

Final Program: 4th Austrian Peptide Symposium

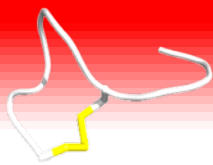
4th of December 2014

University of Salzburg, Bibliotheksaula
Hofstallgasse 2, A-5020 Salzburg



- 8:30 – 9:15** **Registration and mounting of posters**
- 9:15 – 9:30** **Welcome address**
- 9:30 – 11:00** **Session 1: Bioactive Peptides: Physiology, Pharmacology and Therapy**
Chair: Christian Gruber (Medical University of Vienna)
- 9:30 – 10:00** **Annette G. Beck-Sickinger** (University of Leipzig, Germany):
“Molecular mechanism of peptide hormone binding and GPCR trafficking”
- 10:00 – 10:30** **Jozef Vanden Broeck** (KU Leuven, Belgium):
“Peptide-receptor couples implicated in the control of feeding and digestion in insects”
- 10:30 – 11:00** **Miguel Castanho** (University of Lisbon, Portugal):
“Peptide-lipid duets in viruses, humans and bacteria”
- 11:00 – 11:30** **Coffee Break (Foyer)**
- 11:30 – 12:30** **Session 2: Peptide Chemistry and Mimicry**
Chair: Christian Becker (University of Vienna)
- 11:30 – 12:00** **Rob Liskamp** (University of Glasgow, UK):
“Protein mimics by molecular scaffolding of cyclic peptides using Cu(I)-catalyzed cycloaddition and native chemical ligation”
- 12:00 – 12:30** **Tamás Martinek** (University of Szeged, Hungary):
“Protein mimicry with peptidic foldamers: structure and function”
- 12:30** **Group Photo**
- 12:45 – 14:30** **Lunch Break, Poster Session and Industry Presentations**
Light lunch buffet provided in the foyer





14:30 – 16:00

Session 3: Hot Topics in Peptide Science - Oral Contributions selected from submitted abstracts

Chair: Hannelore Breitenbach-Koller (University of Salzburg)

14:30 – 14:45

Marina Rubini (University of Konstanz, Germany):

“(4R)- and (4S)-Fluoroproline in the conserved cis-prolyl peptide bond of the thioredoxin fold: tertiary structure context dictates ring puckering”

14:45 – 15:00

Reza Omidvar (Univ. of Nat. Resources and Life Sciences, Tulln, Austria):

“Functional analysis of defensin-like peptide from *Arabidopsis thaliana*”

15:00 – 15:15

Anne Conibear (The University of Queensland, Brisbane, Australia):

“Characterising mammalian cyclic peptides by NMR”

15:15 – 15:30

Kathrin Thell (Medical University of Vienna, Austria):

“Cyclotides as immunosuppressive therapeutics against experimental autoimmune encephalomyelitis”

15:30 – 15:45

Claudia Bello (University of Vienna, Austria):

“An auxiliary-mediated approach for the chemoenzymatic synthesis of site-specifically glycosylated peptides”

15:45 – 16:00

Andreas Friedrich (University of Salzburg, Austria):

“Specialized ribosomes as targets for therapeutic treatments in Epidermolysis bullosa”

16:00 – 16:30

Coffee Break (Foyer)

16:30 – 18:00

Session 4: Peptide-, Protein Structure and Bioanalytics

Chair: Chiara Cabrele (University of Salzburg)

16:30 – 17:00

Christian Huber (University of Salzburg, Austria):

“Analytical characterization of peptides: recent progress in separation, identification and sequencing”

17:00 – 17:25

Robert van Ling (Thermo Fisher Scientific, The Netherlands):

“Utilizing UHPLC workflows in peptide separations”

17:25 – 17:50

Heidi Pertl-Obermeyer (University Hohenheim, Germany):

“QconCATs: standards for multiplexed absolute quantification of proteins by mass spectrometry”

17:50 – 18:00

Poster Prizes and Closing Remarks

18:00 – 22:00

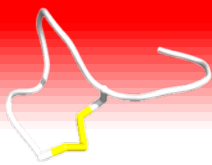
Dinner and Get Together

Dinner buffet provided in the foyer

The meeting is held under the auspices of the European Peptide Society.

We would like to thank our sponsors for this event:





Poster presentations (Foyer)

- Poster 1 **Viktoria Syntschewsk** (Heinrich Heine University Düsseldorf, Germany):
“Synthesis and systematic conformational investigations of α -aminoxy peptoids”
- Poster 2 **Laura Akkari** (University of Duisburg-Essen, Germany):
“Inhibition of amyloid- β aggregation by mono-functionalized gold nanoparticles”
- Poster 3 **Tom Podewin** (Ludwig-Maximilians-University of Munich, Germany):
“Photocontrolled chignolin-derived β -hairpin model peptides”
- Poster 4 **Florian Zauner** (University of Salzburg, Austria):
“Biochemical characterization of peptidase and peptide ligase activities of plant legumains”
- Poster 5 **Waheed Shabbir** (University of Vienna, Austria):
“Glycosylation-dependent activation of ENaC by the TNF- α lectin like domain derived peptide AP301”
- Poster 6 **Luigi Grassi** (University of Salzburg, Austria):
“Strategies for the synthesis of peptidyl salicylaldehyde esters as useful tools for Ser/Thr-based peptide ligation”
- Poster 7 **Mehmet Can Araman** (University of Vienna, Austria):
“Investigating the influence of posttranslational modifications on prion protein”
- Poster 8 **Zita Liutkeviciute** (Medical University of Vienna, Austria):
“Functional role of oxytocin-like neuropeptide signalling in ants”
- Poster 9 **Saskia Neukirchen** (University of Salzburg, Austria):
“Synthesis, conformation and protein recognition of lactam-bridged octapeptides”
- Poster 10 **Roland Hellinger** (Medical University of Vienna, Austria):
“Target deconvolution of immunosuppressive circular plant peptides”
- Poster 11 **Cornelia Roschger** (University of Salzburg, Austria):
“Recombinant expression, purification and stability of full-length and truncated HLH Id2 protein for structural studies”
- Poster 12 **Stefanie Hackl** (University of Vienna, Austria):
“Semisynthesis of lipidated prion protein variants”
- Poster 13 **Maria Matveenko** (University of Vienna, Austria):
“Chemical access to proteins bearing non-enzymatic posttranslational modifications”
- Poster 14 **Corinna Jansen** (Ludwig-Maximilians-University of Munich, Germany):
“Synthesis of chemically modified tumor-associated MUC1 glycopeptide antigen analogs comprising non-natural amino acids”
- Poster 15 **Doris Ellmer** (University of Vienna, Austria):
“Semi-synthesis of full length Tau-4 – strategy and first results”
- Poster 16 **Giulia Di Giglio** (Medical University of Vienna, Austria):
“Pharmacology of novel oxytocin-like neuropeptides from ants”
- Poster 17 **Manuel Hafner** (University of Vienna, Austria):
“Enzyme functionalized biomimetic particles”
- Poster 18 **Isabel Pablos** (University of Salzburg, Austria):
“Physico-chemical and immunological characterization of allergenic defensin-like proteins”
- Poster 19 **Sabrina Wildner** (University of Salzburg, Austria):
“Different susceptibility of Art v 3 to thermal treatment is depending on pH environment”

