

Fraser Armstrong's Pt Jubilee

A Meeting of Minds, Mechanisms and Memories

22nd-23rd August, 2024

St Johns College, Oxford

Thursday 22nd August 2024

Registration, Lunch and Symposium Photograph

12:00 to 12:50	Arrival, registration and lunch in Garden Quad Reception Room
12:50 to 13:00	Photo in Garden / Garden Quad auditorium, weather dependent

Session 1: Garden Quad Auditorium

13:00 to 13:30	Professor Fraser Armstrong Welcome and Opening Remarks
13:30 to 13:45	Professor Julea Butt, University of East Anglia Wired for Life
13:45 to 14:00	Professor Judy Hirst, University of Cambridge High-resolution structures of respiratory complex I in energy-transducing membranes by single-particle cryoEM
14:00 to 14:15	Professor Anne Jones, Arizona State University Supramolecular Assembly of Redox Proteins into Nanowires
14:15 to 14:30	Dr Christophe Léger, Directeur de Recherche for the Laboratoire de Bioénergétique et Ingénierie des Protéine, Marseille Changing the apparent properties of hydrogenase by embedding them in redox polymer films

Break: Garden Quad Reception Room

14:30 to 15:30	Coffee / tea and biscuits
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Session 2: Garden Quad Auditorium

15:30 to 15:45	Professor Sean Elliott, Boston University The critical role of redox carriers in low-potential biological reductions: a ferredoxin story
15:45 to 16:00	Professor Lars Jeuken, Leiden University Redox regulation of activity of <i>Mycobacterium tuberculosis</i> cytochrome bd
16:00 to 16:15	Professor Kevin Hoke, Berry College Ligand exchange rates in cytochrome c revealed through cyclic voltammetry
16:15 to 16:30	Professor Kylie Vincent, University of Oxford Combining structures, electrochemistry and spectroscopy: new angles on hydrogenase mechanism
16:30 to 16:45	Professor Alison Parkin, University of York Fourier transform bioelectrochemistry
16:45 to 17:00	Dr Maxie Roessler, Imperial College London Tracking unpaired electrons in redox reactions

Celebration Dinner

18:00 to 19:00	Pre-dinner drinks in Canterbury Quad / Garden Quad Reception Room, weather dependent
19:00 to 21:30-ish	St Johns Dining Hall

Friday 23rd August 2024

Session 3: Garden Quad Auditorium

09:00 to 09:15	Michael Lukey, Cold Spring Harbour Laboratory, New York Targeting glutamine metabolism for breast cancer therapy
09:15 to 09:30	Dr Bonnie Murphy, Max Planck Institute of Biophysics in Frankfurt Snapshots of anaerobic CO ₂ fixation
09:30 to 09:45	Dr Chris Blanford, University of Manchester Automated detection of airborne fungal pathogens using biomimetic materials
09:45 to 10:00	Dr Rhiannon Evans, Head of Molecular Biology and Enzyme Production, HydRegen Ltd From hydrogenase mechanisms to hydrogenase applications

Break: Garden Quad Reception Room

10:00 to 10:30	Coffee / tea and biscuits
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Session 4: Garden Quad Auditorium

10:30 to 10:45	Dr Vincent Wang, National Sun Yat-Sen University Understanding multi-electron and multi-step electrocatalysis: from a metal complex to a metal complex containing 3D framework
10:45 to 11:00	Dr Kourosh Ebrahimi, King's College London Fraser's Lab, the kick-start of my journey into the world of bioinorganic immunology
11:00 to 11:15	Dr Bhavin Siritanaratkul, University of Liverpool Beyond the Catalyst: Designing Electrolyzers and Processes for CO ₂ Reduction
11:15 to 11:30	Dr Clare Megarity, University of Manchester Electrochemical Control of Jam-packed Enzyme Cascades
11:30 to 11:45	Professor Liyun Zhang, Nankai University Biological Synthesis and Sensing at the Photoelectric Interface
11:45 to 12:00	Organising Committee: Dr Clare Megarity, Dr Rhiannon Evans and Prof. Alison Parkin Closing remarks