

ATV

VISIONS IN CHEMISTRY  
THE TORKIL HOLM SYMPOSIUM  
Scandic Falkoner January 26-27, 2024

PROGRAMME



TORKIL

HOLM

SYMPOSIUM



# THE SYMPOSIUM

## The Themes

Topics to be presented include: molecular nanotechnology, chemical biology, drug discovery and delivery, organometallic catalysis, molecular bioscience, organic functional systems, and total synthesis of complex target molecules.

## The Aim

The aim of the Torkil Holm Symposium is to bring together world-leading experts, from both academia and industry, to present a broad range of topics within the field of chemical science.

## The Sponsor

Thanks to a generous donation from the Torkil Holm Foundation, the seventh Torkil Holm “Visions in Chemistry” Symposium will take place in Copenhagen on January 26-27, 2024.



# FRIDAY, JAN. 26

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08:00 **REGISTRATION AND BREAKFAST**

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09:00 **SYMPOSIUM OPENING  
AND WELCOME**

**Professor Robert Madsen,  
Chair of the Organizing Committee**

**The centennial of Dr. Torkil Holm**

Professor Klaus Bock, The Torkil Holm Foundation

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09:15 **SESSION 1**

**Chaired by Professor Jan O. Jeppesen**

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**Reticular Chemistry for  
a Sustainable Future**

Professor Omar Yaghi

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**Assembly Line Synthesis**

Professor Varinder Aggarwal

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Coffee and tea break

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11:30 **The Torkil Holm Prize 2024**  
Chaired by Professor Klaus Bock,  
The Torkil Holm Foundation

**Lecture by the prize winner**

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12:30

Lunch

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14:00

## SESSION 2

Chaired by Professor Morten Meldal

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### Carbohydrates in Health and Disease

Professor Laura Kiessling



### Deciphering Microbes and Microbiomes with Chemistry

Professor Emily Balskus

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Coffee and tea break

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16:10

## SESSION 2 CONT.

Chaired by Professor Karl Anker Jørgensen

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### Photochemistry & Organocatalysis: New Radical Opportunities

Professor Paolo Melchiorre



### Multi-Redox Systems – Radical Approaches

Professor Mogens Brøndsted Nielsen

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18.00

## DRINKS AND SYMPOSIUM DINNER

# SATURDAY, JAN. 27

08:30

Breakfast

09:00

## SESSION 3

Chaired by Professor Robert Madsen



### Late-Stage Functionalizations

Professor Tobias Ritter



### Virus Traps and Other Molecular Machines of the Future

Professor Hendrik Dietz

Coffee and tea break

11:00

## SESSION 3 CONT.

Chaired by VP, Dr. Klaus Bæk Simonsen



### Accelerating Advances in Catalysis: Concepts, Insights, Strategies

Professor Franziska Schoenebeck

### The NCK Prize for Creativity in Organic Chemistry

chaired by VP, Dr. Anders Lohse

Lecture by the prize winner

12:45

Lunch

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13:45

## SESSION 4

Chaired by VP, Professor Thomas Eiland Nielsen

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### Identification of Macrocyclic Peptide Inhibitors of PCSK9 for Cardiovascular Disease

Dr. Blair Wood



### What Does it Take to Become a Click Reaction?

Professor Morten Meldal

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15:35

## SYMPOSIUM CLOSING REMARKS

Professor Robert Madsen

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# PRACTICAL INFO

## Dates

January 26-27, 2024

Friday, Jan. 27: 08.00 - 23.00, incl. symposium dinner

Saturday, Jan. 28: 09.00 - 16.00

## Registration

Please register at [www.atv.dk](http://www.atv.dk) no later than Jan. 10, 2024

## Participation Fee

Includes breakfast both days, coffee and tea breaks, lunches both days, symposium dinner and free bar (from 18.00 to 23.00) Friday, Jan. 26

Ordinary participants: DKK 3,850

Graduate participants: 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 January 10, 2024, the participation fee cannot be refunded.

## Accommodation

Accommodation must be arranged individually by the participants.



## **Dr. Torkil Holm**

The late Torkil Holm, PhD (1924-2021), was a distinguished emeritus in organic chemistry at the Technical University of Denmark.

## **The Torkil Holm Prize**

During the symposium the Torkil Holm Research Award for Chemistry will be announced. The prize will be awarded to a young researcher who has already established his or her credentials as an independent investigator in any area of chemical science and who shows great promise for further scientific development. Candidates from Danish academia, private research institutions and industry are all eligible for the prize.

## **The NCK Prize for Creativity in Organic Chemistry**

This year, the NCK Prize will also be awarded. The receiver will preferably be an established scientist from any of Denmark's universities.

## **The Danish Academy of Technical Sciences**

Since the first symposium in 2000, ATV has structured these symposiums which are today regarded among the world's most influential. The Danish Academy of Technical Sciences (ATV) is an independent, member-driven think tank. ATV's vision is that Denmark shall be one of five leading Science and Engineering regions in the world – to the benefit of future generations.





## Networking

The Torkil Holm Symposium provides an excellent environment for networking with some of the best in the chemistry field. This is further promoted by scientific and social gathering in appropriate breaks for discussion including seated lunch breaks and a symposium dinner.

Join the Torkil Holm Symposium to boost your network and experience world class chemistry.

We look forward to two intensive days of presentations and discussions of research at the leading edge of chemistry.

*The ATV Scientific Organizing Committee*



## The ATV Scientific Organizing Committee

Professor Karl Anker Jørgensen  
The Torkil Holm Foundation

Professor Robert Madsen (Chair)  
Technical University of Denmark

Professor Jan Oskar Jeppesen  
University of Southern Denmark

Vice President Klaus Bæk Simonsen  
H. Lundbeck A/S

Professor Kurt Vesterager Gothelf  
Aarhus University

Professor Morten Meldal  
University of Copenhagen

Vice President Thomas E. Nielsen  
Novo Nordisk A/S



## Symposium Secretariat

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## Venue

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