SCHOOL RESEARCH MEETING
15th - 16th June 2009
Octagon Centre, University of Sheffield

PROGRAMME

Invited Guests:
Professor Robert Lechler
(Dean School of Medicine & Dentistry, Guys Kings St Thomas)

Professor Matthew Holley
(Head of Department Biomedical Sciences, University of Sheffield)

Monday 15th June 2009

11:00 Poster presentations to display posters,

12:00-13:30 Poster Walks & Lunch
Hosted by the Medical School Postdocs & Clinical Fellows
A tour will take you through research in the School that uses similar “Methodologies”

13:30-15:30 Methodologies presentations
13:30-14:00 FACS Core Facility (Sue Newton)
BD Biosciences – Dr John Lawry & Dr Jane Limer
“Latest Advances in Flow Cytometry”

14:00-14:30 Microscopy Core Facility (Collin Gray)
Zeiss – Dr Graham Brown
“Recent Developments in Confocal and Multi-Photon Microscopy from Carl Zeiss?”

14:30-15:00 Microarray Core Facility (Paul Heath)
Affymetrix – Dr Ian Pittam
“Current advances in Affymetrix MicroArray Technologies”

15:00-15:30 Genetics Core Facility (Franco Di Giovine)
ABI – Dr Simon Chandler
“A perfect storm of miRNAs: new technologies for detection and analysis”

15:30 TEA BREAK

16:00-17:00 Plenary Lecture
Chaired by Professor Tony Weetman, Medicine ProVC (Medicine)

16:00 Professor Robert Lechler [Guys, Kings, St Thomas]
Medicine & Dental School Dean
“Approaching Clinical Transplantation Tolerance?”

17:00 Open Poster Session & Wine Reception
Tuesday 16th June 2009

08:40 Registration for Oral and Poster Presenters

Session 1: Chaired by Prof Paul Hellewell, Faculty Director of Research & Innovation

09:00 Welcome and introduction to the Day

09:00 Invited Speaker
Professor David Dockrell [Respiratory Medicine, Infection & Immunity]
Wellcome Advanced Fellow / Honorary Senior Lecturer in Infectious Diseases
“The life and death of the alveolar macrophage during infection”

09:30 Miss Laura Cox [Neurology - Neuroscience]
Research Technician / PhD Student – 4th Year
“Mutations in CHMP2B in the progressive muscular atrophy subtype of motor neurone disease”

09:45 Dr Kim Reeves [Surgical Oncology - Oncology]
Postdoctoral Research Associate
“A new model to study prostate cancer micrometastases in vivo”

10:00 Miss Julie Lees [Cardiovascular Research Unit – Cardiovascular Science]
BMedSci Student
“Parathyroid hormone receptor 1 gene knockdown induces aortic occlusion in zebrafish embryos”

10:15 Dr Anthony Hart [Radiology – Human Metabolism]
Clinical Research Fellow / PhD Student - 2nd Year
“Diffusion weighted imaging of the cerebellum following preterm birth”

10:30 – 11:00 COFFEE / TEA BREAK

Session 2: Chaired by Prof Nicola Brown, Chair of the Research Meeting Working Group

11:00 Dr Evy De Leenheer [Infection & Immunity – Infection & Immunity]
Postdoctoral Research Associate
“Development of an alternative TB vaccine using anti-CD40 conjugation technology”

11:15 Dr Sarah Jane Lunt [Surgical Oncology - Oncology]
Postdoctoral Research Associate
“Evidence for vascular effects dominating solid tumour response to treatment with combrestastatin A-4 phosphate”

11:30 Dr Alia Munir [Diabetes, Endocrinology & Metabolism – Human Metabolism]
Clinical Research Fellow
“RNA Interference as a Therapy for Cushing's Disease in Primary Corticotroph Tumours an in vivo murine model”

11:45 Ms Janine Bijsterbosch [Psychiatry - Neuroscience]
PhD Student – 1st Year
“Contribution of the primary and supplementary motor cortices to sensorimotor synchronization: a TMS study”

12:00 Invited Speaker
Dr Bernard Corfe [Human Nutrition - Oncology]
Senior Lecturer
“Protein acetylation, transcription and cell death in the colon”

12:30 – 14:00 LUNCH & POSTER VIEWING
Session 3:  Chaired by Dr Chris Newman, Clinical Research Facility Director

14:00  Invited Speaker
Dr Andy Grierson [Neurology - Neuroscience]
Senior Lecturer
“Axonal transport in health and disease”

14:30  Miss Lisa Caldon [Surgical Oncology - Oncology]
Specialist Registrar in Surgery & Honorary Clinical Teacher
“Why do hospital mastectomy rates vary? A qualitative study of the decision-making journeys of women with breast cancer. The women’s perspective”

14:45  Miss Louise Docherty [Cardiovascular Research Unit - Cardiovascular Science]
PhD Student -2nd Year
“The role of Tribbles 2 in PI3K cascade regulation and Akt/PKB anti-apoptotic signalling cascade”

15:00  Dr Jay Laver [Infection & Immunity - Infection & Immunity]
Postdoctoral Research Associate
“Bacterial Nitric Oxide detoxification prevents host cell S-nitrosothiol formation: a novel mechanism of bacterial pathogenesis”

15:15  Mrs Lucksy Zacharias [Bone Biology - Human Metabolism]
Research Assistant / PhD Student 3rd Year
“Increased expression of CXCR4 receptor does not improve mesenchymal stem cell homing and engraftment to bone marrow”

15:30 – 16:00  COFFEE / TEA BREAK

Session 4:  Chaired by Prof Ian Peake, Professor of Molecular Medicine

16:00  Dr John Leeds [Gastroenterology & Liver Unit – STH NS Foundation Trust]
Honorary Clinical Lecturer
“Is there a relationship between exocrine pancreatic insufficiency and irritable bowel syndrome?”

16:15  Dr Ke Ning [Neurology – Neuroscience]
Lecturer
“Modulation of PTEN/mTOR signalling promotes axonal elongation in experimental models of motor neuron diseases”

16:30  Mr Thomasz Prajsnar [Respiratory Medicine - Infection & Immunity]
PhD Student - 3rd Year
“Zebrafish embryo as a novel model of Staphylococcus aureus infection”

16:45  Dr Heather Wilson [Cardiovascular Research Unit – Cardiovascular Science]
RCUK Academic Fellow
“Temporal IL-1β secretion from primary human peripheral blood monocytes by P2X7-independent and P2X7-dependent mechanisms”

17:00  Invited Speaker
Dr Eugene McCloskey [Bone Metabolism – Human Metabolism]
Reader in Adult Bone Disease
“Fraxing and nogging - Sheffield’s recent contributions to the global vocabulary”

17:30  Presentation of Prizes for Oral Presentations & Posters

Closing Remarks by Professor Robert Lechler & Professor Matthew Holley