

# Physiology @ Newcastle

## Research Symposium

Thursday 8<sup>th</sup> March 2012  
Room 2.20, Research Beehive



### 12:00-12:45 Tea, Coffee and Cakes

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| 12:45 A journey from student to teacher  | <b>David Kennedy</b> , School of Medical Sciences Education Development |
| 1:00 A career in clinical physiology – a day in the life of a respiratory physiologist                                 | <b>Jessica Hartley</b> , Freeman Hospital                               |
| 1:15 Undergrad to postgrad: Physiology and the MRes/Masters  | <b>Helen Lawrence</b> , Institute of Cellular Medicine                  |
| 1:30 We were working in a toilet this morning – that's why I love my job!  | <b>Laura Basterfield</b> , Institute of Health & Society                |
| 1:45 An investigation of the role of non-nuclear protein acetylation in the vasculature                                | <b>Aiqing Chen</b> , Institute of Cellular Medicine                     |
| 2:00 Investigating the generation of network oscillations in the prefrontal cortex in vitro                            | <b>Claire Gillougley</b> , Institute of Neuroscience                    |
| 2:15 Characterising a novel mouse model of Joubert syndrome related diseases   | <b>Anne Marie Hynes</b> , Institute of Genetic Medicine                 |
| 2:30 Effects of hypercapnia on CFTR-dependent HCO <sub>3</sub> <sup>-</sup> secretion in human airway epithelial cells | <b>Mark Turner</b> , Institute for Cell and Molecular Biosciences       |

### 2:45-3:15 Tea, Coffee and Cakes

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| 3:15 Superior electrical coupling and biocompatibility of carbon nanotube electrodes for retinal implants   | <b>Cyril Elefteriou</b> , Institute of Neuroscience  |
| 3:30 Brainstem responses to transcranial magnetic stimulation over motor cortex                             | <b>Karen Fisher</b> , Institute of Neuroscience  |
| 3:45 Innate defences in the urinary tract   | <b>Marcelo Lanz</b> , Institute for Cell and Molecular Biosciences                                   |
| 4:00 Calcium signalling and differentiation in neuroblastoma cells  | <b>Natalie Bell</b> , Institute for Cell and Molecular Biosciences                                   |
| 4:15 Homology modelling and structure-function studies with the renal amino acid transporter PAT2 (slc36a2) | <b>Noel Edwards</b> , Institute for Cell and Molecular Biosciences and Institute of Genetic Medicine |
| 4:30 Keeping several irons in the fire  | <b>Paul Sharp</b> , Senior Lecturer in Nutritional Sciences, King's College London                   |

### 5:15 Concluding remarks and prizes

For further information contact Prof. David Thwaites: david.thwaites@ncl.ac.uk

Sponsored by The Physiological Society and the School of Biomedical Sciences