

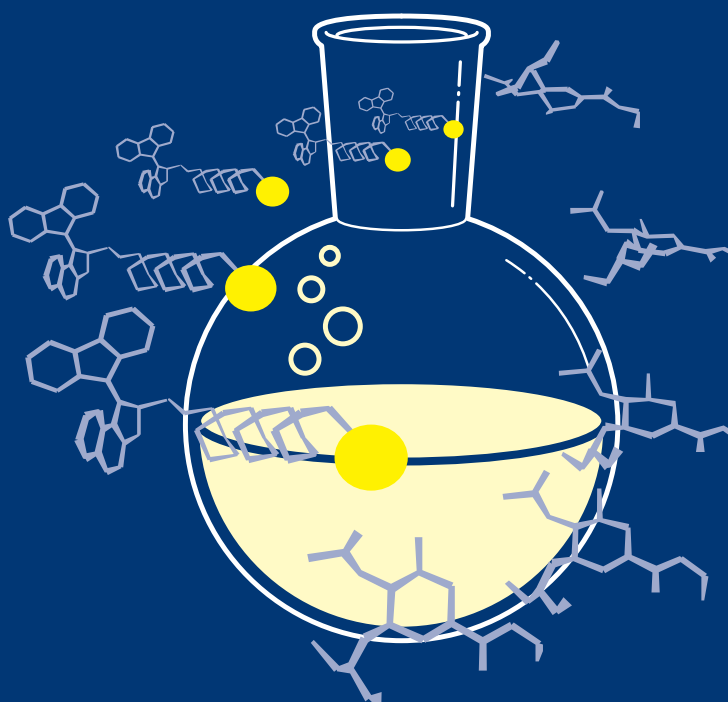
Visions in chemistry

*The Knud Lind Larsen Symposium
Radisson SAS Falconer Hotel
Copenhagen 29 - 30 January 2010*

Final Programme



The Knud Lind Larsen
Programme
Danish Academy of
Technical Sciences



Symposium theme

Chemistry plays a central role in the field of natural sciences, with interfaces to biology, medicine, physics and materials science. Advances in the theory of structure and bonding and the understanding of reaction mechanism, coupled with methodological developments in chemical synthesis (both organic and inorganic) now allow the design and preparation of new chemical entities which impact beneficially on the health and welfare of society. It is today possible, via an interdisciplinary approach, to probe and understand complex natural phenomena

and describe them in the stringent molecular language of chemistry.

All the invited speakers are representative of the state of the art in diverse areas of the field such as theoretical chemistry, materials and nanoscience, medicinal chemistry, catalysis and target-oriented organic synthesis. The conference will therefore appeal to a broad audience and will highlight both the challenges which modern chemistry faces and the opportunities which it provides.

Visions in chemistry

Friday, 29 January 2010

8.30 Registration and coffee

9.00 Symposium opening and welcome

Divisional Director Klaus Bæk Simonsen, H. Lundbeck A/S, Denmark
Chairman, the symposium organizing committee

Session 1

Session Chairman, Professor David Tanner, Technical University of Denmark

No more stoichiometric reactions - catalysis rules - and you better find out how it works! (*Quotation Roald Hoffmann*)

Professor Karl Anker Jørgensen, Aarhus University, Denmark

Case studies in catalysis-based natural product synthesis

Professor, Alois Fürstner, Max-Planck-Institut für Kohlenforschung, Germany

Coffee and tea break

11.20 The Knud Lind Larsen Prize 2010

Awarding of the prize

Lecture by prize winner

12.00 Lunch

13.20 Session 2

Session Chairman, Professor Mikael Begtrup, University of Copenhagen, Denmark

'Green' visions of chemistry and material science

Professor Morten Meldal, Carlsberg Laboratory, Denmark

Protein glycosylation: Pathways and processes

Professor Barbara Imperiali, Massachusetts Institute of Technology, USA

Coffee and tea break

Aiming for the ideal synthesis

Professor Phil Baran, The Scripps Research Institute, USA

The chemical imagination at work in very tight places

Professor Roald Hoffmann, Cornell University, USA

18.30 Symposium dinner

Saturday, 30 January 2010

09.00 Session 3

Session Chairman, Divisional Director Klaus Bæk Simonsen, Lundbeck A/S, Denmark

Natural products as leads for small molecule drug discovery: The discovery of thrombin receptor antagonists based on the natural product himbacine

Dr. William Greenlee, Schering-Plough Research Institute, USA

A yoctoliter-scale DNA reactor for small-molecule evolution

Dr. Nils Jakob Vest Hansen, Vipergen ApS, Denmark

Coffee and tea break

The rise of fragment-based drug discovery

Professor David Rees, Astex Therapeutics Ltd, United Kingdom

11.50 The Torkil Holm Prize 2010

Awarding of the prize

Lecture by prize winner

12.30 Lunch

13.50 Session 4

Session Chairman, Professor Ole Hindsgaul, Carlsberg Laboratory, Denmark

Recent advances in total synthesis

Professor K.C. Nicolaou, The Scripps Research Institute, USA

Title: TBC

Professor George M. Whitesides, Harvard University, USA

15.45 Symposium closing

Klaus Bæk Simonsen

Details

Time

29 - 30 January 2010

Friday, 29 January: 8.30 - approx. 21 (incl. dinner)

Saturday, 30 January: 9.00 - 17.00

Venue

Radisson SAS Falconer Hotel

Falkoner Allé 9, DK-2000 Frederiksberg

Copenhagen, Denmark

Tel. +45 3815 8001

www.radissonsas.com

Registration

Please use the online registration at

www.atv.dk | English.

Deadline for registration 8 January 2010.

Participation fee

Includes coffee, tea, lunches and symposium dinner

Ordinary participants: DKK 2,900

Graduate students: DKK 1,000

All prices are excl. 25% VAT.

Payment

Invoice and confirmation will be forwarded upon receipt of registration. If cancellation is received later than the 11 January 2010 the participation fee cannot be refunded.

Accommodation

Arranged individually by the participants.

Symposium secretariat

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Organisation

This symposium is the sixth in the number of special events within the field of chemistry, organised by the Danish Academy of Technical Sciences. This has been made possible thanks to a donation from the late Mr. Knud Lind Larsen, a former member of the Academy and a distinguished member of the organic chemistry team at the company Danisco.

Scientific organizing committee

Divisional Director Klaus B. Simonsen (Chairman)

H. Lundbeck A/S

Professor Ole Hindsgaul

Carlsberg Laboratory

Professor Mikael Begtrup

University of Copenhagen

Professor Klaus Bock

Chairman of ATV

Professor David Tanner

Technical University of Denmark

The Knud Lind Larsen Prize

During the symposium The Knud Lind Larsen Prize will be awarded for the sixth time. The prize was initiated thanks to a donation to the Academy from the Knud Lind Larsen estate, also funding basic expenses in connection with the symposium.

The prize is awarded to a young Danish researcher within the chemical field who has shown outstanding talent within his/her field of expertise and who may be expected to participate in the strengthening and raising of quality of chemical research in Denmark.

The Torkil Holm Prize

During the symposium The Torkil Holm Research Award for Chemistry will be presented. The prize has been possible thanks to a donation from the Torkil Holm Foundation.

The prize has been presented to younger promising Danish scientists for over 20 years in recognition of their excellent scientific contribution particularly within the fields of organic- or inorganic chemistry or biochemistry and to strengthen these fields of science in Denmark.