14th Annual University of Sheffield Medical School Research Meeting
Thursday 14th – Friday 15th June 2018

PROGRAMME

Day 1 - Thursday 14th June 2018
“Career Inspiration for Researchers”

The Octagon Centre
09:00 – 11:00 Registration and poster presenters to hang posters

11:00 – 13:00 Themed Poster Tours, Sponsor stand visits & Lunch
Poster tours organised by Medicine Dentistry and Health Research Association (MDH RSA) & Medical Postgraduate Society (MPGS). Themes include;
- Gene Editing
- Microscopy
- Imaging
- Treatment Development
- Qualitative Research
- Clinical Biomarkers
- Preclinical Biomarkers
- Disease Mechanism

11:00 - 11:45 Poster Tour Round 1
11:45 onwards Lunch (for tour attendees and speakers) and Sponsor stand visits
12:00 - 12:45 Poster Tour Round 2

Student Union Auditorium
13:00 – 14:45 Presentations – Session 1
Chaired by Ellen Buckley & Danielle de Ridder

13:00 – 13:05 Welcome & Introduction

13:10 – 13:25 Clinical: Dr Ashley Cartwright, Clinical Scientist, Sheffield Children’s Hospital

13:10 – 13:25 Industry Research: Dr Vera Lukashchuk, Principal Scientist, Cobra Biologics Ltd

13:30 – 14:05 Research Support: Dr Rachel Blundred, Faculty of Natural Sciences Research Development Manager, Keele University

14:10 – 14:25 University Research: Dr Allan Lawrie, BHF Senior Basic Science Research Fellow, Department of Infection, Immunity & Cardiovascular Disease, University of Sheffield

14:25 – 14:45 Session 1 Panel Discussion

The Octagon Centre
14:45 – 15:15 Refreshments & Sponsor stand visits
**Student Union Auditorium**

15:15 – 17:00  Presentations – Session 2  
Chair by [Stephanie Shepheard & Lydia Castelli](#)

15:15 – 15:30  **Teaching:** Dr Joey Shepherd, Non-Clinical Lecturer, University of Sheffield

15:35 – 15:50  **Charity:** Dr Carolyn Aylott, Head of Research Awards and Translation at Arthritis Research UK

15:55 – 16:10  **Patents:** Dr Richards Wells, Senior Associate, Potter Clarkson LLP

16:15 – 16:30  **Science Communication:** Dr Caroline McGown, Scientific Director, Spirit Medical Communications

16:35 – 16:55  Session 2 Panel Discussion

16:55 – 17:00  Closing Remarks

**The Octagon Centre**

17:00 – 18:00  Wine reception & Poster Bay Tours
Day 2 - Friday 15th June 2018

The Octagon Centre
08:45 – 09:15 Registration for Oral & Poster Presenters

Student Union Auditorium
09:20 – 09:30 Welcome & Introduction
Professor Dame Pamela Shaw (Faculty of Medicine, Dentistry & Health Pro-Vice-Chancellor)

SESSION :1
09:30 – 10:50 Chaired by Professor Christopher McDermott (Department of Neuroscience)
Junior Co-Chaired by Ellen Buckley

09:30 – 09:50 Invited Inspirational Speaker
Dr Laura Ferraiuolo (Department of Neuroscience)
Lecturer in Translational Neurobiology

09:50 – 10:00 Ola Rominiyi (Department of Oncology & Metabolism)
PhD Student – 2nd Year
“Combined targeting of the DNA damage response to treat glioblastoma”

10:00 – 10:10 Jianhui Lin (Department of Infection, Immunity & Cardiovascular Disease)
PhD Student – 3rd Year
“Circulatory levels of microRNA-34a expression identify patients with poor clinical outcome, predict survival and regulate genes associated with pulmonary arterial hypertension”

10:10 – 10:20 Dr Edmund Rab (Specialised Clinical Chemistry, Sheffield Teaching Hospitals)
Senior Clinical Scientist and Higher Specialist Scientific Trainee
“An emerging role for fentanyl and fentanyl analogues in the United Kingdom”

10:20 – 10:30 Stavroula Louka (Department of Oncology & Metabolism)
PhD Student – 2nd Year
“Identification of human Flap Endonuclease-1 (huFEN1) inhibitors as potent drug candidates for the development of novel anti-cancer therapies”

10:30 – 10:40 Priyanka Anujan (Department of Infection, Immunity & Cardiovascular Disease)
Graduate Student – 4th Year
“Functional analysis of a novel protein, Pierce1, in motile ciliogenesis in mammalian airway epithelial cells and zebrafish embryos”

10:40 – 10:50 Chloe Allen (Department of Neuroscience)
PhD Student – 2nd Year
“Moving towards personalised medicine in ALS using patient-derived astrocytes”

