



17th
GERMAN
PEPTIDE
SYMPOSIUM

Essen, March 4-6, 2026

Poster Program

Poster Presentations

P-1	Ana Alcalde-Ordóñez	Novel Peptide-Based Modalities for Targeting β -Catenin Protein-Protein Interactions in Colorectal Cancer
P-2	Sonja Bazhenova	NMR-based Structure-Activity Relationship Studies of Antimicrobial Peptides
P-3	Sebastian Beil	Direct Access to Non-Canonical Amino Acids by Photocatalysis
P-4	Lukas Blawert	Influence of labeling and functionalities of peptides on cellulose binding
P-5	Jan Blocki	Selective Acyl Transfer through Phosphate Esters
P-6	Jan-Niklas Bollnow	Linkerology of Cryptophycin Drug Conjugates
P-7	Ferdinand Braun	Peptide inhibitors of the human cytomegalovirus core nuclear egress complex
P-8	Leonard Briefs	Photoreductive Peptide Macrocyclization
P-9	Julian Brinkhofer	Late-Stage Amination and Reductive Amination of Peptides on the Solid Phase
P-10	Lana Buzuk	Targeted Protein Ubiquitination Using Peptide-Based HaloPROTACs
P-11	Giorgia Danti	Targeted Chemical Modifications Improve Antisense Antibiotic Efficacy
P-12	Peter Demirel	Template-Directed Peptide Evolution on Protein Scaffolds
P-13	Emine Derin	Enhancing the Therapeutic Potential of Black Soldier Fly-Derived Antimicrobial Peptides via In Silico Fragmentation
P-14	Antonia Feida	K63-linked diubiquitin through auxiliary-mediated ligation at acidic conditions
P-15	Anissa Haim	Multicyclic D-Stereospecific Hydrolase Dimer with High Sustained Activity
P-16	Zhanyu He	Synthesis, characterization and biological evaluation of a fungal peptide described from mushrooms of the genus Cortinarius
P-17	Diana Hochhalter	Novel Peptide Nucleic Acid-based Tools for Super-Resolution Microscopy
P-18	Philipp Holz	Targeting fibrin with EPep: A peptide probe for stroke research
P-19	Jonas Huber	De novo Design of Carbohydrate Binding Miniproteins
P-20	Christiane Huhn	Overcoming Labeling Barriers - Synthetic Probes for Functional Protein Imaging
P-21	Paul David Jungnickel	Lead Structure-guided Development of a Highly Selective Neuropeptide Y1 Receptor Agonist
P-22	Chiara Keil	Radical scavenging collagen mimetic peptides
P-23	Serhii Kharchenko	Full history of Odorranalectin: Structure, Functions, and Biomedical Potential of the Smallest Natural Lectin
P-24	Rana Khober	Targeting Dopamine Dysregulation with Oxytocin and Vasopressin Glycosides for Pain and Addiction Therapy
P-25	Gian Kipka	A fluorescent activity-based probe for the cellular investigation of the Deubiquitinase USP30
P-26	Agi Kishore	Engineering Metallo-miniproteins for Asymmetric Michael Addition
P-27	Fabien Kohnen	Biomimetic N-to-C Synthesis of β -Peptides in Water using Aminoacyl Phosphates
P-28	Julia Kriegesmann	PROTACs based on mini-proteins for targeted disruption of the p53/MDM2 interaction
P-29	Maud Larregola	A novel strategy to synthesize ubiquitin-branched peptides generated by the 20S proteasome digestion of protein models in neurodegeneration
P-30	Simon Leukel	Structure-based optimization of a CD4 mimetic peptide
P-31	Marlene Maager	From Code to Chemistry: De Novo Design of an FMN-Binding Scaffold Using Computational Tools
P-32	Dennis Marzin	A Light-Responsive ALFA-Tag for Reversible Control of Nanobody Binding

P-33	Martin Matijass	Chemically Tuned Peptides as Synthetic Substrates of Farnesyltransferase: A New Strategy Against Oncogenic Ras
P-34	Antonio Páez Pilz	Strand-Swapped SH3 Domain Dimers as Minimal Scaffolds for Binuclear Metal-Mediated Catalysis
P-35	Aparna Palakurussi Rathessan	SAR study of antimicrobial peptide with cross-kingdom activity
P-36	Steven Panek	Cyclopeptide-Based Fluorescent Conjugates for Monitoring Prefibrillar A β Nanostructures
P-37	Lisa Christin Peucker	Development of Optimized Y5 Receptor Selective Agonists for Cancer Therapy and Diagnostics
P-38	Thejus Pramod	Photoperiodic Regulation of Non-Equilibrium Self-Assembly via Switchable Aminoacyl Phosphates
P-39	Annelie Puhlmann	Engineering Softness: How Molecular Tweaks in Coiled-Coils Shape Hydrogel Behavior
P-40	Charlotte Maria Luise Radelof	Exploring the Role of Amyloid- β and GAG Interaction in Peptide Aggregation in the Context of Neurodegenerative Disease
P-41	Lorenz Rau	Functional Peptides with unique γ -Mono- and γ,γ' -Diarylvalines
P-42	Lisa Marie Reinbold	Towards cell penetrating cyclic peptides for the inhibition of Histone deacetylase 4
P-43	Melina Ruppel	Peptide inhibitors target the TANGO1–cTAGE5 complex to reduce collagen secretion in dermal fibroblasts
P-44	Lenard Saile	Chirality Makes or Breaks Chemically Driven Self-Assembly
P-45	Joao Teodoro	Computational Profiling of Novel Cereus Peptides Targeting β -Lactamase Activity and Membrane Integrity in Multidrug-Resistant Bacteria
P-46	Vani Verma	Development of highly selective activity-based probes to monitor IgA1 protease activity and guide inhibitor discovery for Haemophilus influenzae
P-47	Charlotte Völkel	Combination of Solid Phase Peptide Synthesis and Automated Glycan Assembly as a Tool towards synthetic Glycopeptides
P-48	Charlotte Waldhelm	Convenient Synthesis of Enniatin B1 for Large-Scale Production and Isotopic Labeling
P-49	Mathias Wendt	Targeting Neurodegenerative Diseases with Priavoid's Drug Development Platform
P-50	Marius Werner	Late-Stage Functionalization of Peptides on the Solid-Phase
P-51	Joshua Zarse	Development of sortase-catalyzed multi-fragment assembly strategies for peptides and proteins