

Registration

Registration will open online in January 2010. Accommodation is not included in the registration fee; this should be booked directly at the University of Nottingham. Please see the website for further details.

Financial support is available for students and recent graduates. The bursary application form will be available when registration opens.

Venue

The meeting will be held at the Pope Building at the University of Nottingham. En-suite halls of residence accommodation will be available for delegates to book directly with the University.

Networking

Faraday Discussions provide excellent opportunities for interaction with other delegates. Networking will take place through an interactive poster session and the conference dinner which will include the traditional Faraday Loving Cup ceremony.

Faraday Discussion Volume

The Faraday Discussion Volume documents the unique series of discussion meetings. The papers presented at the meeting are published in the Faraday Discussion Volume together with a record of the discussion contributions made at the meeting. Faraday Discussions therefore provide an important record of current international knowledge and views in the field concerned.

The latest ISI citation data give an impact factor for Faraday Discussions of 4.60, emphasising their importance as a forum for developing exciting new ideas.

Sponsoring Faraday Discussion 148

Sponsorship and exhibition opportunities available at this meeting include table-top exhibitions, sponsorship of social events and advertisements in the book of abstracts. Please contact RSC Conferences for details.

Further Information

The programme and registration booking link will be available at the start of 2010. All enquiries concerning any aspect of FD148 should be addressed to RSC Conferences.

Images courtesy of Jeremy Harvey, University of Bristol, UK

**Royal Society of Chemistry
Conferences**

Registered Charity Number: 207890

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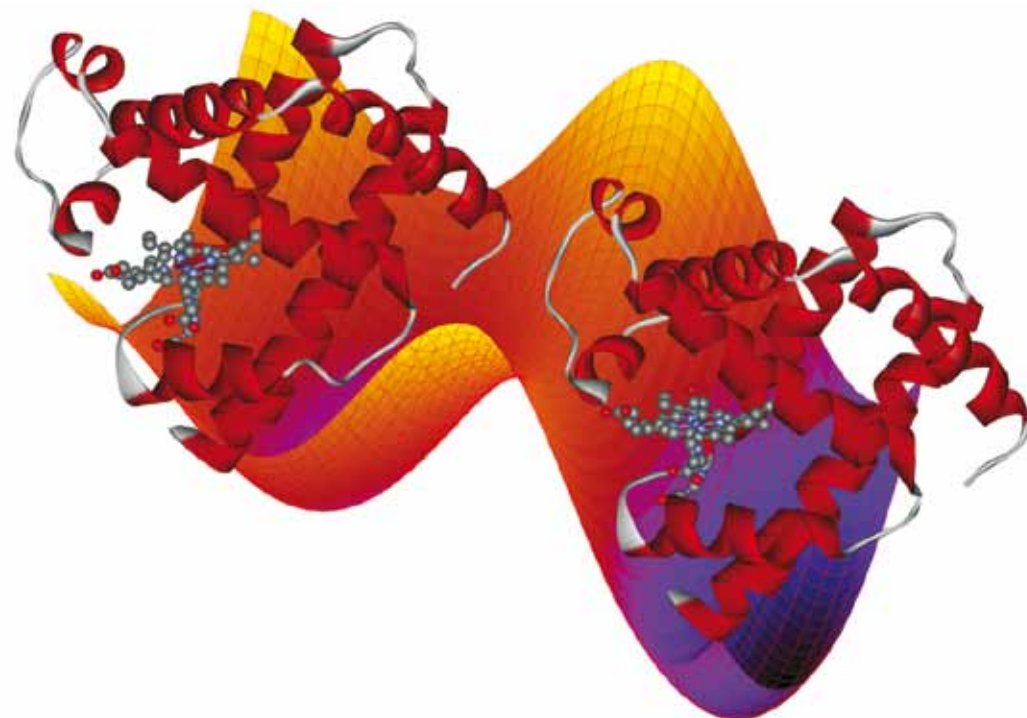
FARADAY DIVISION

Faraday Discussion 148:

Spectroscopy, Theory and Mechanism in Bioinorganic Chemistry

5 – 7 July 2010

University of Nottingham, UK



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www.rsc.org/FD148

Metal centres play a very important role in many biological systems, and especially in the reactivity of proteins and enzymes. The biochemistry of metalloproteins is determined to a large degree by the fundamental chemical properties of the metal centre. A wide range of powerful spectroscopic methods can provide direct insight into these chemical properties. Modern computational methods, especially density functional theory, are able to provide a detailed description of the metal centres, their properties, and their reactivity.

This meeting will be aimed at exploring the key challenges in understanding the biological chemistry of metals. State of the art work will be presented using advanced physical and computational methods to probe the geometric and electronic structure and the reactivity at the active sites of metalloenzymes.

Themes

- **Copper chemistry:** redox behaviour, oxygen binding, multi-copper centres, catalysis and mechanisms
- **Haem and non-haem iron, and other metal centres**
- **Insight from advanced spectroscopic methods, including time-resolved structural studies**
- **Reaction mechanisms: what do we learn from computation and spectroscopy?**
- **Computational techniques: DFT, QM/MM, MD, and others...**

Aims

Faraday Discussion 148, organised by the Faraday Division, aims to bring together spectroscopists and theoretical chemists with a wide range of other scientists, notably biochemists and coordination chemists, to encourage development and application of physical methods and computational chemistry. We expect that attendance at this Faraday Discussion would provide substantial benefits to both experimentalists and theoreticians working in the field.

Scientific Committee

Jeremy Harvey (Chair)
University of Bristol, UK

Jonathan McMaster
University of Nottingham, UK

Julea Butt
University of East Anglia, UK

Robert Deeth
University of Warwick, UK

Andrew Thomson FRS
University of East Anglia, UK

Invited Speakers

Ed Solomon (Introductory)
Stanford University, USA

Les Dutton (Closing)
University of Pennsylvania, USA

Gerard Canters
University of Leiden, The Netherlands

Peng Chen
Cornell University, USA

Fraser MacMillan
University of East Anglia, UK

Frank Neese
University of Bonn, Germany

Arwen Pearson
University of Leeds, UK

Per Siegbahn
University of Stockholm, Sweden

Walter Thiel
Max Planck Institute, Mülheim, Germany

Key deadlines

Abstracts for oral presentation

25 September 2009

Submission of full papers

5 March 2010

Abstracts for poster presentation

7 May 2010

Early bird registration

7 May 2010

Standard registration

4 June 2010

Call for Papers

Offers of papers within any of the themes of the meeting are now invited. Deadlines are listed on this page.

Abstracts for both oral and poster presentations should be sent by email attachment to RSC Conferences (conferences@rsc.org) with the following subject header: 'FD148 abstract'. The abstracts should be no longer than one A4 page in portrait layout.

Please include your full address and contact details in the email and indicate whether you are submitting an abstract for oral or poster presentation.

How it Works

The Scientific Committee will select contributed papers to complement the invited presentations on the basis of the abstracts received. The authors will then be asked to submit their work as a full paper, which will form the basis of their short presentation at the meeting. The paper itself must contain new, unpublished work and be submitted by 5 March 2010.

The papers selected for presentation and discussion will be refereed and then sent to all participants as preprints.

Preprints will be issued four weeks in advance of the meeting. The Discussion will be conducted on the assumption that the papers have been read in advance. Hence, each contributor is allowed five minutes of their allocated time slot for a formal presentation with the rest devoted to discussion, a record of which will be submitted for publication in the Faraday Discussion Volume which will be published by the RSC approximately six months after the meeting.