The Octagon Centre
10:50 – 11:15 TEA & COFFEE BREAK
**Student Union Auditorium**

**SESSION 2:** Chaired by **Professor Allan Pacey** (Department of Oncology and Metabolism)
11:15 – 12:15 Junior Co-Chaired by **Lydia Castelli**

11:15 – 11:35 Invited Inspirational Speaker

**Dr Nasreen Akhtar** (Department of Oncology and Metabolism)
Thomas Berry and Simpson Fellow

**TITLE**

11:35 – 11:45 **Dr Simon Bell** (Department of Neuroscience)
PhD Student – 1st Year
“Ursodeoxycholic acid rescues mitochondrial function in fibroblasts from patients with either sporadic or familial Alzheimer’s Disease via Drp1 modulation”

11:45 – 11:55 **Munirah Ismail** (Department of Oncology & Metabolism)
PhD Student – 3rd Year
“DNA methylation analysis identifies profiles of cervical cancer cells DNA methylation associated with methyl donor nutrients depletion”

11:55 – 12:05 **Dr Ahmed Iqbal** (Department of Infection, Immunity & Cardiovascular Disease)
MRC Clinical Research Training Fellow
“Effects of hypoglycaemia and low-dose endotoxaemia on inflammatory responses in humans”

12:05 – 12:15 **Dr Matilde Sassani** (Department of Neuroscience)
PhD Student – 2nd Year
“Methodological considerations in establishing an in vivo 31P-MRS protocol to study bioenergetics in motor neurone disease”

12:15 – 13:15 **KEYNOTE LECTURE:** ‘Tissue-specific control of glucocorticoid action and its implications in degenerative disease’

**Professor Brian Walker** (Pro Vice Chancellor of Research Strategy & Resources and Chair of Medicine at Newcastle University)

**The Octagon Centre**

13:15 – 15:00 **LUNCH, POSTER VIEWING, STANDS & NETWORKING**
13:30 – 15:00 2nd Year Postgraduate Poster Presentation Assessment
13:00 – 14:15 Viewing of odd numbered posters
14:15 – 15:00 Viewing of even numbered posters
13:30 – 15:00 Moderated poster judging

**Student Union Auditorium**

**SESSION 3:** Chaired by **Professor Sheila Francis** (Department of Infection, Immunity & Cardiovascular Disease)
15:00 – 16:20 Junior Co-Chaired by **Danielle de Ridder**
15:00 – 15:10  **Dr Scott Allen** (Department of Neuroscience)
Senior Research Fellow

“Inosine supplementation bypasses adenosine deaminase deficiency in C9orf72 astrocytes increasing bioenergetic capacity and motor neurone survival”

15:10 – 15:20  **Anne Shresta** (Department of Oncology & Metabolism)
PhD Student – 2nd Year

“Quality of life versus Length of Life in elderly women with early breast cancer”

15:20 – 15:30  **Dr Rebecca Gosling** (Department of Infection, Immunity & Cardiovascular Disease)
PhD Student – 2nd Year

“Virtual coronary intervention: a treatment planning tool based upon the angiogram”

15:30 – 15:40  **Dr Claudia Tulotta** (Department of Oncology & Metabolism)
Postdoctoral Research Associate

“Tumour derived IL-1B induces breast cancer bone metastasis”

15:40 – 15:50  **Monika Myszczynska** (Department of Neuroscience)
PhD Student – 2nd Year

“Using Artificial Intelligence to Uncover Novel Drug Therapies and Targets for Amyotrophic Lateral Sclerosis (ALS)”

15:50 – 16:00  **Karishman Chhabria** (Department of Infection, Immunity & Cardiovascular Disease)
PhD Student – 3rd Year

“Sodium nitroprusside prevents glucose-induced impairment of cerebrovascular development and function in zebrafish”

16:00 – 16:20  Invited Inspirational Speaker

**Dr Victoria Ridger** (Department of Infection, Immunity & Cardiovascular Disease)
Senior Lecturer and Postgraduate Research Lead

**TITLE**

16:20 – 16:35  Presentation of Prizes

- NC3R’s Poster Prize – **Dr Helen Marriott**
- MPGS/MDH RSA Twitter Poster Prize – **Dr Nora Markus**
- Sponsor Stand Passport Prize – **Dr Adrian Higginbottom**
- Oral Presentation & Moderated Poster Prizes: Presented by **Professor Brian Walker & Professor Marysia Placzek**

16:35 – 16:45  Closing remarks – **Professor Chris Newman** (Professor of Clinical Cardiology, Department of Infection, Immunity & Cardiovascular Disease)