

**ATV**

# VISIONS IN CHEMISTRY THE TORKIL HOLM SYMPOSIUM

Scandic Falkoner January 28-29, 2022

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 sixth Torkil Holm “Visions in Chemistry” Symposium will take place in Copenhagen on January 28-29, 2022.



# FRIDAY, JAN. 28

08:30      **REGISTRATION AND BREAKFAST**

09:00      **SYMPOSIUM OPENING  
AND WELCOME**

**Professor David Tanner,**  
the Technical University of Denmark,  
Chairman of the ATV Scientific  
Organizing Committee

09:05      **SESSION 1**

**Chaired by Professor Jan O. Jeppesen**

09:10



**Professor Ben Zhong Tang**  
Aggregology: A Holistic View in  
Scientific Research

 **Online presentation**

10:00



**Professor Lee Cronin**  
Chemputation

Coffee and Tea Break

11:30      **SESSION 1 CONT.**

**Chaired by Prof. emer. Klaus Bock**  
Chair of the Torkil Holm Foundation

The Torkil Holm Prize 2022,  
presentation and lecture by prize  
winner



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12:30

Lunch

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14:00

## SESSION 2

Chaired by Professor Kurt Vesterager Gothelf

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14:05



**Professor Tanja Weil**  
Materials Talking to Cells

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14:55



**Professor Ryan Shenvi**  
Trips through Chemical Space:  
Syntheses of Psychoactive Plant  
Metabolites

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Coffee and Tea Break

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16:10

## SESSION 2 CONT.

Chaired by VP, Professor Thomas E. Nielsen

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16:15



**Professor Belén Martin-Matute**  
Catalysis for Selective Organic  
Synthesis



Online presentation

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17:05



**Professor Karl Anker Jørgensen**  
Expanding the Frontiers of Organic  
Reactions

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18:00

Drinks

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18:30

Symposium Dinner

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# SATURDAY, JAN. 29

09:30

## SESSION 3

Chaired by VP, Dr. Klaus Bæk Simonsen

09:35

**Professor Frank Glorius**  
On Discovery in Catalysis



10:25

**Professor Hiroaki Suga**  
In Vitro Discovery of de Novo Pseudo-Natural Products



 **Online presentation**

Coffee and Tea Break

11:40

**Professor Kristian Strømgaard**  
Targeting Receptor Complexes with  
Therapeutic Peptides



Lunch

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13:30

## SESSION 4

**Chaired by Professor Morten Meldal**

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13:35



**Chief Scientist Shalini Andersson**  
Developing Oligonucleotides into  
Therapies: Opportunities and  
Challenges

 [Online presentation](#)

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14:25



**Floyd Romesberg**  
A Semi-Synthetic Organism that  
Stores and Retrieves Increased  
Genetic Information

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15:10

**SYMPOSIUM CLOSING REMARKS**  
**by Professor David Tanner**  
Drinks, networking

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[Go to ATV web for speakers' bios](#)

# PRACTICAL INFO

## Dates

January 28 - 29, 2022

Friday, Jan. 28: 08.30 - 23.00

(incl. symposium dinner)

Saturday, Jan. 29: 09.00 - 16.00

## Registration

Please register at [www.atv.dk](http://www.atv.dk) no later than Jan. 13, 2022

## 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. 28

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 13, 2022, 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 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 emer. Klaus Bock,  
The Torkil Holm Foundation

Professor David Tanner (Chairman)  
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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