



1<sup>st</sup> School of Medicine Postgraduate Research Day  
Friday 7<sup>th</sup> September 2007  
Institute of Molecular Medicine & Trinity Centre for Health Sciences, St.  
James's Hospital

**POSTER DISPLAY**  
MONTGOMERY ROOM, Trinity Centre for Health Sciences

**CLINICAL SCIENCES & MOLECULAR MEDICINE**

- CSM1      Left Ventricular Function in early Hypertension: A Comparison of Echocardiographic Measures of Diastolic Function  
*Ibrahim al-Muntasir, Department of Pharmacology & Therapeutics*
- CSM2      Emergence of carbapenem-resistant *Acinetobacter* spp in Ireland  
*Teck Wee Boo, Department of Clinical Microbiology*
- CSM3      Ocular microtremor and the brainstem: preliminary findings in brainstem stroke  
*Niamh Collins, Department of Medical Gerontology*
- CSM4      Characterisation of bacteraemic *Escherichia coli* isolates from St. James's Hospital  
*Niamh Cooke, Department of Clinical Microbiology*
- CSM5      A Role for the Cytokine il-10 in the Stress-Induced Immunosuppression of the Innate IFN- $\gamma$  Response  
*Niamh Curtin, Department of Physiology*
- CSM6      Elucidating the Role of p16<sup>INK4A</sup> in HPV Associated Cancers  
*Louise Keogh, Department of Histopathology*
- CSM7      An investigation into the effect of endurance training on newly proliferated skeletal muscle tissue  
*Oscar MacAnaney, Department of Physiology*
- CSM8      Cannabinoid CB<sub>2</sub> Receptor is Essential for Mesenchymal Stem Cell Viability  
*Baby Maloor, Department of Physiology*
- CSM9      Feeding a diet enriched with CLA improves the diabetic phenotype  
*Jolene McMonagle, Department of Clinical Medicine*

- CSM10 Differential Activation of Microglia by Amyloid-Beta and Lipopolysaccharide  
*Keith McQuillan, Department of Physiology*
- CSM11 Elucidation of antibiotic resistant levels in *Pseudomonas aeruginosa*  
*Sarah Molan, Department of Clinical Microbiology*
- CSM12 Modulation of Glia by Interaction with T Cells  
*Aine Murphy, Department of Physiology*
- CSM13 Identification of potential biomarkers and therapeutic targets for pancreatic cancer using gene expression profiling  
*Annamarie Rogers, Department of Surgery*
- CSM14 An Investigation into the effect of Bile Acid on Golgi Morphology in a model of Oesophageal Cancer  
*Ruchika Sharma, Department of Clinical Medicine*
- CSM15 New biochips for a 3-D study of trans-endothelial leukocyte migration  
*Stephanie Toetsch, Department of Clinical Medicine*
- CSM16 COX-2: A Target for Combating Tumour Angiogenesis in Pancreatic Cancer  
*DP Toomey, Department of Surgery*
- CSM17 A new microtubule targeting compound PBOX-15 inhibits T-cell migration *via* post-translational modifications of tubulin  
*Navin Kumar Verma, Department of Clinical Medicine*
- CSM18 High Content Analysis of Size-Dependent Nanoparticles Distribution Within Human Cell Lines  
*Yvonne Williams, Department of Clinical Medicine*
- CSM19 Adiponectin Gene Polymorphism (G276T) Contributes to Blood Pressure and Arterial Stiffness in Essential Hypertension  
*Sixiang Zhou, Department of Pharmacology & Therapeutics*

#### SCIENCE & MEDICINE OF THE MIND

- SMM1 The Acquisition and Consolidation of Recognition Memory are Neurotrophin-Dependent  
*Charlotte Callaghan, Department of Physiology*
- SMM2 The Impact of Hypothyroidism on Neurocognitive Functioning: A Model of Neuroplasticity in the Mature Adult Human Brain  
*Gillian Cooke, Department of Physiology*
- SMM3 The PPAR $\gamma$  Agonist, Rosiglitazone, Attenuates LPS-Induced Changes in Vitro in an IL-4 Dependent Manner  
*Brian Francis Deighan, Department of Physiology*

- SMM4 Characterisation of Effects of Ageing in the Rat Brain  
*Laura Kelly, Department of Physiology*
- SMM5 Noradrenaline Suppresses Thrombin-induced Chemokine and Cell Adhesion Molecule Expression in Primary Astrocytes and Microglia  
*Dana Kilroy, Department of Physiology*
- SMM6 The Endocannabinoid, 2-Arachidonoylglycerol, Protects Cultured Rat Cortical Neurones from Toxicity Evoked by  $\beta$ -Amyloid Protein  
*Janis Noonan, Department of Physiology*
- SMM7 Exercise Modulates Age-Related Change in the Rat Hippocampus  
*Rachel O'Callaghan, Department of Physiology*
- SMM8 Inflammation down-regulates  $\beta_2$ -adrenoceptor expression on primary glial cells: Reversal by the glucocorticoid dexamethasone  
*Karen Ryan, Department of Physiology*
- SMM9 An Anti-Inflammatory Role for SIGIRR in the CNS?  
*Melanie Watson, Department of Physiology*

#### INTEGRATIVE BIOLOGY

- IB1 The Effect of Post-Exercise Cold, Warm and Contrast Water Bath Immersion on Blood Lactate and High-Intensity Exercise Performance  
*David Crampton, Department of Physiology*
- IB2 An investigation into the role of core stability in running  
*Grainne Kelly, Department of Physiology*
- IB3 Cardiac Output and Oxygen Uptake Kinetics during Cycling in Moderately Obese Pre-Menopausal Women with Type 2 Diabetes Mellitus  
*John Killian Malone, Department of Physiology*
- IB4 The effect of a 12-week progressive resistance training programme on leg blood flow in healthy sedentary older post menopausal females  
*Heather Reilly, Department of Physiology*

#### PHYSICAL MEDICINE

- PM1 Hands Free Carotid Sinus Massage - Towards an Automated System for Carotid Sinus Hypersensitivity Detection  
*Ciaran Finucane, Department of Medical Gerontology*

PM2            A Randomised Trial of Prescribing Feedback to General Practitioners Using Academic Detailing Versus Postal Bulletin  
*Corrina Naughton, Department of Pharmacology & Therapeutics*

PM3            Rehabilitative ultrasound imaging of the middle and lower trapezius muscle: description and reliability of the technique  
*Cliona O’Sullivan, Department of Physiotherapy*

### POPULATION & DEVELOPMENTAL HEALTH

PDH1           Adherence to Tamoxifen Therapy  
*Thomas Ian Barron, Department of Pharmacology & Therapeutics*

PDH2           Family mediated exercises following stroke (FAME) - A survey of the views of people with stroke  
*Rose Galvin, Department of Physiotherapy*

PDH3           Family mediated exercises following stroke (FAME) - A survey of the views of ‘family members/friends’  
*Rose Galvin, Department of Physiotherapy*

PDH4           Potentially Inappropriate Medication Use among the Elderly in the Community and Nursing Homes  
*Ifeanyi Okechukwa, Department of Pharmacology & Therapeutics*

PDH5           Incorporating Bar Code Technology and a Validated Cold Chain Delivery System, (VCCDS), for the Safe and Efficient Distribution of Clotting Factor Concentrates (CFCs), for the Haemophilia Population  
*Frederick Pfeiffer, Department of Haematology*