



“Science and us”

Biomedicine and Health PhD Students Congress

University of Rijeka, Faculty of Medicine

14th – 16th May 2026

Rijeka, Croatia

DAY 1 – THURSDAY, MAY 14th, 2026

01. Goran Slivšek	In Silico Assessment Of Carvacrol As A Potential Antibacterial Candidate Against Acinetobacter Baumannii: A Bioinformatics And Cheminformatics Study
02. Siniša Zrna	Temporal Dynamics Of Superoxide Dismutase 1 In Cerebrospinal Fluid Following Severe Neurotrauma: A Potential Indicator Of Patient-Specific Antioxidative Capacity
03. Milos Jovicevic	High Prevalence Of Hypervirulence Among Carbapenem-Resistant Klebsiella Pneumoniae In Serbia: Dominance Of The St147/Blandm-1 Lineage
04. Lucija Librić	Morphological And Transcriptomic Reprogramming Of Carboplatin-Resistant Ovarian Cancer Cells In 3d Culture
05. Linda Jerinić	Long-Term Survival Of Francisella Novicida In Cysts Of Acanthamoeba Castellanii And Its Recovery After Prolonged Intracystic Persistence
06. Milena Gašparović Krpina	Association Of Vitamin D Receptor Gene Polymorphisms With Idiopathic Spontaneous Preterm Birth
07. Milena Gašparović Krpina	Maternal And Neonatal Serum 25(OH)-Vitamin D3 Concentrations And Vitamin D Receptor Gene Polymorphisms In Idiopathic Spontaneous Preterm Birth
08. Silvestar Mežnarić	"One Enzyme, Two Matrices, One Answer: Elisa-Based Dpd Quantification In Plasma And Pbmcs"
09. Kristić Iva	Phytochemical Composition And Antioxidant Activity Of Bay Laurel (Laurus Nobilis L.) Leaf Extracts And Hydrolates From Two Croatian Geographical Regions
10. Mateo Tićac	In Vitro Activity Of Aztreonam-Avibactam And Comparator Agents Against Carbapenemase-Producing Enterobacterales
11. Lucija Malešić	Bone Tissue Analyzes After Maxillary Sinus Lift Using Bovine And Porcine Biomaterial Mixed With Autologous Bone
12. Ivana Stanković Matić	Omics Approach For Discovering Immune Candidate Genes In Multiple Sclerosis
13. Ana-Marija Budeš	The Role Of Extracellular Signal-Regulated Kinases In Mitochondrial Dysfunction
14. Mojca Debeljak	Effect Of Chlorhexidine Exposure On Bisphenol Release From Two Thermoplastic Clear Aligner Materials
15. Renata Vidakovic	What Influences Self-Esteem In Individuals With Dentofacial Deformities?
16. Doris Šimac Pavičić	Translation Of The Pediatric Sleep Questionnaire (Psq) For Screening Sleep-Disordered Breathing In Children: A Comparison Of The Original And Modified Questionnaire Versions
17. Martina Zigante	Ten-Year Trends In Protocols For Maintaining The Stability Of Orthodontic Treatment Outcomes In Croatia: A Repeated Cross-Sectional Survey
18. Renata Štifanić	Bacterial Replication And Inflammatory Cytokine Expression In Macrophages Infected With Different Serogroups Of Legionella Pneumophila"
19. Ema Dejhalla	Not Too Young For Metabolic Syndrome: Lifestyle Patterns In A University Student Population
20. David Zahirović	Beyond Physical Symptoms: The Psychosocial Impact Of Luts Awareness
21. Amna Pezo	Assessment Of Mean Glandular Dose And Exposure Parameters In Mammography
22. Veljanovska Diana	Shoulder Anatomical Variations: Critical Shoulder Angle And Acromion Morphology In Non-Traumatic Rotator Cuff Lesions
23. Martina Trnčević	What Shapes Emotional Empathy? Insights From Secondary-Level Nursing Students
24. Ivana Sović	Gender Differences In The Relationship Between Fatigue, Different Types Of Physical Activity And Postural Changes
25. Bashir Ibrahim	Prevalence Of Malaria Among Children Under Five At Al-Gadarif Pediatric Hospital, Sudan, 2025
26. Martina Trnčević	When Education Progresses But Empathy Does Not: Evidence From Secondary-Level Nursing Students
27. Martina Fiščić Jurković	Long-Term Use Of Proton Pump Inhibitors And Vitamin B12
28. Jiregna Olani Kedida	Federated Learning For Privacy-Preserving Clinical Research: A Systematic Review Assisted By Large Language Models

