

“The Joy and Pain of Structural Biology Research”
Monday December 18th, 2017
Pippard Lecture Theatre
Cavendish Laboratory, University of Cambridge

9:00 – 10:30	Registration and coffee/tea
10:30	Welcome
10:40	Professor Malcolm Longair, Cavendish Laboratory University of Cambridge “Decline and Regeneration: the Cavendish Laboratory 1932 to 1953 and the Development of Molecular Biology”
11:15	Professor Judith Howard, Department of Chemistry Durham University “Early diffraction experiment at low temperature - with reference to a PRS paper on unstable Pt species”
11:40	Sir Tom Blundell, Department of Biochemistry University of Cambridge "Joy and Pain in Nature and Science: Structural biology of DNA-PK and DNA Double-strand-break Repair"
12:15-1:30	Lunch
1:30	Professor Randy Read, Department of Haematology University of Cambridge "The road to <i>ab initio</i> phasing by molecular replacement"
2:05	Dr. Pamela Williams, Astex Pharmaceuticals, Cambridge “Crystal structure of human cytochrome P450 2C9 with bound warfarin”
2:40	Dr. Ben Bax, York Structural Biology Laboratory “Structural studies in support of the development of new antibiotics targeting DNA gyrase and the development of oligonucleotide topoisomerase inhibitors (OTIs)”
3:15 – 4:00	Tea/coffee
4:00	Professor Janet Thornton, European Bioinformatics Institute, Hinxton “Of Exploration and Errors - PROCHECK - an 'accidental' paper”
4:35	Dr. Richard Henderson, MRC Laboratory of Molecular Biology, Cambridge “The struggle to get high resolution phases for 2D crystals of bacteriorhodopsin - pain, joy, more pain, more joy”
5:10	Closing Remarks
5:15	Reception