
*International Scientific Symposium for PhD Students
„Progress and Challenges in Contemporary Medical Research”*



UNIVERSITATEA
DE MEDICINĂ ȘI FARMACIE
VICTOR BABEȘ | TIMIȘOARA

SCIENTIFIC PROGRAMME

**International Scientific Symposium for PhD
Students**

**„Progress and Challenges in Contemporary
Medical Research”**

DOCTORAL SCHOOL OF MEDICINE

May 18-20, 2026

TIMISOARA, 2026

*International Scientific Symposium for PhD Students
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Monday, May 18, 2026 – Iagnov Hall UMFVBT

11:00 – 12:00	Participant registration
12:00 – 12:30	Official opening - Director of the Doctoral School – Medicine Prof. PhD. Daliborca Cristina Vlad
12:30 – 14:30	Workshop: Lecturer PhD. Mihaela Vida Crisan “AI – CHALLENGES AND PERSPECTIVES IN THE BIOMEDICAL FIELD” Applied Computer Science Department, Polytechnic University of Timișoara
14:30 – 15:00	Coffe break & Networking

Doctoral Students Section – oral presentation

15:00 – 18:00	Dania Hasanein^{1,2}, Daniel Lighezan² ATRIAL FIBRILLATION AND COGNITIVE DECLINE: A CARDIO-CEREBRAL PERSPECTIVE. ¹ Doctoral School of Medicine, "Victor Babeș" University of Medicine and Pharmacy Timisoara, Romania, ² Center for Advanced Research in Cardiovascular Pathology and Hemostaseology Larisa Maria Morariu^{1,2}, Maria Alina Lupu^{1,2,3}, Alina Cristiana Craciun⁴, Maria Olimpia Oprea⁵, Daniela Veronica Chiriac^{5,6}, Tudor Rares Olariu^{1,2,3,4} SEROLOGIC SCREENING FOR ANTI-RUBELLA IMMUNOGLOBULIN G ANTIBODIES IN ROMANIA PREGNANT WOMEN: AN UNEXPECTED RATE OF SERONEGATIVITY ¹ Center for Diagnosis and Study of Parasitic Diseases, Victor Babes University of Medicine and Pharmacy, Timisoara, Romania ² Patogen Preventia, Timisoara, Romania ³ Discipline of Parasitology, Department of Infectious Diseases, Victor Babes University of Medicine and Pharmacy, Timisoara, Romania ⁴ Clinical Laboratory, Municipal Clinical Emergency Hospital, Timisoara, Romania ⁵ Gynecology and Obstetrics Clinic, Municipal Clinical Emergency Hospital, Timisoara, Romania ⁶ Department of Obstetrics-Gynecology, Discipline of Obstetrics- Gynecology, Victor Babes University of Medicine and Pharmacy, Timisoara, Romania Cristina Dragomir^{1,2}, Cristina Adriana Dehelean^{3,4}, Nicoleta Marioara Carabă^{2,5}, Roxana Popescu^{2,5} CLINICAL AND SERUM BIOMARKER MONITORING DURING THE POSTPARTUM PERIOD
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¹Doctoral School of Medicine, "Victor Babeş" University of Medicine and Pharmacy from Timișoara

²ANAPATMOL Research Center

³Faculty of Pharmacy, Department of Toxicology, Pharmaceutical Industry, Management, Legislation and Dermatopharmacy

⁴FARMATOX Center for Pharmacotoxicological Evaluation

⁵Department II Microscopic Morphology, Discipline of Cell and Molecular Biology

Bogdan Lolescu^{1,2,3}, Diana Orzața^{1,4,5}, Laurențiu Sima^{4,5}, Adrian Sturza^{2,3}, Danina Muntean^{2,3}

EMPAGLIFLOZIN ATTENUATES ANGIOTENSIN II–TRIGGERED MAO ACTIVATION AND REDOX DYSREGULATION IN HUMAN ADIPOSE TISSUE

¹Doctoral School Medicine, "Victor Babeş" University of Medicine and Pharmacy of Timișoara, Timișoara, Romania

