MOLECULAR FRONTIERS SYMPOSIUM 2010

Alternative Energy & Molecules

June 3

9.00 Opening of Symposium by the Secretary General Gunnar Öquist
9.10 Using Light to Activate Molecules on Surfaces - Marye Anne Fox, UCSD
10.00 Coffee break
10.30 Ultrafast photoinduced electron transfer as a route to high efficiency solar cells - Alan Heeger, UCSB
11.20 Semi-conducting polymers as basis of organic solar cells - Richard Friend, Cambridge
12.10 Lunch break
13.30 Announcement of the 2010 winners of Molecular Frontiers Inquiry Prize
Open discussion about future prospects of Molecular Frontiers.
14.20 Energy and photosynthesis: natural and artificial capture and conversion of sunlight for production of solar fuels - Nathan Lewis, Caltech
15.10 Coffee break
15.40 Energy and photosynthesis: catalysts for production of hydrogen - Daniel Nocera MIT
16.30 Beyond Oil and Gas: The Methanol Economy by Recycling of Carbon Dioxide - Surya Prakash, UCS

June 4

9.00 Water splitting: Learning from Nature - James Barber, Imperial College
9.50 New materials for organic solar cells - Tobin Marks, Northwestern Univ.
10.40 Impact of Nanotechnology on Alternative Energy - Paul Alivisatos, Berkeley
11.30 Novel energy attributes of graphene and carbon nanotubes - C.N.R. Rao, Jawaharlal Nehru Centre
12.10 Lunch break
13.30 Youth Forum
14.50 Coffee break
15.10 Panel Discussion
16.00 End of symposium

Registration now open at www.kva.se
For more information, contact helena.ledmyr@kva.se