

Fluorescence Microscopy for Understanding Cell Biology in Health and Disease Programme

Tuesday 30th September 2014

Staff House Room 4/5 (M1 3AL near Piccadilly Train Station)

10:00am Registration and Refreshments

11:00am Welcome

SESSION I Chair: Dan Davis

11:15am PLENARY 1

Prof. Paul French – Imperial College London

Fluorescence lifetime imaging and metrology across the scales – from microscopy through high content analysis to clinic

12:00pm **Claus Bendtsen – Astra Zeneca**

Cell & tissue imaging at AstraZeneca – current use and future needs

12:30pm Lunch

SESSION II Chair: Mark Travis

1:30pm PLENARY 2

Prof. Ilan Davis – University of Oxford

Advanced fluorescence microscopy techniques applied to neural stem cell specification and synaptic plasticity.

2:15pm **Steve Bagley, Cancer Research UK**

Imaging in Biomarker Discovery

2:40pm **Anna Oszmiana – Dan Davis Lab**

Insights into spatial organization of Natural Killer cell paired receptors from super-resolution microscopy

3:00pm Tea/Coffee Break

SESSION III Chair: Tracy Hussell

3:30pm **Prof. Christoph Ballestrem, University of Manchester**

Exploring cell adhesion mechanisms using FRAP and photoactivation

3:50pm **Filipa Lopez – Dan Davis Lab**

High Resolution imaging of alveolar macrophage cell surface proteins

4:10pm PLENARY 3

Prof. Mike White – University of Manchester

Imaging of NF-kappaB Dynamics

4:55pm Dan Davis: Thank you and close