



## Session topics

➤ Regulation of gene expression
➤ Biomarkers and therapeutics development
➤ Genetics
➤ Systems biology and bioinformatics
➤ Molecular evolution
➤ Biotechnology
➤ Biomarkers and therapeutics development
➤ Molecular basis of disease
➤ Design and structure of proteins
➤ Bioactive compounds and metabolism
➤ Cellular processes and signaling



## Preliminary Program

1 <sup>st</sup> DAY Wednesday, 24 <sup>th</sup> September 2025		
13:00 - 15:15	Registration	
15:30 - 16:00	Opening ceremony	
16:00 - 17:00	Plenary lecture: Jernej Ule, Slovenia - Protein-RNA feedback loops: roles in cellular homeostasis	
17:00 - 18:00	Regulation of gene expression	Biomarkers and therapeutics development
17:00 - 17:30	Erna Karalija, BIH - Heritage of Hardship: Transgenerational Stress Memory in Tomatoes	Olga Gornik, Croatia - N-glycosylation of complement component 3 (C3) as a potential target in type 1 diabetes
17:30 - 18:00	Rosa Karlič, Croatia - Decoding the interplay between the epigenome and mutational processes in cancer	Jelena Vekić, Serbia - Aspects of cardiometabolic risk in women: focus on pregnancy
18:30 - 20:00	Welcome reception	

2 <sup>nd</sup> DAY Thursday, 25 <sup>th</sup> September 2025		
09:00 - 10:00	Plenary lecture: Ivan Mijaković, Sweden - Molecular biology meets nanotechnology: promise of personalized medicine	
10:00 - 11:00	Genetics	Systems biology and bioinformatics
10:00 - 10:30	Lejla Kapur Pojskić, BIH - Novel research insights into biological effects of halogenated boroxine (HB) reconfirm its antitumor potential	Attila Csikász-Nagy, Hungary - From Yeast Cells to Digital Twins: Charting Cellular Networks for Disease and Drug Discovery
10:30 - 11:00	Uroš Potočnik, Slovenia - Multi-omic biomarkers for personalized medicine and molecular mechanisms of non-response to biological drugs in chronic immune diseases	Naris Pojskić, BIH - Innovations in Bioinformatics Tools for the Analysis of Archeogenomics Data
11:00 - 11:30	Coffee break	
11:30 - 12:30	Short Talk Session 1	Short Talk Session 2
11:30 - 11:45	TBA	TBA
11:45 - 12:00	TBA	TBA
12:00 - 12:15	TBA	TBA
12:15 - 12:30	TBA	TBA
12:30 - 13:30	Plenary lecture: Balázs Papp, Hungary - Principles of metabolome evolution	



# FEBS 3+ MEETING

24<sup>th</sup> - 27<sup>th</sup> September, 2025  
Hotel M / Belgrade, Serbia



13:30 - 16:00	<b>Lunch and Poster Presentations 1</b>	
16:00 - 17:00	<b>Molecular evolution</b>	<b>Biotechnology</b>
16:00 - 16:30	<b>Damir Baranašić, Croatia</b> - Sequence determinants of transcription initiation and promoter architecture in vertebrates	<b>Balázs Enyedi, Hungary</b> - Illuminating Leukocyte Migration: Visualizing Chemoattractant Gradients with Novel Fluorescent Probes
16:30 - 17:00	<b>Bálint Csörgő, Hungary</b> - Molecular tools for probing bacteriophage-host interactions in clinical pathogens	<b>Marko Živanović, Serbia</b> - Electrospun Scaffolds: Merging Technology and Biomedicine for Scientific Progress
17:00 - 18:00	<b>Short Talk Session 3</b>	<b>Short Talk Session 4</b>
17:00 - 17:15	TBA	TBA
17:15 - 17:30	TBA	TBA
17:30 - 17:45	TBA	TBA
17:45 - 18:00	TBA	TBA
20:00 - 23:00	<b>Congress dinner</b>	

## 3<sup>rd</sup> DAY Friday, 26<sup>th</sup> September 2025

09:00 - 10:00	<b>Plenary lecture: Ana Cvejić, Denmark</b> - Single-cell multi-omics map of human foetal blood in Down's syndrome	
10:00 - 11:00	<b>Molecular basis of disease</b>	<b>Design and structure of proteins</b>
10:00 - 10:30	<b>Naida Lojo-Kadrić, BIH</b> - Genetic Basis of Coronavirus Associated Dysosmia and Dysgeusia	<b>Marjetka Podobnik, Slovenia</b> - Structural characterization of factors involved in DNA-protein crosslink repair
10:30 - 11:00	<b>Iva Hafner Bratkovič, Slovenia</b> - NLRP3 inflammasome and pyroptosis: from mechanisms to applications	<b>Natalija Polović, Serbia</b> - Amyloids - from pathological protein aggregates to promising nanomaterials
11:00 - 11:30	<b>Coffee break</b>	
11:30 - 12:30	<b>Short Talk Session 5</b>	<b>Short Talk Session 6</b>
11:30 - 11:45	TBA	TBA
11:45 - 12:00	TBA	TBA
12:00 - 12:15	TBA	TBA
12:15 - 12:30	TBA	TBA
12:30 - 15:00	<b>Coffee break, Lunch, Poster presentations 2</b>	





4 <sup>th</sup> DAY Saturday, 27 <sup>th</sup> September 2025		
09:00 - 10:00	Plenary lecture: Lada Lukić Bilela, BIH - Lightless, not lifeless: Extreme habitats as sources of novel bioactive molecules	
10:00 - 11:00	Bioactive compounds and metabolism	Cellular processes and signaling
10:00 - 10:30	Bognár Zita, Hungary - Comparison of Mitochondrial and Antineoplastic Effects of Amiodarone and Desethylamiodarone in Cancer Lines	Mirta Boban, Croatia - Degradation-mediated protein quality control in quiescent cells
10:30 - 11:00	Ivana Beara, Serbia - Wine polyphenols: occurrence and biological activity as a biochemical aspect of wine quality	Tea Lanišnik Rižner, Slovenia - From biomarker discovery to molecular mechanisms: omics approaches in endometriosis
11:00 - 11:30	Coffee break	
11:30 - 12:30	Short Talk Session 7	Short Talk Session 8
11:30 - 11:45	TBA	TBA
11:45 - 12:00	TBA	TBA
12:00 - 12:15	TBA	TBA
12:15 - 12:30	TBA	TBA
12:30 - 13:30	Closing ceremony	

\*Additional SBS sessions will be added soon

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