

Biological Structures Group Winter BCA Meeting

14 DECEMBER 2011

DIAMOND HOUSE - ROOM G53/54

Programme

10:00 - 11:00 Registration and refreshments in Diamond House Atrium

Session I

Chair: Alex Cameron

11:00 - 11:10 Opening remarks by John McGeehan on behalf of the BCA president

11:10 - 11:40 **Gabriel Waksman** (UCL/Birkbeck). "Fiber formation at the outer membrane of Gram-negative bacterial pathogens"

11:40 - 12:10 **Colin Kleantus** (York). "Protein-mediated transmembrane signaling through bacterial porins"

12:10 - 12:40 **Leo Sazanov** (MRC Cambridge). "Structure and mechanism of respiratory complex I"

12:40 - 1:40 Lunch in Diamond House Atrium

Session II

Chair: Simon Phillips

1:40 - 2:10 **Rick Lewis** (Newcastle). "The regulation of cyclic di-GMP biosynthesis by stressosomes"

2:10 - 2:40 **Helen Walden** (CRUK). "Structural insights into the catalytic heart of the Fanconi Anemia DNA repair pathway"

2:40 - 3:10 **Peter Cherepanov** (Imperial). "The mechanism of HIV integration and its inhibition by strand transfer inhibitors: lessons from X-ray crystallography studies using a convenient model system"

3:10 - 3:40 Tea and coffee in Diamond House Atrium

Session III

Chair: Kostas Beis

3:40 - 4:10 **Chang-jiang Dong** (St Andrews). "Lassa fever nucleoprotein structure reveals unique mechanisms in immune suppression and transcription"

4:10 - 4:40 **Phil Kerry** (St Andrews). "Structural insights into influenza virus NS1 function: self regulation and host interactions"

4:40 - 5:10 **Dave Stuart** (Oxford) "Structural vaccinology applied to picornaviruses"