

**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:**

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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

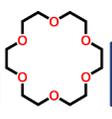
6. prosinca 2023.

[supramolchem.org](http://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)