



The 17th National Conference of the Romanian Association of Laboratory Medicine

27 - 29 May 2026 | Business Hotel | Târgu Mureș

ORGANIZING COMMITTEE

TÎRGU MUREȘ

Minodora DOBREANU

Adina HUȚANU

Oana Roxana OPREA

Marta Andrea FODOR

Ion-Bogdan MĂNESCU

Cristina Preda

Ana-Maria FOTACHE

Anca MARINESCU

Ramona URZICĂ

CLUJ NAPOCA

Ioana BRUDAȘCĂ

Cristina SELICEAN

BUCUREȘTI

Ileana CONSTANTINESCU

Andrei George IANCU

Ariadna RĂDULESCU

IAȘI

Daniela JITARU

Iuliu IVANOV

Mihaela ZLEI

SCIENTIFIC COMMITTEE

Minodora DOBREANU

Daniela JITARU

Ileana CONSTANTINESCU

Liliana FOIA

Cristina Daniela DIMITRIU

Ioana BRUDAȘCĂ

Cristina MAMBET

Claudia BĂNESCU

Adina HUȚANU

Oana Roxana OPREA

Cristina SELICEAN

Monica LICKER

Rareș Tudor OLARIU

SCIENTIFIC PROGRAM

27.05.2026 - Laboratory quality management / Clinical Biochemistry / Immunology

28.05.2026 - Microbiology / Immunology/ Molecular Biology

29.05.2026 - Haematology/Transfusiology

Presentations will be assigned the following amount of time:

20 minutes – plenary reports (R)

10 minutes – oral communications (C)

5 minutes – short communications/posters (P)



WEDNESDAY - MAY 27TH

12.00 - 13.00 OPENING CEREMONY / PRESS CONFERENCE

13.00 - 15.00 SESSION 1 | QUALITY CONTROL IN LABORATORY MEDICINE

Chairs: Assoc. Prof. Oana Roxana Oprea, Assist. Prof. Radu Ilinca

C1. REGULATING QUALITY FROM WITHIN: ADMINISTRATIVE REQUIREMENTS AND STANDARDS FOR LABORATORY IQC

Radu Ilinca¹, Ionuț Adrian Chiriac¹

¹UMF Carol Davila București, Romania

R2. NOVEL STATISTICAL METHODOLOGIES, WITH PARTICULAR EMPHASIS ON BAYESIAN APPROACHES TO QUALITY CONTROL AND THEIR APPLICATION IN ENHANCING EFFICIENCY WITHIN MEDICAL LABORATORIES.

Panagiotis Tsiamyrtzis

Dept. of Mechanical Engineering, Politecnico di Milano & Dept. of Statistics, Athens University of Economics and Business

R3. A METROLOGICAL REASSESSMENT OF SYSTEMATIC ERROR COMPONENTS IN CLINICAL LABORATORY QUALITY CONTROL

Ágota Drégelyi-Kiss¹, Atilla Barna Vandra²

¹Óbuda University, Budapest, Hungary, ²Spitalul Clinic Județean de Urgență Brașov, Brașov, Romania

C4. SIGNIFICANT BUT NEGLECTED ERROR SOURCES IN THE CLINICAL LABORATORY

Atilla Barna Vandra

SCJUBv - Brasov, Romania

C5. UNCOVERING MAJOR DEFICIENCIES AND FALSE ASSUMPTIONS IN THE ACTUAL QC SYSTEM, AND A PROPOSED SOLUTION. A ROUND-TABLE DISCUSSION - PROBLEM PRESENTATION

Atilla Barna Vandra¹

¹SCJUBv - Brasov, Romania

C6. THE DEFICIENCIES OF THE WESTGARD RULES-BASED QC SYSTEM

Atilla Barna Vandra¹, Ágota Drégelyi-Kiss²

¹SCJUBv - Brasov, Romania, ²Óbuda University, Budapest, Hungary

C7. AN ALTERNATIVE, COMPUTER-ASSISTED, AND PREVENTIVE QC SYSTEM

Atilla Barna Vandra

SCJUBv- Brasov, Romania

C9. HARMONIZATION OF REFERENCE INTERVALS FOR LEUKOCYTES

Oana Roxana Oprea, Elena Cristina Preda, Raluca Dragomir, Lucian Dohotar, Minodora Dobreanu

UMFST GE Palade Targu Mures, Targu Mures, Romania

C10. ONE HEALTH – ONE QUALITY. THE LABORATORY PERSPECTIVE

Gabriel Ionescu

I.N.C.D.M.M. „Cantacuzino”, București, ²U.M.F. „CAROL DAVILA”, București, Romania