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³Center for Translational Research and Systems Medicine, "Victor Babeş" University of Medicine and Pharmacy of Timișoara, Timișoara, Romania

⁴Department IX Surgery 1 - University Clinic of Surgical Semiology I & Thoracic Surgery, "Victor Babeş" University of Medicine and Pharmacy of Timișoara, Timișoara, Romania

⁵Center for Hepato-Biliary-Pancreatic Surgery, "Victor Babeş" University of Medicine and Pharmacy of Timișoara, Timișoara, Romania

Adelin Ciudoiu¹, Tania Vlad^{1,2,3}, Isabella Ionela Stoian^{1,2,3}, Roxana Popescu^{2,3}

SMART HYDROGELS AND MATRIX CUES FOR DIRECTED EPITHELIAL DIFFERENTIATION AND REPAIR

¹Doctoral School of Medicine, "Victor Babeş" University of Medicine and Pharmacy from Timișoara

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Lavinia Cristina Moatar^{1,2}, Teodora Piros²

DIET-MICROBIOME-HOST INTERACTION – TRANSLATIONAL PERSPECTIVES ON GASTROINTESTINAL AND METABOLIC DISORDERS

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Radu Dumitru Moleriu^{1,2}, Teodora Piros²

THE USE OF MATHEMATICAL MODELING TOOLS IN HEALTHCARE MANAGEMENT FOR A PRECISION DIAGNOSIS – AN INNOVATIVE APPROACH IN CONTEMPORARY MEDICAL RESEARCH

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Tudor Alexandru Popoiu^{1,2}, Anca Cimpean³, Alexandru Pirvu⁴, Selian Pantea⁵, Simona Cerbu⁶, Neagu Adrian⁷, Bojin Florina⁷

FROM TUMOR “-ON-A-” PATIENT TO TUMOR-ON-A-CHIP - BUILDING A TRANSLATIONAL PIPELINE FOR PERSONALIZED SURGICAL ONCOLOGY

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⁴Surgery X Department, Faculty of Medicine, "Victor Babeş" University of Medicine and Pharmacy, Timisoara, Romania

⁵Surgery IX Department, Faculty of Medicine, "Victor Babeş" University of Medicine and Pharmacy, Timisoara, Romania

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Carla Aurelia Stoiacovici^{1,2}, Adrian Cosmin Ilie³

THE LEGAL MANAGEMENT OF MEDICAL MALPRACTICE CASES BETWEEN SCIENCE AND REALITY.

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Ioana Maria Suciu^{1,2,3}, Călin Muntean⁴, Laura Gaiță^{5,6}, Teodora Mateoc-Sîrb^{1,2,3,*}, Daliborca Cristina Vlad^{1,7}, Bogdan Timar^{5,6}, Dan Gaiță^{2,3,8}

SGLT2 INHIBITORS IN ACUTE MYOCARDIAL INFARCTION - FROM EVIDENCE TO CLINICAL PRACTICE.

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Teodora Mateoc-Sîrb^{1,2,3}, Ioana-Maria Suciu^{1,2,*}, Dan Gaiță², Andor Minodora^{3,4}, Roxana Popescu⁵, Tania Vlad⁵, Călin Muntean⁶, Daliborca-Cristina Vlad^{1,5}

EARLY INITIATION OF SGLT2 INHIBITORS IN ACUTE CORONARY SYNDROME FOR CARDIAC REMODELING – TRUTH OR DARE

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Leonard Mada¹, Virgil Paunescu²

SYSTEMATIC REVIEW OF IN-SILICO VACCINE DESIGNS FOR SARS COV-2.

