

Seeing the Wood for the Trees in Structural Biology

Monday 19th December 2016, Birkbeck College London

10.00 - 11.00 am. Registration and refreshments.

Session I. 11.00 – 12.45 pm. Lecture Theatre B34. Chair: Dr Mark Roe (Sussex).

11.00 - 11.30 am. Prof Tom Blundell FRS, University of Cambridge. "Increasing complexity to obtain selectivity in cell regulation: structural studies of multiprotein signalling systems."

11.30 - 12.00 pm. Prof Garry Taylor, University of St Andrews. "An engineered multivalent sialic acid binding biologic as a preventative of influenza."

12.00 - 12.30 pm. Prof Helen Saibil FRS, Birkbeck. "Protein aggregation, chaperones and disaggregation."

12.30 - 12.45 pm. Patrick Shaw-Stewart, Douglas Instruments Ltd. "Microseed matrix-screening (rMMS): introduction, theory, practice and a new technique for membrane protein crystallization in LCP."

12.45 - 14.00 pm. Lunch, posters and exhibition (rooms B02, B04).

Session II. 14.00 - 15.45 pm. Lecture Theatre B34. Chair: Prof Vilmos Fulop (Warwick).

14.00 - 14.30 pm. Prof Liz Carpenter, Structural Genomics Consortium (Oxford). "Structures of human ion channels, TREKs and TRPs, by X-ray, xFEL and cryoEM."

14.30 - 15.00 pm. Prof Laurence Pearl FRS, University of Sussex. "Phosphorylation dependent assembly of the DNA Damage Response."

15.00 - 15.30 pm. Prof Neil McDonald, Francis Crick Institute and Birkbeck. "Dissecting and exploiting RET receptor tyrosine kinase signalling."

15.30 - 15.45 pm. Dr Marcus Winter. "Rigaku Oxford Diffraction: Advances in Crystallography."

15.45 - 16.10 pm. Coffee break (sponsored by Bruker) with posters and exhibition (B02, B04).

Session III. 16.10 - 17.00 pm. Lecture Theatre B34. Chair: Dr Kate Brown (Cambridge).

16.10 - 16.35 pm. Prof Jonas Emsley, University of Nottingham. "Investigation of the contact system assembly and activation."

16.35 - 17.00 pm. Dr Simon Kolstoe, University of Portsmouth. "Determining the molecular interactions of serum amyloid P component."

17.00 - 18.00 pm. Drinks reception (B04).

18.00 pm. Depart and speakers dinner.

We are very grateful to the following meeting sponsors: Bruker, Douglas Instruments, Jena Bioscience, Molecular Dimensions, Molecular Models, Oxford Cryosystems, Rigaku Oxford Diffraction & UCL Centre for Amyloidosis and Acute Phase Proteins.