

10th Research Techniques Day

Date: Friday 16th January, 2015

Venue: Medical Sciences Teaching Centre (MSTC) Lecture Theatre, South Parks Rd,
Oxford.

9.25 am Introductory remarks: Marion H. Brown

Chair: Damien Warner

9.30 am Andrew Bassett. Pathology. Genome Engineering using “CRISPR”.

10.00 am Kinga Kamieniarz-Gdula. Pathology. “Next Generation Sequencing strategies: a beginner’s guide to ChIP-seq and RNA-seq”.

10.30 am Tea/coffee

Chair: Helder Carmen

11.00 am Roman Fischer. Nuffield Department of Medicine. "Using Mass Spectrometry for proteome and metabolome analysis in basic and clinical science"

11.30 am Simon Newstead. Biochemistry. “Membrane protein crystallography in Biochemistry: revealing new ways of thinking about transport across the membrane.”

12.00 am Paul Brennan. Nuffield Department of Medicine. “Drug discovery at the Target Discovery Institute”.

12.30 pm Lunch will be provided

Chair: Metta Pratt

1.30 pm Sonja Contera. Physics. “Atomic Force Microscopy and nanotechnology in biomedicine”.

2.00 pm Ian Dobbie. Biochemistry. “Advanced Light Microscopy”.

2.30 pm Errin Johnson. Pathology. “2D & 3D electron microscopy techniques for biomedical research”.

3.00 pm Tea/coffee

3.30-4.15pm Screening of a play about the Oxford crystallographer, Dorothy Hodgkin who won the Nobel Prize, “Hidden Glory” by Georgina Ferry.