14.40 - 15.00 CliniLab Symposium - Controale MAS de terță parte

Timea Opferman

15.00 - 15.20 Medist Symposium

15.20 - 15.30 Coffee break

15.30 - 17.30 SESSION 2 | CLINICAL BIOCHEMISTRY – IMMUNOLOGY

Chairs: Prof. Minodora Dobreanu, Assoc. Prof. Ioana Brudașcă

R11. LABORATORY-CLINICIAN COMMUNICATION: CHALLENGES AND STRATEGIES FOR IMPROVEMENT

Ioana Brudașcă

University of Medicine and Pharmacy "Iuliu Hațieganu" Cluj Napoca

C12. CSF MEASUREMENTS IN NEW McDONALD DIAGNOSTIC CRITERIA IN Multiple Sclerosis

Rodica Balașa

¹UMFST GE Palade Targu Mures, Targu Mures, Romania

C13. PRECISION MEDICINE IN ALLERGOLOGY: THE ROLE OF CRD IN ALLERGY DIAGNOSIS”

Corina Ureche, Adina Hutanu, Teodora Nicola-Varo

¹UMFST Ge Palade, Targu Mures, România

R14. CLINICAL RELEVANCE OF PIVKA-II IN LIVER PATHOLOGY: COMPARATIVE INSIGHTS WITH AFP AND LABORATORY MARKERS

Ileana Grigore¹, Ecaterina Anisie², Emanuela Gherasim², Mariana Boitan², Anca Cristina Cecati², Luminita Apostu², Daniela Constantinescu^{1,2}, **Mariana Pavel-Tanasa**^{1,2}

¹Grigore T. Popa University of Medicine and Pharmacy Iasi, Iasi, Romania, ²Laboratory of Immunology, Sf. Spiridon County Clinical Emergency Hospital, Iași, Romania, Iasi, Romania

C15. BIOMARKER PROFILES IN CARDIAC RESYNCHRONIZATION THERAPY: TRANSCARDIAC GRADIENTS AND LONGITUDINAL CHANGES

Krisztina Pal, Silvia Lupu, Adina Hutanu, Ioana Sus, Diana Opris, Dan Dobreanu

¹George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș, Târgu Mureș, Romania,

²Emergency Clinical County Hospital, Târgu Mureș, România,

³Advanced Medical-Pharmaceutical Research Center, Târgu Mureș, România

R16. ASSESSMENT OF 25(OH) VITAMIN D STATUS - COMPARABILITY BETWEEN METHODS AND CLINICAL IMPLICATION

Adina Hutanu^{1,2}, Oana Roxana Oprea^{1,2}, Andreea Truța², Minodora Dobreanu^{1,2}

¹"George Emil Palade" University of Medicine, Pharmacy, Science, and Technology of Targu Mures, Targu Mures, Romania, ²Emergency Clinical County Hospital, Central laboratory, Targu Mures, Romania

C17. Influence of VDR, CYP2R1 and GC Polymorphisms on Seasonal 25(OH)D Variation
Carmina Mariana Stroia¹

¹CSBNDIET Precision Nutrition SRL , Tarnaveni, Romania, ² Spitalul Municipal Dr "Ghe Marinescu" Tarnaveni, Tarnaveni, Romania

17.10 - 17.30 Diamedix Symposium

17.30 - 17.45 Roche Symposium - Utilitatea biomarkerului ProC3 impreuna cu algoritmul ADAPT pentru diagnosticarea precoce a fibrozei

Alina Dutu

17.45 - 18.00 Break

18.00 - 19.30 SESSION 3 | IMMUNOLOGY – POSTERS

Chairs: Assoc. Prof. Adina Huțanu, Assoc. Prof. Mariana Pavel-Tanașă

P1. LIQUID BIOPSY IN CANCER

Ana Veselovskaia¹, Anatolie Visnevschi¹, Marina Reabiseva¹

¹Universitatea De Stat De Medicina Și Farmacie "Nicolae Testemițanu", Chișinău, Moldova (the Republic of)

P2. CHARACTERIZATION OF TUMOR-INFILTRATING LYMPHOCYTES AND THE CD4/CD8 RATIO IN COLORECTAL CANCER BY FLOW CYTOMETRY

Diana Andrușca¹, Valentina Stratan¹, Galina Coltuclu¹, Valeri Țuțuianu¹, Veronica Balan¹

¹Laboratory of Immunology and Molecular Genetics, PMSI Oncology Institute, Chișinău, Moldova (the Republic of)