¹Doctoral School, Faculty of Medicine, “Victor Babeş” University of Medicine and Pharmacy, Timisoara, Romania

²Department of Functional Sciences III

Carina Braina^{1,2,3}, Răzvan Gabriel Drăgoi^{2,3}

EDUCATIONAL MEASURES FOR PATIENTS WITH RHEUMATOID ARTHRITIS. A NARRATIVE LITERATURE REVIEW

¹Doctoral School, Faculty of Medicine, “Victor Babeş” University of Medicine and Pharmacy of Timișoara

²University Clinic of Physical Medicine, Balneology and Rheumatology

³Transdisciplinary Research Center in Medical Rehabilitation, Balneology and Rheumatology

Cristina Ilies¹, Monica Simina Mihuta^{2,3}, Paul Paul², Ioana Monica Mozos⁴

EARLY CARDIOMETABOLIC AND VASCULAR COMPLICATIONS OF SEVERE OBESITY IN PRADER–WILLI SYNDROME: A PEDIATRIC CASE

¹Doctoral School, Faculty of Medicine, “Victor Babeş” University of Medicine and Pharmacy of Timișoara

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Florin Damian^{1,2}, Deiana Roman², Caraba Alexandru²

A STUDY OF VASCULAR IMPAIRMENT IN RHEUMATOID ARTHRITIS

¹Doctoral School, Faculty of Medicine, “Victor Babeş” University of Medicine and Pharmacy of Timișoara

²University Clinic of Physical Medicine, Balneology and Rheumatology

Denisa Balosin¹, Raul Ene^{1,2}, Daliborca Cristina Vlad³

CHANGING RESISTANCE PATTERNS AND PHENOTYPIC PREDICTORS AMONG BACTERIAL INFECTIOS

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³Department IV Biochemistry and Pharmacology, Discipline of Pharmacology

Isabella Ionela Stoian^{1,2,3}, Tania Vlad^{1,2,3}, Roxana Popescu^{2,3}

SYNERGISTIC EFFECTS OF NEURAL AND STROMAL CELLS IN CO-CULTURE FOR NEUROREGENERATION

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Tania Vlad^{1,2,3}, Isabella Ionela Stoian^{1,2,3}, Nicolae Balica⁴, Roxana Popescu^{2,3}

ADVANCED BIOINKS AND BIOMATERIALS FOR SCAFFOLD FABRICATION IN ENT REPAIR

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⁴Surgery IX Department, Clinic of ENT, Faculty of Medicine, "Victor Babeş" University of Medicine and Pharmacy, Timisoara, Romania

Popa Valentin-Tudor^{1,2}, Dema Alis²

EX VIVO SKIN ULTRASOUND: HUNTING FOR VALIDATION IN CUTANEOUS ULTRASOUND MEASUREMENT

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Tuesday, May 19, 2026 – Iagnov Hall UMFVBT

12:00 – 13:30 **Workshop: PhD. Cristian Butnaru, ANTISEL**
MOLECULAR BIOLOGY TECHNIQUES FROM THEORY TO PRACTICAL
APPLICATION IN MEDICAL RESEARCH

13:30 – 14:00 **Coffe break & Networking**

International Invited Speakers – plenary section

14:00 – 18:00 **Prof. PhD. Adel Abdelkhalek Sayed Ahmed**, Badr University in Cairo, Egypt
“ONE WORLD-ONE HEALTH”
Prof. PhD. Mahmoud Sayed Abd El-sadek, National Luxor University
South Valley, Luxor, Egypt
SOLAR-DRIVEN H₂O₂ PRODUCTION FROM PURE WATER USING
DESIGNED ZNO NANORODS
Prof. PhD. Youssuf Gherbawy, University of Qena, Egypt
FUNGAL ADAPTATION AND ANTIFUNGAL RESISTANCE: INSIGHTS FROM
ASPERGILLUS Spp
Prof. PhD. Ibrahim Elkalla, Badr University in Cairo, Egypt
ACADEMIC AND RESEARCH EXCHANGE NETWORKS: BRIDGING
DOCTORAL SCHOOLS THROUGH INTERDISCIPLINARITY
Prof. PhD. Mamdouh Mowafy, Badr University in Cairo, Egypt
HYBRID ANN-ARIMA PREDICTIVE FRAMEWORKS FOR ECONOMIC
FORECASTING IN MEDICAL AND HEALTHCARE DOCTORAL RESEARCH
Prof. PhD. Hussein Mahmoud, Badr University in Cairo, Egypt
CROSS-CULTURAL COMMUNICATION DYNAMICS IN HEALTHCARE
PhD. Reham Alaa Elkalla, Badr University in Cairo, Egypt
THE MULTIDISCIPLINARY WARD: HOW PHYSICAL THERAPY DRIVES
SURGICAL PATIENT OUTCOMES

