



POSTERS

1) Alea Quant

Conotoxin Drug Discovery using Artificial Intelligence

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Corresponding Author: Markus Muttenthaler

2) Andreas Fraunhofer

Production of β -Arrestin Isoforms for Peptide Modulator Screening

Presenting Author: Andreas Fraunhofer

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Corresponding Author: Christian W. Gruber

3) Anna Hampel

Elucidating the Impact of Glycation on α -Synuclein Structure and Function

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Corresponding Author: Tim Baldensperger, Christian F.W. Becker

4) Anna Mädge

Investigation of the Prion Protein: Genetic Code Expansion meets Semisynthesis

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5) Barbara Kofler

Expression and Effects of the Galanin System in Human T Cell Subtypes

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Corresponding Author: Sara Huber, Lysanne Luethje, Jonas Strauss, Nicole Maeding, Stefanie Gaisbauer

6) Bernhard Jandl

Harnessing Nature's Defences to Combat Intestinal Biofilms

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7) Boglarka Blanka Bata

Pharmacological Profiling of Bis-conjugated Peptide Ligands of the Kappa-opioid Receptor

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8) Carmen Bäuerlein

Synthesis of Fusahexin and bicyclic amino acids

Presenting Author: Carmen Bäuerlein

Presenting Author Affiliation: Philipps-University Marburg Department of Chemistry

Corresponding Author: Armin Geyer

9) Celina Sailer

Utilizing NMR spectroscopy to probe Tom70 binding sites and map interactions with chaperones and viral proteins

Presenting Author: Celina Sailer

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10) Claudia Cobos Caceres

Survival Motor Neuron (SMN) Complex Posttranslational Modifications: Impact on snRNP Splicing Machinery

Presenting Author: Claudia Cobos Caceres

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11) Dominik Windisch

Development of gut -stable melanocortin receptor agonists for treating metabolic disorders

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12) Dóra Bogdán

Design of Stable Cathelicidin Helices for Enhanced Antimicrobial Activity

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13) Edit Wéber

Fragment-based proteomimetic ligand development using a local surface mimetic foldamer library

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14) Elena C. A. Becker

Development of Cyclic and Stabilized Dynorphin Derivatives as Potent Analgesics for IPD Pain Management

Presenting Author: Elena C. A. Becker

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15) Ertan Turhan

Hyperpolarized Water and Machine Learning for High -Sensitivity, High -Resolution NMR of Intrinsically Disordered Proteins: High-resolution access to formerly untraceable intermediates

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16) Federico Faglia

The Core -Shell Conformational Space of Compartmentalized Single-Chain Nanoparticles by Paramagnetic and Hyperpolarized NMR Spectroscopy

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17) Hannah Back

Potentiating the Anti-Tumor Efficacy of Innate Immune System Engagers (ISERs) through Bispecific Immune Modulation

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18) Herwig Weissinger

Next generation ligation auxiliaries for protein synthesis: Combining intramolecular base catalysis with chemoselective cleavage conditions

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19) Ines Trettler

Advancing isotope labeling for Nuclear Magnetic Resonance

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20) Imola Cs. Szigyártó

The Fine-tuning Effect of Heterochiral β 3-sequences on Structural Motif Associations

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21) Isabell Ober

Bivalent Ligands targeting the Oxytocin Receptor - Dopamine D2 Receptor Heterodimer

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22) Jonathan Dieringer

Cyclic Peptides as Research Tools to Study Prolyl Oligopeptidase Inhibition

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23) Jonas Huber

De novo Design of Carbohydrate Binding Miniproteins

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24) Julius Hermes

Discovery of natural peptide ligands for human GPCRs from evolutionary related invertebrate peptide signalling systems

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25) Kamal el Battioui

Adaptive supramolecular β -peptide assemblies as next -generation antimicrobial agents

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26) Konstantin Plöchl

The solute-binding proteins DppA1–5 of *Pseudomonas aeruginosa* have distinct substrate profiles

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27) Kristóf Ferentzi

The First Steps Toward Understanding the Resin in SPPS: A Molecular Dynamics Study

Presenting Author: Kristóf Ferentzi

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28) Lydia Barber

Decoding posttranslational modulation of HMGN1 localisation and dynamics using site-specific fluorescent labelling

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29) Marvin Zwettler

Resolution enhancement by optimizing data post-processing

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30) Milan Zachrdla

Recognizing DNA structures using Dissolution Dynamic Nuclear Polarization

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31) Miriam Preissler

Hunting for the aggregation culprit(s): Individual and combined effects of post-translational modifications on tau pathology

Presenting Author: Miriam Preissler

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32) Monika Perisic Böhm

A multimodal molecular toolbox to study the oxytocin receptor system

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33) Moritz Urschbach

Modular access to structurally defined ubiquitin chains and ubiquitinated proteins

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34) Nadiia Gumerova

Polyoxometalate-based carriers for peptide delivery: a novel route to intracellular bioactive cargo delivery

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35) Olivér Pavela

Investigating the membrane binding mechanism and oligomerization of the antifungal protein NFAP2 by using molecular dynamics simulations

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36) Pamina M. Winkler

Small Molecules, Big Impact: Quantifying the Influence of Amino Acids on Protein Interactions

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37) Roman Lichtenecker

Protein Isotope Labeling and NMR Spectroscopy for Molecular Insights

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38) Rumsha Khan

Peptide Ligand-Dependent Signaling at the Kappa Opioid Receptor

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39) Sabrina H. Schmied

Semisynthesis of Site-Specifically Phosphorylated Hsp27

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40) Siddhant Sharma

Cross-Seeding of A β -Interacting Proteins: Bioinformatic and Experimental Evidence for Novel Amyloidogenic Contributors to Abeta 1-42 Aggregation

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41) Stepan Denisov

Production of human Trefoil Factor Family peptide 2 (hTFF2) and hTFF2 -based photo-crosslinking probes for elucidation of its molecular targets and therapeutic scope in chronic gut disorders

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42) Steve Peigneur

From Ribbon Worms to Bioinsecticides: Nemertide Peptides as Selective Insect Sodium Channel Modulators

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43) Szabaszián Szaniszló

Turning oxidation into an advantage: methionine sulfoxide in GLP -2 aggregation

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44) Theresa Lutz

Functionalization of Amino Acids via C-H Activation in the β -position

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45) Thongtham Suksawat

The effects of peptide -containing crude extracts of Momordica charantia on human prolyl oligopeptidase inhibition

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46) Tobias Gökler

Sequential Phosphorylation at the Intrinsically - Disordered N-Terminus as a Potential Regulatory Mechanism for β -Catenin Inhibition

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47) Zineb Medjeldi

Biophysical characterization of AMP and LPS interactions

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48) Tamas Beke-Somfai

In situ captured action of supramolecular peptide antibiotics

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