P3. MULTIDISCIPLINARY MANAGEMENT AND THE ROLE OF TUMOR MARKERS IN TESTICULAR EMBRYONAL CARCINOMA FOR AN ADOLESCENT

Anda Florentina Samsudean¹, Crina Cristescu¹, Bianca Elena Socalici¹, Marina Visanescu², Mihai Pirvan¹, Elena Vaduva¹, Lorena Ivona Stefan¹

¹Craiova Emergency County Clinical Hospital, Medical Analysis Laboratory Department, Craiova, Romania,

²Craiova Filantropia Clinical Hospital , Medical Analysis Laboratory Department, Craiova, Romania

P4. CRITICAL FACTORS IMPACTING ON THE SENSITIVITY OF DETECTION OF RARE CELLULAR SUBSETS IN POST-THERAPEUTIC MONITORING OF MULTIPLE MYELOMA PATIENTS

Bianca Filip¹, Diana-Andreea Munteanu², Mihaela Mentel³, Elena Claudia Grigoras¹, Mihaela Zlei¹

¹Regional Institute of Oncology, Iasi, Medical Analysis Laboratory

²Regional Institute of Oncology, Iasi, Hematology Clinic

³Center for Fundamental Research and Experimental Development in Translation Medicine—TRANSCEND, Regional Institute of Oncology, Iasi, Romania

P5. MARKED LEUKOERYTHROBLASTIC REACTION DURING RETICULOCYTE CRISIS: DIAGNOSTIC CHALLENGES IN PERNICIOUS ANEMIA

Luminița Matroș¹, Mădălina Adriana Bordea¹, Lia Sorina Pepelea¹

¹"Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca, Cluj - Napoca, Romania

P6. MICRORNA EXPRESSION IN POLYCYTHEMIA VERA, ESSENTIAL THROMBOCYTHEMIA AND PRIMARY MYELOFIBROSIS

Adriana-Stela Crişan^{1,2,4}, Erzsébet Lázár^{3,4}, Marcela Căndea^{3,4}, Claudia Cârstea², Claudia Bănescu^{1,2,4}

¹ Genetics Department, 'George Emil Palade' University of Medicine, Pharmacy, Science, and Technology, Târgu Mureş, România, ² Genetics Laboratory, Center for Advanced Medical and Pharmaceutical Research, 'George Emil Palade' University of Medicine, Pharmacy, Science, and Technology, Târgu Mureş, România, ³ Department of Internal Medicine, 'George Emil Palade' University of Medicine, Pharmacy, Science, and Technology, Târgu Mureş, România, ⁴Târgu Mureş Emergency Clinical County Hospital, Târgu Mureş, România

P7. SOLUBLE 4-1BB AND PD-L1 AS NON-INVASIVE INDICATORS OF FIBROSIS SEVERITY IN CHRONIC HEPATITIS C

Mariana Pavel-Tanasa^{1,2} Elena Iftimi¹, Emanuela Nechifor¹, Daniela Constantinescu^{1,2}, Corina-Maria Cianga^{1,2},

¹Grigore T. Popa University of Medicine and Pharmacy Iasi, Iasi, Romania,

²Laboratory of Immunology, "St. Spiridon" Clinical County Emergency Hospital, Iasi, Romania

P8. DIAGNOSTIC PERFORMANCE OF THE GAAD SCORE IN HEPATOCELLULAR CARCINOMA

Alina-Gabriela Dutu¹, Cristina Drugan², Tudor Drugan², Zeno Sparchez^{1,2}, Stanca -Lucia Pandrea^{1,2}

¹Institutul Regional de Gastroenterologie si Hepatologie Cluj-Napoca/ UMF "Iuliu Hatieganu" Cluj-Napoca, Cluj- napoca, Romania, ²Universitatea de Medicina si Farmacie "Iuliu Hatieganu" , Cluj-Napoca, Romania

P9. RELATIONSHIP BETWEEN CALLY, HALP AND FIB-4 INDICES IN PATIENTS WITH VIRAL HEPATITIS B

Maria Alina Galatan¹, Adina Hutanu²

¹ "George Emil Palade" University of Medicine, Pharmacy, Sciences and Technology Târgu Mureş, Advanced Medical and Pharmaceutical Scientific Research Maste, Tîrgu Mureş, Romania,

²"George Emil Palade" University of Medicine, Pharmacy, Sciences and Technology Târgu Mureş, Departments of Laboratory Medicine, Tîrgu Mureş, Romania

P10. BIOLOGICAL PROFILE AND PRECANCEROUS LESION PROGRESSION IN ATROPHIC GASTRITIS: COMPARISON BETWEEN HELICOBACTER PYLORI AND AUTOIMMUNE ETIOLOGY

