

Symposium „Peptide Chemistry Day 2025“

May 21, 2025 at University of Zagreb

SEECEL building, Radoslava Cimermana 88,

10 000 Zagreb, Croatia

Organizing and Scientific committee

Prof. Ruža Frkanec, UNIZG,

Dr. Andreja Jakas, IRB

Prof. Leo Frkanec, IRB

Associate Prof. Danijela Kalafatović, UNIRI

Arijana Mihalić, UNIZG

Preliminary program - Peptide Chemistry Day 2025

8:30 - 9:00	Registration
9:00 - 9:15	Opening
9:15 – 10:00	Prof. Anna Maria Papini , <u>From chemical immunology to medicinal chemistry: the power of peptides to elucidate the mystery of molecular mimicry</u> , University of Florence, Department of Chemistry "Ugo Schiff", Interdepartmental Research Unit of Peptide and Protein Chemistry and Biology
10:00 – 10:25	Prof. Žiga Jakopin , <u>Distinctive Immune Signatures Driven by Structural Alterations in Desmuramylpeptide NOD2 Agonists</u> , Faculty of Pharmacy, Department of Pharmaceutical Chemistry, University of Ljubljana
10:25 – 11:00	<i>Coffe break/poster session</i>
11:00 – 11:30	Short talk Marcela Šišić , <u>Biomimetic Nanomaterials Functionalized with Peptidoglycan Monomer: Studying Carbohydrate-Mediated Interactions for Biomedical Use</u> , University of Zagreb, Center for Research and Knowledge Transfer in Biotechnology Lea Pašalić , <u>Cationic-Hydrophobic Peptides and Their Impact on Model Eukaryotic and Prokaryotic Lipid Membranes</u> , Rudjer Boskovic Institute, Department of Organic Chemistry and Biochemistry, Laboratory for Engineering of Biomembranes, Zagreb Azmiera Zamri , <u>The Antimicrobial Activity and Cytotoxicity Effects of Antimicrobial Peptide Isolated from the Haemolymph of Blow Fly, Chrysomya megacephala</u> , Department of Molecular Biosciences, Faculty of Natural Sciences, University of Graz

11:30 – 11:55	Prof. Larisa Zoranić , <u>Antimicrobial Peptides in the Fight Against Bacterial Resistance: Progress and Challenges Ahead</u> , Department of Physics, Faculty of Science, University of Split
11:55 – 12:20	Dr. Dubravka Gembarovski , <u>Impurity profile characterization of therapeutic peptide using 2D-LC/HRMS</u> , Pliva, Croatia
12:20 – 13:30	<i>Lunch break/poster session</i>
13:30 – 14:15	Prof. Paolo Rovero , <u>Bioactive peptides as valuable cosmeceutical ingredients</u> , University of Florence, Department of NeuroFarBa, Interdepartmental Research Unit of Peptide and Protein Chemistry and Biology
14:15 – 14:40	Prof. Gordan Horvat , <u>Anion-binding properties of small cyclopeptides in solution</u> , Department of Physical Chemistry, Faculty of Science, University of Zagreb
14:40 – 15:05	Dr. Mihaela Matovina , <u>Unraveling the Role of Dipeptidyl Peptidase 3 in Physiology and Pathology</u> , Rudjer Boskovic Institute, Department of Organic Chemistry and Biochemistry, Laboratory for Protein Biochemistry and Molecular Modeling
15:05 – 15:35	<i>Coffe break/poster session</i>
15:35 – 15:50	Dr. Mladena Glavaš , <u>Synthesis and characterisation of peptides with BODIPY fluorophore</u> , Rudjer Boskovic Institute, Department of Organic Chemistry and Biochemistry, Laboratory for synthetic Chemsitry, Zagreb
15:50 – 16:05	Ena Dražić , <u>Fmoc-Amino Acid to Supramolecular Hydrogels</u> , Faculty of Biotechnology and Drug Development, University of Rijeka
16:05 – 16:15	Closing