



The
University
Of
Sheffield.

The
Medical
School.

SCHOOL RESEARCH MEETING

5th – 6th July 2010

The Medical School (B-Floor), University of Sheffield

PROGRAMME

Invited Guests:

Professor Richard Trembath

Head of Molecular and Medical Genetics Group, King's College London

Professor Jon Nicholl

Director of the Medical Care Research Unit, School of Health and Related Research, University of Sheffield

Monday 5th July 2010

- 10:00-11:00 Poster presenters to hang posters
- 11:00-12:00 **Post-doc Society organised poster walks**
Take a methodology-based tour through research in the Medical School
- 12:00-13:00 **Lunch**
- 13:00-15:30 **Collaborative Research**
Lecture Theatre 1, B-Floor, Medical School
Post-doc Society organised presentations
- 13.00 – 13.05 Introduction by Professor Paul Hellewell, Faculty Director of Research and Innovation
- 13.05 – 13.25 Dr Sarah Forster (Post-doc) and Claire Timon (PhD student)
Human Nutrition Unit, Department of Oncology
'New dynamics of ageing – NANA: Novel Assessment of Nutrition and Ageing'
- 13.25 – 13.45 Dr Julie Preston (Post-doc)
Academic Unit of Respiratory Medicine, Department of Infection and Immunity
'Macrophage-specific Mcl-1 transgenic mice: a multi-laboratory, cross continental collaboration'
- 13.45 – 14.05 Dr Paula Eves (Income Capture Officer for Healthcare Across the Disciplines)
Research and Innovation Services
'Collaborative research: how to get started'
- 14.05 – 14.20 **COFFEE / TEA BREAK**
- 14.20 - 14.55 Dr Colin Bingle (Reader)
Academic Unit of Respiratory Medicine, Department of Infection and Immunity
'Roads well travelled: a user's guide to collaboration'
- 14:55 – 15.30 Professor Ian Wilson (Senior Principal Scientist, AstraZeneca)
'Yin and Yang – industrial-academic collaborations'
- 15:30-17:00 **Poster & Wine Session**
Posters to be judged by Professors Trembath, Nicholl, accompanied by Professor Hellewell
- 17:00 Close

POSTER WALK REGISTRATION

There are a limited number of places on the poster walks. If you would like a place on a walk, please register by sending an email to: school-research-day@sheffield.ac.uk. All tours will be based on research concerning 'Methodologies' shared across the School.

Places will be allocated on a first come, first served basis. You will receive an email confirming your place on the walk.

Tuesday 6th July 2010

- 08:40 Registration for Oral and Poster Presenters
- Session 1: Chaired by Dr Angie Cox, Acting Chair of the Research Meeting Working Group
- 09:00 Welcome and introduction to the day
- 09:00 **Invited Speaker**
Professor Sheila MacNeil [Engineering Materials]
Professor of Tissue Engineering
"Tissue engineering of soft tissues – laboratory and clinical experiences"
- 09:30 Miss Josephine Reeve [Academic Radiology / Diabetes – Human Metabolism]
BMedSci Student
"Quantification of carotid artery blood flow before and after the acetazolamide challenge"
- 09:45 Mr Andrew Needham [Nephrology – Infection and Immunity]
4th year PhD student
"Phosphorylation of the N-terminal domain of polycystin-2 by GSK3: biochemical and functional characterisation"
- 10:00 Dr Janine Kirby [Neurology – Neuroscience]
Lecturer
"Fighting for survival: Gene expression profiling of surviving motor neurones in SOD1-related MND"
- 10:15 Miss Abigail Welford Tumour Microcirculation & Tumour Targeting Group – Oncology]
4th year PhD student
"Inhibition of Tie2+ macrophage infiltration in combination with vascular disrupting agent therapy may heighten clinical efficacy"
- 10:30 – 11:00 COFFEE / TEA BREAK**
- Session 2: Chaired by Professor Paul Hellewell, Faculty Director of Research and Innovation
- 11:00 Mr Ning Wang [Academic Unit of Bone Biology – Human Metabolism]
Research Associate
"Bone Phenotype of P2Y13 Receptor Knockout Mice"
- 11:15 Dr Adrienn Angyal [Cardiovascular Science]
EFIS Short Term Fellow
"MAPK adaptor proteins JIP2 and tribbles-1 interact and regulate the activation of the MAPK cascade"
- 11:30 Dr Martin Bewley [Respiratory Medicine – Infection and Immunity]
Postdoctoral Research Associate
"Cathepsin D acts on multiple targets to influence macrophage apoptosis in response to Streptococcus pneumoniae infection"
- 11:45 Dr Patrick Evers [YCR Institute for Cancer Studies – Oncology]
Lecturer
"Drug-resistant Aurora kinase mutants for cellular target validation of clinical small molecule anticancer inhibitors"
- 12:00 **Plenary Speaker**
Professor Richard Trembath
Head of Molecular and Medical Genetics Group, King's College London
"Shaping a future in Medicine: the timely translation of genomes"
- 13:00 – 14:00 LUNCH & POSTER VIEWING**

- Session 3: Chaired by Dr Chris Newman, Clinical Research Facility Director
- 14:00 **Invited Speaker**
Professor Ian Douglas [School of Clinical Dentistry]
Professor of Oral Microbiology
"Bistability and invasion of epithelial cells: a mechanism in periodontitis?"
- 14:30 Dr Chiara Valori [Neuroscience]
Postdoctoral Research Associate
"Systemic delivery of scAAV9 expressing SMN prolongs survival in a mouse model of Spinal Muscular Atrophy"
- 14:45 Dr Dan Hampshire [Haemostasis Research Group – Cardiovascular Science]
Postdoctoral Research Associate
"Polymorphic variation within the VWF locus contributes to the failure to detect type 1 VWD mutations in the MCMDM-1VWD cohort"
- 15:00 Dr Yung-Yi Chen [Immunology and Infectious Diseases – Infection and Immunity]
Research Associate
"p700, a novel therapeutic peptide for rheumatoid arthritis"
- 15:15 Dr Ishtiaq Rehman [Academic Unit of Bone Biology – Human Metabolism]
Lecturer
"Eight-plex iTRAQ analysis of variant metastatic human prostate cancer cells identifies candidate biomarkers of progression"
- 15:30 **Invited Speaker**
Professor Mike Campbell [School of Health and Related Research]
Professor in Medical Statistics
"Cluster Randomized Trials: the Good, the Bad and the Ugly"
- 16:00 Presentation of Prizes for Oral Presentations & Posters
- Closing Remarks by Professor Richard Trembath & Professor Jon Nicholl