

Mini symposium „Peptide Chemistry Day“ – Zagreb, September 19, 2019.

09:00 – 9:15 Opening addresses

9:15 – 9:45

Prof.dr.sc. Biserka Prugovečki, Division of General and Inorganic Chemistry ; Department of Chemistry, Faculty of Science, University of Zagreb, Horvatovac 102A, 10000 Zagreb, Croatia:
Crystallization and X-ray crystallographic studies on insulin derivatives

9:45 – 10:15

Dr.sc. Andreja Jakas, Division of Organic Chemistry and Biochemistry, Rudjer Bošković Institute, 10000 Zagreb, Croatia: ***Biologically active peptides and glycopeptides as a result of chemical modification of natural compounds***

10:15 – 10:45

Dr.sc. Goran Kragol, Fidelta Ltd. Prilaz baruna Filipovića 29, 10000 Zagreb, Croatia:
Macrocyclic-inspired peptidomimetics for challenging targets

10:45 – 11:15 Coffee break

11:15 – 11:45

1. **Prof dr.sc. Žiga Jakopin**, Faculty of Pharmacy, Aškerčeva cesta 7, 1000 Ljubljana, Slovenia,
Discovery of potent desmuramylpeptide agonists of the innate immune receptor NOD2 as novel adjuvants

11:45 – 12:15

2. **Prof.dr.sc. Lidija Barišić** – Department of Chemistry and Biochemistry, Faculty of Food Technology and Biotechnology, University of Zagreb, Pierottijeva 6, 10000 Zagreb, Croatia:
Ferrocene peptidomimetics

12:15 – 12:45

3. **Prof.dr.sc. Leo Frkanec**, Division of Organic Chemistry and Biochemistry, Rudjer Bošković Institute, 10000 Zagreb, Croatia: ***Synthesis, characterization and self-assembly of small peptidic gelators based on amyloid β -protein***

12:45 – 14:15 Lunch break

14:15 – 14:45

4. **Dr.sc. Mario Vazdar**, Division of Organic Chemistry and Biochemistry, Rudjer Bošković Institute, 10000 Zagreb, Croatia: ***Interaction of positively charged peptides in water and phospholipid bilayers***

14:45 – 15:15

5. **Dr.sc. Ivanka Jerić**, Division of Organic Chemistry and Biochemistry, Rudjer Bošković Institute, 10000 Zagreb, Croatia: ***Assembly of peptidomimetics by multicomponent reactions.***

15:15 -15:45

6. **Dr.sc. Lidija Varga-Defterdarović**, Institut Ruđer Bošković, Bijenička cesta 54, 10000 Zagreb, Croatia: ***IUPAC – Recommendations for nomenclature and graphical representation in peptide chemistry***

15:45 – 16:15 Coffe break

16:15 – 16:45

7. **Dr.sc. Adela Štimac**, Centre for Research and Knowledge Transfer in Biotechnology, University of Zagreb, Rockefellerova 10, 10000 Zagreb, Croatia: ***Biomolecular interactions of plant lectin and self-assembled hybrid bilayers modified with bacterial peptidoglycan***

16:45 – 17:15

8. **Dr. sc. Rosana Ribić**, Department of Chemistry, Faculty of Science, University of Zagreb, Horvatovac 102A, 10000 Zagreb, Croatia: ***Design, synthesis and immunostimulating activity of mannosylated desmuramyl peptides***

17:15-17:45

9. **Dr.sc. Ruža Frkanec**, Centre for Research and Knowledge Transfer in Biotechnology, University of Zagreb, Rockefellerova 10, 10000 Zagreb, Croatia: ***Peptide Based Synthetic Vaccines: From Epitope to Adjuvants***

17:45 Closing remarks