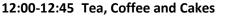
## Physiology @ Newcastle Research Symposium

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





1:00	A career in clinical physiology – a day
	in the life of a respiratory physiologist

1:15 Undergrad to postgrad: Physiology and the MRes/Masters

12:45 A journey from student to teacher

- 1:30 We were working in a toilet this morning – that's why I love my job!
- 1:45 An investigation of the role of nonnuclear protein acetylation in the vasculature
- 2:00 Investigating the generation of network oscillations in the prefrontal cortex in vitro
- 2:15 Characterising a novel mouse model of Joubert syndrome related diseases
- 2:30 Effects of hypercapnia on CFTRdependent HCO<sub>3</sub><sup>-</sup> secretion in human airway epithelial cells

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

3:15	Superior electrical coupling and biocompatibility of carbon nanotube	Cyril Elefteriou, Institute of Neuroscience
3:30	electrodes for retinal implants Brainstem responses to transcranial magnetic stimulation over motor cortex	Karen Fisher, Institute of Neuroscience
3:45	Innate defences in the urinary tract	Marcelo Lanz, Institute for Cell and Molecular Biosciences
4:00	Calcium signalling and differentiation in neuroblastoma cells	Natalie Bell, 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	

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