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Wednesday, May 20, 2026 – Iagnov Hall UMFVBT

12:00 – 13:30 **Workshop: PhD. Stud. Brenda Bernad, Prof. PhD. Lavinia Hoge**
HIDDEN COST OF ACADEMIA: DOCTORAL BURNOUT AND MENTAL HEALTH
Neuroscience Department, “Victor Babes” University of Medicine and Pharmacy, 300041 Timisoara, Romania;
Neuropsychology and Behavioral Medicine Center, “Victor Babes” University of Medicine and Pharmacy, 300041 Timisoara, Romania

13:30 – 14:00 **Coffe break & Networking**

International Invited Speakers – plenary section

14:00 – 18:00 **Prof. PhD. Nicolae Corcionivoschi**, Head of the Food Microbiology Department, Principal Scientific Officer at the Agri-Food and Biosciences Institute (AFBI), Belfast, UK
NEW APPROACHES IN MITIGATING THE ROLE OF BACTERIAL PATHOGENS IN GASTROINTESTINAL INFECTIONS.
Prof. PhD. David McCleery, Head of Bacteriology, Agri-Food and Biosciences Institute (AFBI), Belfast, UK
HOW AGRI-FOOD AND BIOSCIENCES UNDERPIN THE 'ONE HEALTH' APPROACH
PhD. Tom Ford, Principal Scientific Officer at the Agri-Food and Biosciences Institute (AFBI), Belfast, UK
VITAMIN D, bTB AND IMMUNE REGULATION: IMPLICATIONS FOR DIAGNOSTICS AND RESILIENCE TO DISEASE
Prof. PhD. Vladimir Jakovljevic, Department of Physiology Faculty of Medical Sciences, University of Kragujevac: Center for experimental and preclinical research, Faculty of Medical Sciences, University of Kragujevac
EXTRAORDINARY SCIENTIFIC BACK UP FOR TRANSLATIONAL RESEARCH
PhD. Stud. Bozidar Pindovic, Department of Pharmacy, Faculty of Medical Sciences, University of Kragujevac

THE EFFECTS OF HYPERBARIC OXYGENATION ON CARDIAC FUNCTION AND REDOX STATUS IN RATS WITH EXPERIMENTAL AUTOIMMUNE MYOCARDITIS.

PhD. Stud. Katarina Djordjevic, Department of Pharmacy, Faculty of Medical Sciences, University of Kragujevac

THE PROTECTIVE CARDIOVASCULAR EFFECTS OF CURCUMIN-BASED HYDROGEL BEADS ON ADJUVANT-INDUCED ARTHRITIS IN RATS.

MD. PhD. Ionut Marcel Cobec, Department of Obstetrics and Gynecology, Faculty of Medicine, Medical Center-University of Freiburg, 79106 Freiburg, Germany, Clinic of Obstetrics and Gynecology, Klinikum Freudenstadt, 72250 Freudenstadt, Germany

PERSONALIZED MEDICINE AND THE EVOLUTION OF PHARMACOLOGICAL TREATMENT CONCEPTS IN GYNECOLOGIC ONCOLOGY

MD. PhD. Peter Seropian, Clinic of Obstetrics and Gynecology, Klinikum Freudenstadt, 72250 Freudenstadt, Germany

POSSIBILITIES AND LIMITATIONS OF MODERN MINIMALLY INVASIVE SURGERY IN GYNECOLOGY