



ISMB SEMINAR SERIES – SPRING 2012

Electron and Proton Transfer Enzymes: Structures, Mechanisms and Methods

Co-ordinators: Prof Peter Rich and Dr Chris Kay – Division of Biosciences, Faculty of Life Sciences, UCL

Time and venue: 1pm – 2pm, Biochemistry Lecture Theatre, Darwin Building, UCL, Gower Street WC1E 6BT

<i>11th January</i>	Transcriptional Regulation by Phosphorylation of the C-Terminal Domain of RNA Pol II Prof Matthias Geyer, Max Planck Institute for Molecular Physiology Host: Dr Finn Werner
<i>18th January</i>	Mitochondrial Complex I: What Do We Know About the Mechanisms of Energy Transduction and Reactive Oxygen Species Production? Dr Judy Hirst, MRC Mitochondrial Biology Unit, Cambridge Host: Prof Peter Rich
<i>25th January</i>	Transmembrane Signaling and Transport: Membrane Protein Dynamics Studied by Site-Directed Spin Labeling EPR Prof Heinz-Jürgen Steinhoff, Department of Physics, University of Osnabrück Host: Dr Chris Kay
<i>1st February</i>	Expanding the Central Dogma Dr Phil Holliger, Laboratory of Molecular Biology, University of Cambridge Host: Dr Mark Williams
<i>8th February</i>	Very Long-Range, Distance and Orientation Measurements by PELDOR/DEER in Deuterated Proteins Dr David Norman, College of Life Sciences, University of Dundee Host: Dr Chris Kay
<i>15th February</i>	Revealing how Nature uses Sunlight to Split Water Prof James Barber FRS, Division of Molecular BioSciences, Imperial College London Host: Prof Peter Rich
<i>22nd February</i>	How Does Heme Catalyse Oxidation of Tryptophan? Prof Emma Raven, Department of Biological Chemistry, University of Leicester Host: Prof Peter Rich
<i>29th February</i>	Electron Transfer in NO Synthase Simon Daff, Lecturer in Bioinorganic Chemistry, School of Chemistry, University of Edinburgh Host: Dr Chris Kay



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<i>7th March</i>	Domain Interactions and Domain Refolding of NUS Factors Regulate Transcription in <i>E. coli</i> Paul Roesch, University of Bayreuth, Department of Biopolymers Host: Dr Finn Werner
<i>14th March</i>	Elucidation of Structure-Function Relationships in Light-Responsive Proteins: Contributions from and Limitations of X-ray Crystallography Dr Norbert Krauss, School of Biological and Chemical Sciences, Queen Mary, University of London Host: Dr Chris Kay
<i>21st March</i>	Regulating Electron Transfer in a Membrane Environment Julea Butt, Professor of Biophysical Chemistry, University of East Anglia Host: Prof Peter Rich

