

Organizatori: Razred za matematičke, fizičke i kemijske znanosti Hrvatske akademije znanosti i umjetnosti, Kemijski odsjek Prirodoslovno-matematičkog fakulteta Sveučilišta u Zagrebu, Institut Ruđer Bošković, Hrvatsko kemijsko društvo

Znanstveno-organizacijski odbor:

Leo Frkanec (IRB), predsjednik
Dražen Vikić-Topić (UniPu)
Davor Margetić (IRB)
Vladislav Tomišić (PMF)
Tomislav Friščić (University of Birmingham)
Dominik Cinčić (PMF)
Mladen Žinić (HAZU)
Gordan Horvat (PMF)
Vladimir Stilinović (PMF)

VI. simpozij supramolekulske kemije (Supramolecular Chemistry 2023) potpomognut je sredstvima Zaklade hrvatske akademije znanosti i umjetnosti (Natječaj Zaklade HAZU za potpomaganje Zakladnih namjena u 2023. godini), sredstvima Instituta Ruđer Bošković iz Fonda za mobilnost istraživača (2023) i Hrvatskog kemijskog društva.

Sponzori:



Knjiga sažetaka

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VI. SIMPOZIJ SUPRAMOLEKULSKE KEMIJE

Supramolecular Chemistry 2023

Knjižnica HAZU, Strossmayerov trg 14, Zagreb

6. prosinca 2023.

supramolchem.org

VI. SIMPOZIJ SUPRAMOLEKULSKE KEMIJE

Supramolecular Chemistry 2023

Supramol IChem2023



PROGRAM

srijeda, 6. prosinca 2023.

08:00 Registracija sudionika

09:00 Otvaranje konferencije: Marko Tadić, tajnik Razreda za matematičke, fizičke i kemijske znanosti HAZU; David Matthew Smith, ravnatelj Instituta Ruđer Bošković; Mirko Planinić, dekan Prirodoslovno-matematičkog fakulteta; Leo Frkanec, Institut Ruđer Bošković

Predsjedavajući sekcije: Leo Frkanec

09:10 Sijbren Otto (University of Groningen, The Netherlands), *Steps Towards the De-Novo Synthesis of Life*

09:55 Josip Požar (PMF), *The Hydrophobically Driven Inclusion Revisited; the Complexation of Simple Aliphatic and Aromatic Compounds with Cyclodextrins and Cucurbiturils*

10:25 STANKA ZA KAVU

Predsjedavajući sekcije: Vladimir Stilinović

10:55 Marijana Radić Stojković (IRB), *Molecular recognition of DNA: RNA hybrid and multistranded structures*

11:25 Ivona Jasprica (Xellia Pharmaceuticals), *Strategies for the development of stable liquid formulations, focusing on interactions between components*

11:55 Zlatko Smole (Xellia Pharmaceuticals), *Data Science methods and their application in pharmaceutical industry*

12:25 Lidija Čakanić (Altium), *Sponzorsko predavanje*

12:35 STANKA ZA RUČAK

Predsjedavajući sekcije: Dražen Vikić-Topić

13:45 Janez Plavec (National Institute of Chemistry, Slovenija), *NMR Revealing the Dynamic Structural Characteristics of DNA*

14:30 Ivan Kodrin (PMF), *Periodic DFT Calculations in the Design of Functional Materials*

15:00 Laura Nuić (PMF), *From self-assembled monolayers and bilayers of aromatic C-nitroso derivatives to azodioxy polymer films on gold surface*

15:15 Ivona Čipor (IRB), *Supramolecular Hydrogels Based on Amino Acids Derivatives for Biomedical Applications*

15:30 STANKA ZA KAVU

Predsjedavajući sekcije: Dominik Cinčić

16:00 Nikolina Vidović (UniRi), *Non-covalent interactions in (cyclo)peptides*

16:30 Matija Modrušan (PMF), *Effect of chain length on the affinities of the short linear homopeptides towards ions in solution*

16:45 Marcela Šišić (UniZg), *Glycoliposomes functionalized with peptidoglycan monomer as supramolecular structures for probing sugar-lectin interactions*

15:00 Posterska sekcija
Predsjedavajući sekcije: Vladimir Stilinović, Leo Frkanec

18:00 Zatvaranje konferencije – završne riječi (Leo Frkanec, IRB)