Dublin City University Glasnevin
Mr Craig Henson	Brain stem changes in the aged	Dr Francesca Brett Department of Neuropathology Beaumont Hospital Beaumont Road
Ms Clare Kelly	Circadian synchronicity and learning in younger and older adults	Professor Ian Robertson Department of Psychology Aras an Phiarsaigh Trinity College
Ms Cliona Kenny	Analysis of TNF polymorphisms in the progression of chronic Hepatitis C	Dr Sharon Barrett Centre for Liver Disease Mater Hospital Eccles St
Ms Lorraine Lester	Mapping the gene for autosomal dominant Restless Legs Syndrome	Dr Brendan Fitzgerald UCC Department of Pathology Cork University Hospital Cork

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Ms Aoife Lowery	An examination of the relationship between socio-economic status and secondary preventive care of cardiac patients in Irish general practice.	Professor Andrew W Murphy Department of General Practice Clinical Science Institute National University of Ireland
Ms Bernadette Mary Lynch	Purification and Analysis of IcaR, a protein essential for biofilm formation in staphylococcus epidermidis	Dr Jim O'Gara Dept. Of Microbiology RCSI Education and Research Centre
Ms Nicola Mahon	Construction of vectors for the production of cytolethal distending toxin-deficient mutants of campylobacter upsaliensis and campylobacter jejuni	Dr Adele Mooney The Childrens Research Centre Our Lady's Hosptial for Sick Children Dublin 12
Ms Joanne Masterson	Interleukin -10 as a potential regulator of antiviral immune response in chronic hepatitis C infection.	Dr Derek G Doherty Institute of Immunology & Dept. of Biology NUI Maynooth Maynooth
Mr Matthew Maxwell	Cytokines and sensitivity of airway smooth muscle; a mechaism for twitchy bronchial tubes in asthma	Dr Mairead Touhy Dept. of Biochemistry NUI Galway Galway
Ms Michelle Mc Brien	A feasibility study examining the impact of an evidence-based answer service for general practitioners	Dr Peter Cantillon Department of Medical Informatics Clinical Science Institute Costello Road
Mr Charles Mc Manus	Significance of oestrogen receptor beta in locally recurrent breast carcinoma	Professor H.F. Given Department of Surgery Clinical Science Institute University College Hospital Galway
Ms Fiona McGuire	Anti-TNF-alpha therapy in Crohn's disease: clinical,quality of life and health economic aspects	Professor Colm O'Morain Department of Gastroenterology Adelaide & Meath Hospital Trintiy College
Mr Edward McSwiney	Relationship between obesity and hypertension control	Dr Niall Colwell Dept. Pharmacology and Therapeutics Clinical Science Building Cork Cork University Hospital

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Ms Elizabeth Joanna Moloney	The properties of mouthrinses sold over the counter in Ireland	Dr Denis O'Mullane Oral Health Services Research Centre University Dental School Wilton
Mr Adrian Murphy	The role of oestrogens on prostate cancer cell apoptosis	Dr John Fitzpatrick Department of Surgery UCD/Mater Hospital 47 Eccles Street
Mr James Murphy	Measurement of Caspase 8 in Breast Cancer	Dr MJ Duffy St. Vincent's University Hospital Elm Park Dublin 4
Ms Tracy Murphy	Identification of the ATP-binding site of the P2X2 receptor	Dr Patrick T Harrison Cellular Physiology Research Unit Department of Physiology University College Cork
Mr Sook Ni Chan	Characterisation of sub-phenotypes in a population of women with current or former gestational diabetes mellitus (GDM): studies of insulin secretion and insulin resistance.	Dr John Nolan Metabolic Research Unit Department of Endocrinology Hospital 5 St James's Hospital
Mr Cathal O'Ceallaigh	Molecular Assembly of Novel DNA Transcripts, Identified as Being Differentially Expressed in a model of Diabetic Nephropathy.	Dr David Lappin Dept. of Medicine and Therapeutics Mater Misericordiae Hospital UCD
Ms Caoilfhionn O'Donoghue	TNF $\alpha$ - estimation in intestinal tissue from inflammatory bowel disease	Dr Cliona O'Farrelly ERC St Vincents University Hospital Elm Park
Ms Babe Eunice Oitsile	Transport implications of healthcare needs for older people in a secondary and tertiary referral centre	Dr Desmond O'Neill Department of Medical Gerontology Trinity Centre for Health Sciences Adelaide and Meath Hospital
Ms Fionnuala O'Leary	Is inflammatory Bowel Disease in Ireland linked to chromosome fourteen?	Dr Nollaig O'Leary UCC Department of Pathology Cork University Hospital Cork

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Mr Aonghus O'Loughlin	Patient views regarding anti-thrombotic treatment for atrial fibrillation: A pilot project.	Dr S. O'Keefe Department of General Practice Clinical Science Institute National University of Ireland Galway
Mr Shastri Persad	Does antioxidant Vitamin C and aerobic exercise produce smoking associated arterial stiffness.	Professor John Feely Department of Pharmacology & Therapeutics Trinity Centre for Health Sciences St. James's Hospital
Ms Shirley Potter	Polyamines and human uterine contractility	Professor John J Morrison Dept. of Obstetrics & Gynaecology NUIG Clinical Science Institute University College Hospital
Ms Niamh Sheahan	Assessment of 'Medisense Optium' performance in type-1 diabetic patients and correlation of ketone body concentration with hyperglycaemia and altered amino acid concentrations.	Professor Philip Newsholme Dept. of Biochemistry UCD Belfield
Ms Dympna Smyth	Identification of extracellular matrix-degrading proteases of fungal origin using RaSH	Dr Maria Tuohy Department of Biochemistry NUI Galway Galway