DAY 2 – FRIDAY, MAY 15th, 2026

01. Nemanja Lilić	Histopathology And Immunohistochemistry In Differential Diagnosis Of Usual Ductal Hyperplasia, Atypical Ductal Hyperplasia And Ductal Carcinoma In Situ: A Retrospective Study
02. Maja Čusek-Šamec	Prevalence Of Vitamin D Deficiency Among Hospitalized Patients With Gastroenterologic Diagnoses In General Hospital Varaždin Gastroenterology Department: A Cross-Sectional Analysis
03. Lucia Klarica	Preoperative Nutritional Support And Postoperative Cognitive Function In Patients Undergoing Open And Laparoscopic Colorectal Surgery
04. Dora Palčevski	Fecal Microbiota Transplantation In Irritable Bowel Syndrome: Current Evidence And Future Perspectives
05. Dijana Miloseva	When Psychiatry Meets Neuroscience: Cognitive Reactivity And Major Depression
06. Jonathan Katende Pinto	A Secure Agentic Artificial Intelligence Framework For Privacy-Preserving Clinical Data Analysis And Decision Support
07. Katja Lipošćak	Determination Of Baseline Aerosol Microbiota During Autopsy With Sedimentation Methods
08. Selma Bajat	Early Therapeutic Plasma Exchange In Hypertriglyceridemia-Induced Acute Pancreatitis: A Case Of Rapid Biochemical And Clinical Stabilization
09. Marino Damić	Microcirculatory Alterations During Cardiac Surgery Measured By Sidestream Dark Field Sublingual Videomicroscopy
10. Kristina Franjić Amančić	Enhanced Detection Of Streptococcus Pneumoniae Using Syndromic Pcr Panels Compared To Conventional Culture
11. Tarik Hasibović	Occupational Therapy In A Patient With Borderline Personality Disorder: A Case Report
12. Eszter Szabina Szilágyi	Strictly Audited Enhanced Recovery After Surgery Program Can Reach Full Protocol Compliance Even In A Resource-Limited Setting
13. Anđela Manojlović	The Anatomical Variations Of The Foramen Magnum And Their Implications On Neurovascular Structures
14. Kiprijanovska Biljana	Does The Apolipoprotein E Genotype Increase The Risk Of Postoperative Delirium In Adult Patients?
15. Seba Aljomaa	Comparing The Effect Of Mobile Applications On Quality Of Life And Anxiety In Individuals Facing Cancer: A Systematic Review And Meta-Analysis
16. Tanja Ivakić	Impact Of Comprehensive Geriatric Assessment On The Course And Side Effects Of Systemic Anti-Tumor Therapy In Elderly Oncology Patients
17. Tudor Spalj Vedrana	Depression And Anxiety In Patients With Spondyloarthritis
18. Odézio Damasceno Brito	Cross-Cultural Adaptation And Preliminary Applicability Of The Wound-Qol Well-Being Index (Womi) For Brazilian Patients With Venous Leg Ulcers
19. Tina Sušan Šepić	Influence Of Thyroid Autoimmunity On Oocyte Maturation, Fertilization And Embryo Development In Assisted Reproductive Technology In Euthyroid Infertile Patients
20. Filip Mustać	Personality Traits, Shame, And Psychological Factors In Women With Obesity And Anorexia Nervosa
21. Azra Fočo	The Impact Of Essential Oils Of Allium Sativum And Origanum Vulgare On The Growth And Development Of Escherichia Coli
22. Karla Vasari	A Contemporary Strategy For Identifying Novel Environmental Legionella Species
23. Ana Barbarić	Antimicrobial Activity Of Pinocembrin And Kaempferol Against Methicillin Resistant Staphylococcus Aureus
24. Nikolina Baumgartner	Clostridium Perfringens As A Potential Indicator Of Bathing Water Quality
25. Marina Zuvic	Establishment Of An In Vitro Protocol For Salvia Ringens Sibth. & Sm. For Future Phytochemical And Biological Activity Studies
26. Daniela Glažar Ivčec	Legionella Spp. On Ships: Prevalence, Molecular Profiles And Key Environmental Drivers Of Proliferation
27. Lea Šarić	Initiative To Establish And The Role Of The Health Resort Commission In The Development Of Health Resort Tourism In Opatija