

# 44. Max-Bergmann Konferenz

ABION Spreebogen Waterside Hotel

Alt-Moabit 99, 10559 Berlin

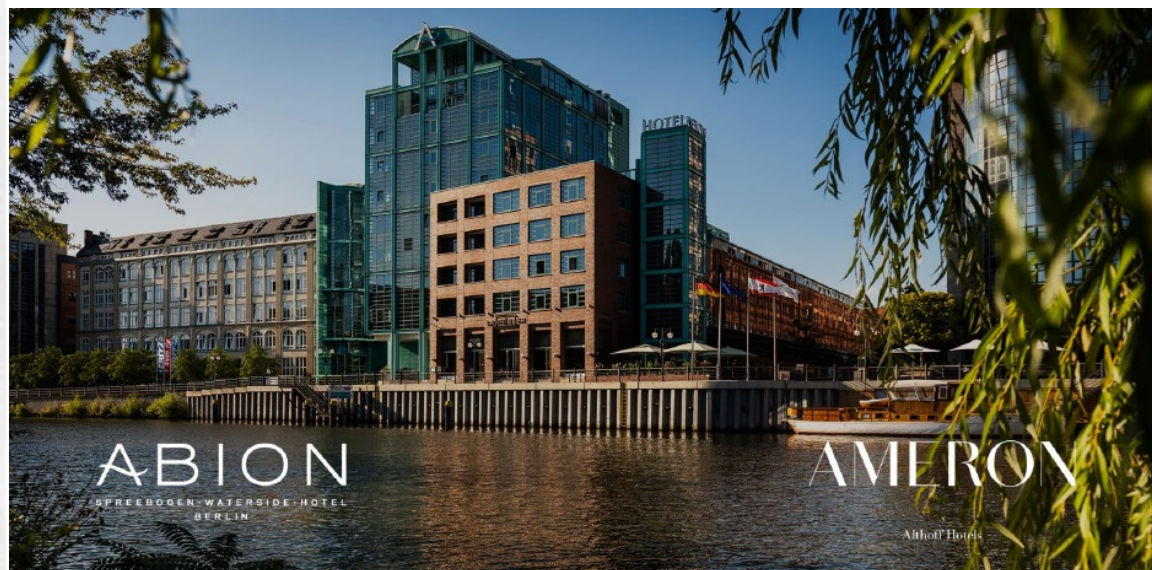
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<https://www.ameroncollection.com/de/berlin-abion-spreebogen-waterside>



*Max Bergmann*



# Wissenschaftliches Programm/Scientific Program

**Montag/Monday, 09.09.2024**

**08:30 Eröffnung/Opening** Norbert Sewald  
Gedenken an/Commemoration of Luis Moroder

## Peptidkatalysatoren/Peptide Catalysts

**Vorsitz/Chair:** Christian Becker

**08:45 Scott Miller**, Yale University, USA (45 min + 10 min discussion)  
Asymmetric Catalysis at the Interface of Enzymes and Small Molecules

**09:40 Helma Wennemers**, ETH Zurich (45 min + 10 min discussion)  
Peptide Catalysis — From Simple to Complex Environments

**10:35 Kaffeepause/Coffee break**

**Vorsitz/Chair:** Thomas Vorherr

**11:00 Nina Hartrampf**, University of Zurich (15 min + 5 min discussion)  
New Tools for Flow-Based Peptide and Protein Synthesis

**11:20 Harald Kolmar**, TU Darmstadt (15 min + 5 min discussion)  
Conditional activation of peptides and antibodies for cell-specific cargo delivery to the mammalian cytoplasm

**11:40 Oliver Zerbe**, University of Zurich (15 min + 5 min discussion)  
Einflüsse der Natrium-Bindung auf einen adrenergen Rezeptor

**12:00 Mittagessen/Lunch**

**14:00 Ausflug/Excursion**

**Dienstag/Tuesday, 10.09.2024**

**Vorsitz/Chair: Dirk Schwarzer**

- 08:30 Valentin Wittmann**, University of Konstanz (15 min + 5 min discussion)  
Solid Phase Synthesis of Microcystins and the Search for their Interaction Partners
- 08:50 Jörg Rademann**, FU Berlin (15 min + 5 min discussion)  
Peroxygenins - novel pan-senolytic drugs, their functional characterization and potential in cancer therapy
- 09:10 Norbert Schaschke**, Hochschule Aalen (15 min + 5 min discussion)  
Synthesis of mixed polycationic/polyzwitterionic polymers based on the poly(alpha-L-lysine) scaffold and their application as EOF-modulators for CE separation of proteins
- 09:30 Armin Geyer**, University of Marburg (15 min + 5 min discussion)  
Synthesis of macrocyclic peptide natural products
- 09:50 Dorothea Fiedler**, FMP Berlin (15 min + 5 min discussion)  
Uncommon Phosphorylation Modes: Protein Pyrophosphorylation and Oligophosphorylation in Human Cells

**10:10 Kaffeepause/Coffee break**

**Vorsitz/Chair: Irene Coin**

- 10:40 Thomas Kiefhaber**, University of Halle (15 min + 5 min discussion)  
Die Rolle von innerer Reibung in der Peptiddynamik
- 11:00 Annette Beck-Sickinger**, Leipzig University (15 min + 5 min discussion)  
Chemerin receptors CMKLR1 and GPR1: protein ligand and thereof derived peptide binding modes
- 11:20 Michael Glocker**, Proteom-Zentrum Rostock (15 min + 5 min discussion)  
Intact Transition Epitope Mapping—Force Interferences by Variable Extensions (ITEM-FIVE)
- 11:40 Mitgliederversammlung/Members meeting**

## 13:00 Mittagessen/Lunch

**Vorsitz/Chair: Markus Kaiser**

**14:00 Aphrodite Kapurniotu, TU München (15 min + 5 min discussion)**  
Multi-targeting peptides as inhibitors of pathogenic amyloid self-assembly

**14:20 Carlo Unverzagt, University of Bayreuth (15 min + 5 min discussion)**  
Chemoenzymatic Synthesis of Proteoglycans

**14:40 Stephan Sieber, TU München (15 min + 5 min discussion)**  
Chemische Strategien zur Bekämpfung pathogener Bakterien

**15:00 Ron Raines, MIT, USA (15 min + 5 min discussion)**  
Lessons from Collagen-Mimetic Peptides

## 15:20 Kaffeepause/Coffee break

**Vorsitz/Chair: Nicole Biber**

**15:50 Tom Grossmann, Free University Amsterdam (15 min + 5 min discussion)**  
A viral suppressor of RNA silencing inspires biomimetics with diverse function

**16:10 Christian Becker, University of Vienna (15 min + 5 min discussion)**  
Insights into the mechanism of diatom peptide-guided biomimetic silica formation

**16:30 Marc-André Kasper, Tubulis GmbH (15 min + 5 min discussion)**  
Phosphorus-based Linkers for the Construction of Stable and Efficacious Antibody-Drug-Conjugates

**16:50 Hans Brückner, University of Gießen (15 min + 5 min discussion)**  
New Sequences and Bioactivities of Tolylin/Efrageptin

## Nachwuchspreis 2024 (gefördert durch Bachem)

**18:00 Mirja Harms, University Ulm**



## **Max-Bergmann-Medaille 2024**

**18:45 Christian Hackenberger, FMP Berlin**



**20:00 Bankett zu Ehren der Preisträger\*innen**