

**Redox chemistry and secondary
structure control in macrocyclic Pacman
complexes**

Dr. Jason Love

University of Edinburgh (United Kingdom)

Friday 15th July, 2011. ICIQ Auditorium, 12 p.m.

Professional career



1985-89: BSc(Hons) in Applied Chemistry, University of Salford, UK

1989-93: PhD in Chemistry, University of Salford with Prof. John Spencer
"Heterobimetallic polyhydride and alkyl polyhydride complexes of rhenium"

1993-5: Postdoctoral Fellow with Prof. Geoff Cloke, University of Sussex, UK

1995-7: Postdoctoral Fellow with Prof. Mike Fryzuk, University of British Columbia,
Canada

1997-8: Postdoctoral Fellow with Prof. Geoff Cloke, University of Sussex, UK

1998-9: Postdoctoral Fellow with Prof. Martin Schröder, University of Nottingham, UK

1999-2001: Lecturer and Royal Society University Research Fellow, University of Sussex

2001-2007: Lecturer and Royal Society University Research Fellow, University of
Nottingham

2007-2010: Senior Lecturer, University of Edinburgh

2010 to date: Reader, University of Edinburgh

Research Interests

His group carries out exploratory synthetic inorganic chemistry to make molecular metal compounds that provide new and sustainable chemical reactivity and offer fundamental insight into how metal compounds assemble and interact with substrates.

At present they are developing several, inter-related research themes that focus on: the chemistry of the uranyl dication and the f-elements; small molecule redox catalysis related to sustainable energy generation and exploitation; the design of new multidentate ligands and macrocycles; the spontaneous assembly and reactivity of supramolecular systems; and the design of reagents for precious and radioactive metal extraction and remediation.