

# General Information

## Topic

The 17<sup>th</sup> German Peptide Symposium 2026 is an open-topic conference for all aspects of modern Peptide Chemistry. The symposium will feature plenary and keynote lectures, and poster sessions, providing a platform for early-career scientists and established experts to exchange knowledge, discuss the latest developments in peptide science and explore potential applications in biomedicine, biotechnology, and materials sciences.

## Poster Session

The symposium's poster sessions will provide an opportunity for early career researchers to present their work. We encourage participation, and the best posters will be awarded. Prizes are sponsored by:



## Organizing Committee

**Hans-Dieter Arndt** | Jena University | Organic Synthetic Chemistry

**Malte Gersch** | TU Dortmund | Chemical Biology

**Ute Hellmich** | Jena University | Biostructural Interactions

**Markus Kaiser** | UDE | Chemical Biology

**Norbert Sewald** | Bielefeld University | Bioorganic Chemistry and Chemical Biology

## Contact and Local Organization

**Maike Müller**

✉ +49 201 183 3670

✉ 17gps@uni-due.de

## Venue

**University of Duisburg-Essen (UDE)**

Building S04  
Universitätsstr. 2  
45141 Essen

## Funding

**The symposium is sponsored by**



**We thank for further support**

Funded by  
**DFG** Deutsche  
Forschungsgemeinschaft  
German Research Foundation



**Under the auspices of**

# Program

UNIVERSITÄT  
DUISBURG  
ESSEN

Offen im Denken

**17<sup>th</sup>  
GERMAN  
PEPTIDE  
SYMPOSIUM**  
Essen, March 4-6, 2026

# Program

Wednesday, March 4<sup>th</sup>, 2026

15.00 Registration & Coffee

16.00 Welcome Notes by Markus Kaiser

16.05 Welcome Notes by UDE Rector Barbara Albert

Session I – Chair: N.N.

16.15 **Plenary lecture Matt Bogyo**, Stanford University, USA  
Peptides and peptide mimetics as covalent probes for imaging cancer and infectious diseases

17.15 **Hans Michael Maric**, University of Würzburg, GER  
Intracellularly Active Peptidic Conjugates for Imaging and Gene Silencing

17.35 **Steven Verhelst**, KU Leuven, BE  
Targeting proteases with photo-activatable peptide derivatives

17.55 **Keynote Hermen Overkleeft**, Leiden University, NL  
Activity-based protein profiling: glycosidases and proteases.

18.45 Social Evening & Poster Session

19.30 Poster Session

19.30 odd poster numbers / 20.30 even poster numbers  
Food and beverages will be served during the Poster Session

Thursday, March 5<sup>th</sup>, 2026

08.30 Get-together, Coffee

Session II – Chair: N.N.

9.00 **Keynote Annette Beck-Sickinger**, Leipzig University, GER  
Peptides, targeting G protein-coupled receptors

9.40 **Jannik Keyser Paulus**, University of Göttingen, GER  
Redox Responsive Peptide Dimers to Stabilize and Release Therapeutic dsRNA

10.00 **Christina Lamers**, Leipzig University, GER  
Bicyclic peptides targeting the complement receptors 3 – the importance of reaction conditions on isomer formation.

10.20 **Oliver Seitz**, HU Berlin, GER  
Peptides on DNA - Bispecific agents for enhanced targeting of cancer cells

10.40 Coffee Break

Session III – Chair: N.N.

11.10 **Keynote Roman Jerala**, Kemijski Inštitut, SI  
Coiled-coil peptide-based modules for the design of new protein folds and mammalian cell regulation

11.50 **Puneeth Drgkoppalu Ramanna**, Bielefeld University, GER  
Antiparallel  $\beta$ -Double Helices from  $\alpha,\gamma$ -Hybrid Peptides

12.10 **Arka Som**, Johannes Gutenberg University of Mainz, GER  
Enzymatic Transformation of Peptide Recognition and Dynamic Supramolecular Crosslinks

12.30 **Cornelia Koy**, University Medicine Rostock, GER  
Mass Spectrometric ITEM-FIVE Analysis Reveals Increasing Trimer Stability of T4 Fibrin Folds Upon Introduction of N-terminal Amino Acid Residues with Artificial Space-demanding Side-chains.

