BIOCHEMICAL SOCIETY

THE HARDEN CONFERENCES

79TH HARDEN CONFERENCE:

Oxygen Evolution and Reduction – Common Principles

16–20 April 2016
Grauer Bär, Innsbruck, Austria

The underlying redox chemistry of oxygen/water interconversion is complex, and the enzymes involved in this (the oxygen evolving complex of photosystem II and cytochrome oxidase and related respiratory oxidases) have evolved unique mechanisms whose performance is unmatched with bio(mimetic) chemical systems. The structure and mechanisms involved are common between the enzymes, but they are rarely discussed comparatively. This meeting is designed to bring together such expertise.

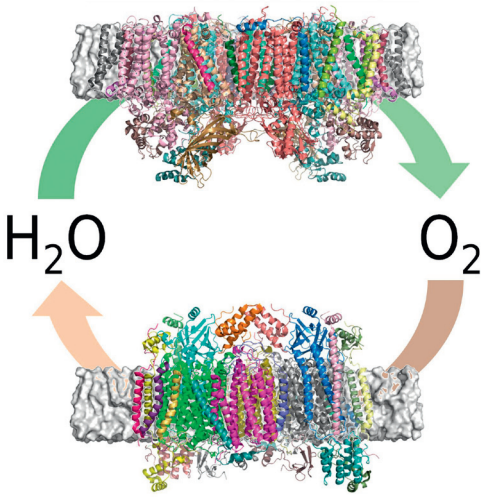

Image kindly supplied by Amandine Maréchal (University College London, UK) – refers to image of proteins

Topics include:

- Atomic structures of the oxygen evolving photosystem II
- Atomic structures of cytochrome c oxidase and related oxidases
- Reaction cycle mechanisms of oxygen evolution and oxygen reduction
- Spectroscopic and computational methods to study mechanisms

Organizers:

Peter Rich (University College London, UK)
Gary Brudvig (Yale University, USA)
Fraser MacMillan (University of East Anglia, UK)
Amandine Maréchal (University College London, UK)

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Abstract and Earlybird Deadline

22 January 2016