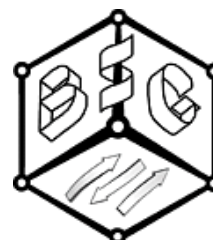


BRITISH CRYSTALLOGRAPHIC ASSOCIATION

BIOLOGICAL STRUCTURES GROUP WINTER MEETING



'PATHOLOGICAL PROTEINS'

FRIDAY 18th DECEMBER 2009

ROYAL FREE HOSPITAL / UCL MEDICAL SCHOOL

LONDON

Registration is via: www.crystallography.org.uk

We are grateful to the following companies who have generously sponsored the meeting:



Meeting schedule

10.00 - 11.00 am. **Registration** and refreshments (Atrium lecture theatre).

Session I. 11.00 – 12.45 pm. Chair: Jon Cooper (UCL Medical School).

11.00 - 11.05 am. Opening address by the BCA president, Prof. Elspeth Garman (Oxford).

Retroviruses.

11.05 – 11.35 am. Dr Leo James, MRC Laboratory of Molecular Biology, Cambridge. ‘Cyclophilin A: HIV co-factor or antiviral?’

11.35 - 12.05 pm. Dr Ian Taylor, National Institute of Medical Research, Mill Hill, London. ‘The retroviral capsid and restriction factors.’

Neurological disorders.

12.05 – 12.35 pm. Prof. Salam Al-Karadaghi, Department of Molecular Biophysics, University of Lund, Sweden. ‘Insights into the molecular mechanism of Friedreich's ataxia from X-ray crystallography and electron microscopy studies of frataxin.’

12.35 – 12.45 pm. **BSG Annual General Meeting.**

12.45 - 2.00 pm. **Conference lunch with exhibition and posters.**

Session II. 2.00 – 3.30 pm. Chair: Dr Karen Bunting, University of Nottingham.

Bacterial pathogens.

2.00 – 2.30 pm. Prof Gabriel Waksman, ISMB, Birkbeck / UCL. ‘Structural Biology of Type IV Secretion Systems.’

2.30 pm - 3.00 pm. Dr Arefeh Seyedarabi, School of Biological and Chemical Sciences, Queen Mary, University of London. 'Structural and functional studies of IpaH9.8 from *Shigella flexneri*'.

3.00 pm - 3.30 pm. Dr Kate Brown, Department of Life Sciences, Imperial College London. 'Scraping the surface of *C. difficile*: structural characterisation of SLPs and toxin B.'

3.30 - 4.00 pm. **Coffee / Tea Break.**

Session III. 4.00 – 5.30 pm. Chair: Dr Darren Thompson, University of Sussex.

Pathological proteins.

4.00 pm - 4.30 pm. Dr Carien Dekker, The Institute of Cancer Research, London. 'The crystal structure of the eukaryotic chaperonin CCT.'

4.30 - 5.00 pm. Dr Simon Kolstoe, UCL Department of Medicine (Royal Free Campus). ‘Targeting transthyretin - X-ray crystallography and rational drug design.’

Thrombosis.

5.00 – 5.30 pm. Dr Paul McEwan, Centre for Biomolecular Science, University of Nottingham. 'Loosening the grip on von Willebrand factor by breaking the thumb of GPib.'

5.30 Depart.