12.50 Lunch Break

Session IV – Chair: N.N.

14.00 **Keynote Christian Hackenberger**, Leibniz Forschungsinstitut für Molekulare Pharmakologie (FMP), GER  
Peptide-conjugates, additives and tools to advance intracellular protein delivery

14.40 **Michaela Prothiwa**, University Antwerp, BE  
Chemical profiling of virulence-related bacterial proteases

15.00 **Christian Schwarz**, Numaferm GmbH, GER  
A Novel Biochemical Platform for Efficient Peptide and Protein Production

15.20 **Keynote Monique Mulder**, Leiden University Medical Center, NL  
Navigating the Ub & Ubl Landscape: From Chemical Probes to Control

16.00 Coffee Break

Session V – Chair: N.N.

16.30 **Keynote Loren Walensky**, Dana Farber Cancer Institute, USA  
From Helix Stabilization to Targeted Therapeutics: Stapled Peptides and their PROTAC Chimeras for Wild-Type p53 Cancers

16.50 **Veronica Dodero**, Bielefeld University, GER  
Self-assembly of PPII-rich gluten peptides and their implications in health and disease

17.10 **Charalampos Pappas**, University of Freiburg, GER  
Abiotic Acyl Transfer Cascades Driven by Phosphate Esters and Self-Assembly

17.30 **Peter t'Hart**, University of Münster, GER  
Modulation of mRNA degradation by targeting the CCR4-NOT complex using stapled peptides

19.00 Conference Dinner @Dampfe  
Heinrich-Brauns-Straße 9-15,  
45355 Essen



Friday, March 6<sup>th</sup>, 2026

08.30 Get-together, Coffee

Session VI – Chair: N.N.

9.00 **Keynote Hans-Dieter Arndt**, Friedrich-Schiller-University, GER  
On Synthesis and Investigations of (and with) Cyclodepsipeptides

9.40 **Franziska Thomas**, Heidelberg University, GER  
From the Chemist's Toolbox: New Synthetic Approaches for Therapeutic Peptides and Beyond

10.00 **Martin Technau/Christian Behn**, CEM GmbH, GER  
Massive Waste Reduction for Solid Phase Peptide Synthesis/ Greening Reversed-Phase Liquid Chromatography Methods through replacement of Acetonitrile with Ethanol

10.20 **Sven Ullrich**, University of Tokyo, JP  
Biocompatible Chemistry for Constrained Peptides and Compact Proteins

10.40 Coffee Break

Session VI – Chair: N.N.

11.00 **Keynote Roderich Süssmuth**, TU Berlin, GER  
Peptide Antibiotics that Matter: Linking Structure to Biological Effect

11.40 **Armin Geyer**, Philips Universität Marburg, GER  
Synthesis of natural and designed C $\beta$ -functionalized peptides

12.00 **Christian Steuer**, ETH Zurich, CH  
Analytical challenges and opportunities in peptide drug discovery: lessons learned from chromatography and mass spectrometry.

12.20 **Raimund Maier**, Iris Biotech GmbH, GER  
Tag-Assisted Peptide Synthesis (TAPS) Enabling More Efficient and Sustainable Peptide Synthesis and Purification

12.40 Lunch Break

Session VII – Chair: N.N.

13.40 **Keynote Maja Köhn**, University of Bonn, GER  
Peptide tools to dissect phosphatase-substrate interactions

14.20 **Juan Lizandra Perez**, Vrije Universiteit Amsterdam, NL  
Design and Characterization of  $\beta$ -catenin site-specific Cell-Permeable  $\beta$ -Hairpin-based Inhibitors

14.40 **Robert Zitterbart**, Gyros Protein Technologies, USA  
Reliable High Throughput Chemo Selective Catch and Release Purification of Peptides from TFA Cleavage Cocktails Without Precipitation

15.00 **Lennart Brewitz**, Polish Academy of Sciences, PL  
Activity assays with substrate-derived oligopeptides enable development of substrate selective inhibitors of the SARS-CoV-2 papain-like protease

15.20 Poster Prize & Closing Remarks