

**”Advanced Technologies in Laboratory Medicine:
Connecting Science and Clinical Practice”**

November 29, 2025, Zrinjevac Hall, KB “Sveti Duh”, Sveti Duh 64, Zagreb

8:00 - 9:00 REGISTRATION
9:00 - 9:05 OPENING CEREMONY

SECTION I
Biomarkers in Health and Disease

09:05 - 09:35 Neven Žarković, PhD (Ruđer Bošković Institute, Zagreb)
Kratak prikaz odabranih metoda za analizu oksidacijskog stresa

09:35 - 9:55 Morana Jaganjac, PhD (Ruđer Bošković Institute, Zagreb)
Integrative Approaches to Reveal Early Metabolic Drivers of Insulin Resistance

9:55 – 10:15 Nina Milutin, PhD (Ruđer Bošković Institute, Zagreb)
Altered gene methylation in HPV-related cancers as a potential biomarker in clinical practice

10:15 – 10:35 Vedrana Čikeš Čulić, PhD (School of Medicine, Split)
Glycoantigens and diagnostics

Discussion 5 minutes

Coffee break: 10:40 – 11:00

SECTION II
Decoding Cancer: Non-Coding RNAs and Stem Cell-Driven Therapies

11:00 – 11:20 Josipa Skelin Ilić, PhD (Ruđer Bošković Institute, Zagreb)
From Infection to Cancer: The Role of lncRNA in Molecular Diagnostics

11:20 – 11:40 Sandra Marijan, PhD (Faculty of Forensic Sciences, School of Medicine, Split)
Cancer stem cells: New Frontiers in Diagnosis and Therapy of Triple-Negative Breast Cancer

11:40 - 12:00 Tanja Matijević Glavan, PhD (Ruđer Bošković Institute, Zagreb)
Repurposing old drugs to treat cancer stem cells

12:00 – 12:20 Petar Ozretić, PhD (Ruđer Bošković Institute, Zagreb)
Application of Comprehensive Gene Profiling in Personalized Oncology

Discussion 5 minutes

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Lunch pause: 12:25 – 13:25 (Bundek Hall)

POSTER SECTION

SECTION III – Laboratory Science in Action

13:25 – 13:45 Professor Dubravka Švob Štrac, PhD (Ruđer Bošković Institute, Zagreb)
The role of medical laboratory diagnostics in psychiatry

13:45 -14:05 Vlatka Stojačić, MSc BMS (Institute of Pathology and Bacteriology, Clinic
Floridsdorf, Vienna Health Care Group, Vienna, Austria)
Fighting Antimicrobial Resistance: Integrating Science and Daily Practice as a Biomedical
Scientist

14:05 – 14:25 Emsel Papić, MSc BMS (Faculty of Health Studies, University of Sarajevo, Bosnia
and Herzegovina)
Virtual reality as an innovative approach in the education of laboratory professionals in
morphology

14:25 – 14:45 Sophia Godau, BMS (Karolinska Institute, Stockholm, Sweden)
Biomedical Laboratory Scientist – The Diagnostic Leader

Discussion 5 minutes

14:50 The Best Poster Award

CLOSING CEREMONY AND HOLIDAY NETWORKING
(followed by festive mingling at Advent Zrinjevac)