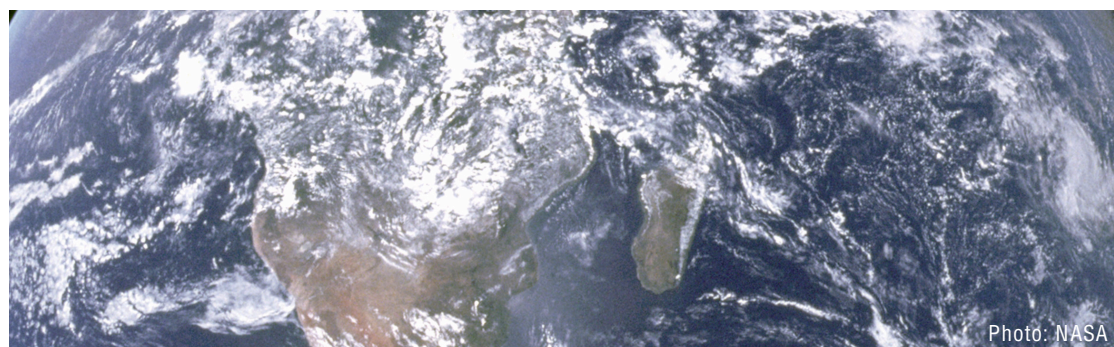


Molecular Frontiers Symposium and Youth Forum

How chemical cycles shape our planet – the global challenge

Date: 29–30 May 2012**Venue:** The Beijer Hall, The Royal Swedish Academy of Sciences, Lilla Frescativägen 4A, Stockholm, Sweden**Tuesday 29 May****09:00 Opening address**

Barbara Cannon

President Elect of the Royal Swedish Academy of Sciences

Bengt Nordén

Chairman of the Molecular Frontiers Foundation

09:10 Myths and facts of a converging world

Hans Rosling

Karolinska Institutet, Sweden

10:00 Coffee break**10:20 Can selective catalysts deliver clean technology and sustainability?**

Sir John Meurig Thomas

Cambridge University, UK

11:10 A multidimensional index of greenness, with the entropy added to the universe as only one parameter

Roald Hoffmann

Nobel Laureate in chemistry 1981

12:00 Lunch (on your own)**13:10 Cooperation for sustainable development in the changing world**

Chunli Bai

President of the Chinese Academy of Sciences

14:00 Biological design by evolution

Frances Arnold

California Institute of Technology, CA, USA

14:50 Coffee break**15:10 Nanoscience – potentials and threats**

Paul Alivisatos

Head of Lawrence Berkely Laboratory, CA, USA

16:00 General discussion, youth forum & announcement of Molecular Frontiers Inquiry

Prize Winners

Moderator: Richard Zare, Stanford University, CA, USA

Wednesday 30 May

- 09:10 The climate change crisis - its solution must also involve changing people's behaviour through global education**
Harry Kroto
Nobel Laureate in chemistry 1996
- 09:40 Coffee break**
- 10:10 Synthetic biology towards biofuels**
Jay D Keasling
The Joint BioEnergy Institute, Berkeley, CA, USA
- 11:00 Climate forecast -why and how? The most pressing problems**
Jim Anderson
Harvard University, MA, USA
- 11:50 Lunch (on your own)**
- 13:10 Panel Discussion: The Global Challenge**
Moderator: Richard Zare, Stanford University, CA, USA
- 15:00 Coffee break**
- 15:20 Concluding talk and discussion**
- 16.15 End of symposium**

The symposium is free of charge and open to the public but registration is required for all participants. Register at <http://kva.se> > Events > Molecular Frontiers Symposium.

