

MPhil and Experimental Medicine Training Initiative
Research Day
Friday 14 June 2019
Gillespie Centre, Clare College
Memorial Court site, Queens Road

11.00am Refreshments, Registration and EMI PhD poster session
Hannah Buckley, Arlette Vassallo, James Goodman, Pani Gopaluni, Elizabeth Wlodek, Constanza Linossi, Toby Humphrey

Chair – Ian Wilkinson

11.50pm **Vinayak Ramdhun** (MPhil student)
Intra-individual Variation in Lumbar Bone Mineral Density in Gaucher Disease, as a measure of focal bone pathology

12.05pm **Jessica Jiang** (MPhil student)
Investigating the Role of Cholesterol in Vascular Inflammation with PCSK9 mAb Inhibitor (alirocumab), Using 18 F-FDG PET/CT as an Imaging Marker

12.20pm **Beverly Bartels** (MPhil student)
Placental mitochondrial function and foetal-placental development in response to diet-induced obesity

12.35pm **Gioia Riboni Verri** (MPhil student)
CGM reveals better post-prandial glucose levels in patients with T2DM and the rs6923761 (Gly168Ser) and rs1042044 (Leu260Phe) GLP-1 receptor polymorphism

12.50pm Lunch and MPhil poster session 1
Aishwarya Nene, Alexandra Ekvik, Coco Zhang, Daniel Kottmann, Lynn Tan, Samantha Hodder

Chair – Mark Toshner

1.50pm (PhD) **Audrey Melvin** (EMI PhD student)
Metabolic insights into PPAR alpha

2.10pm (PhD) **James MacKay** (EMI PhD student)
Advanced Magnetic Resonance Imaging of Osteoarthritis for Experimental Medicine Studies

2.30pm **Seoyoung Park** (MPhil student)
Investigating the Effect of B cell Manipulation in Parkinson's disease Models

2.45pm **Aliya Ahmad Nabil** (MPhil student)
Investigating the role of FAMIN

3.00pm **Jack Byrne** (MPhil student)
Investigating the role of Keratin-18, a novel NAT10-interacting protein in progeria

3.15pm **Freja Ekman** (MPhil student)
RNA Gene Therapy for Pancreatic Cancer by Selective Expression of Herpes Simplex Virus Thymidine Kinase/Ganciclovir via RNA *Trans*-splicing

3.30pm Break and MPhil poster session 2
Simon Gunter, Sophia Junker, Tiffeney Mann, Vadir Baktash, Victoria Mischley, Yuan Wu

Chair – Carmel McEniery

- 4.30pm **Murray Polkinghorn** (MPhil student)
The Characterisation of a Multicellular Cardiac Patch
- 4.55pm **Ahmad Hider** (MPhil student)
Characterising the functional importance of a myelin protein zero like 1–surfactant protein C interaction in idiopathic pulmonary fibrosis
- 5.10pm **Theodore Hu** (MPhil student)
From genetic associations to transcriptional regulation in autoimmune diseases
- 5.25pm Break
- 5.40pm Closing remarks/guest speaker introduction
- 5.45-6.30pm **Guest Speaker: Ben Challis**
Director Physician, Translational Science & Experimental Medicine, Early CVRM R&D
Biopharmaceutical Unit, AstraZeneca
The transition to industry: reflections from the dark side
- 6.45/7.15pm Drinks/Dinner at Trinity Hall – Graham Storey Room