Ana-Maria Filip^{1,2}, Sabrina Nicoleta Munteanu^{1,2}, Anca Negovan^{1,2}

¹Universitatea De Medicină, Farmacie, Ştiinţă si Tehnologie "G.E. Palade", Târgu Mureş, Romania, ²Spitalul Clinic Judeţean de Urgenţă, Târgu Mureş, Romania

P11. CORRELATION BETWEEN TREC/KREC QUANTIFICATION AND IMMUNOPHENOTYPING IN PRIMARY IMMUNODEFICIENCY

Ecaterina Plingau^{1,2}, Victoria Sacara¹

¹Human Molecular Genetics Laboratory, Mother and Child Institute, Chisinau, Republic of Moldova, ² Moldova State University, Chisinau, Republic of Moldova

P12. BIOMARKERS FOR EARLY DETECTION OF INTRAUTERINE GROWTH RESTRICTION

Andreea Bianca Soceanu^{1,2}, Corina Paraschiva Ciobanu¹, Raluca Stefania Stanescu^{1,2}, Daniela Cristina Dimitriu¹

¹Universitatea de Medicina si Farmacie "Grigore T. Popa" , Iasi, Romania, ²Spitalul Judetean Clinic de Urgente "Sf. Spiridon", Iasi, Romania

P13. KEY GENES ASSOCIATED TO PATHOGENESIS OF INTRAUTERINE FETAL GROWTH RESTRICTION

Marta-Denisa Grab¹, Ivona Mitu¹, Daniela-Cristina Dimitriu¹

¹Department of Morpho-Functional Sciences II, University of Medicine and Pharmacy "Grigore T. Popa", 700115 Iasi, Romania, Iasi, Romania

P14. METHYLXANTHINES. THE CLINICAL-BIOLOGICAL IMPACT OF CAFFEINE IN MEDICAL PRACTICE IN A GROUP OF PREMATURE PATIENTS

Simona-Daniela Neamtu¹, Denisa Monica Elena Popescu¹, Costel-Valentin Manda¹, Octavian Croitoru Croitoru¹, Daniela Calucică¹, Ana-Maria Pătrașcu¹, Liliana Stanca¹, Olivia Garofița Mateescu¹, Adela-Valeria Neamțu¹

¹UMF Craiova, CRAIOVA, Romania

P15. OXIDATIVE STRESS AND ANGIOGENIC BIOMARKERS IN PREECLAMPSIA: A COMPARATIVE ANALYSIS OF GPX1, SOD1, VEGF-A, SFLT-1 AND PLGF

Mohamed-Zakaria Assani^{1,2}, Professor Mihail Virgil Boldeanu², Professor Isabela Siloși², Dr Anda Lorena Dijmărescu³, Dr Maria-Magdalena Manolea³, Prof Constantin-Cristian Văduva³, Senior Lecturer Lidia Boldeanu⁴

¹Doctoral School, University of Medicine and Pharmacy of Craiova, Craiova, Romania,

²Department of Immunology, Faculty of Medicine, University of Medicine and Pharmacy of Craiova, Craiova, Romania,

³Department of Obstetrics and Gynecology, Faculty of Medicine, Craiova, Romania,

⁴Department of Microbiology, Faculty of Medicine, Craiova, Romania

P16. PROTEIN BINDING TO POROUS SILICA NANOPARTICLES FOR LABELLING IN LATERAL FLOW IMMUNOASSAY

Sorin Mocanu¹, Dana Stan¹, Andreea Mirica¹, Elena Mocanu¹, Mădălina Axinie¹

¹DDS Diagnostic Srl, Bucuresti, Romania

P17. ANALYTICAL PERFORMANCE COMPARISON OF TWO IMMUNOASSAY PLATFORMS FOR TSH AND TACROLIMUS DETERMINATION

Mariana Pavel-Tanasa^{1,2} Emanuela Gherasim², Ecaterina Anisie², Mariana Boitan², Anca Cristina Cecati², Luminita Apostu²,

¹Grigore T. Popa University of Medicine and Pharmacy Iasi, Iasi, Romania,

²Sf. Spiridon County Clinical Emergency Hospital, Iasi, Romania

P18. PREVALENCE OF ANTI-THYROGLOBULIN ANTIBODIES IN PATIENTS WITH SYSTEMIC AUTOIMMUNE DISEASES COMPARED WITH CONTROLS

Ana-Maria Turcan (Fotache)^{1,2,3}, Lucian Dohotar², Oana Roxana Oprea^{1,2}, Andreea Truța², Minodora Dobreanu^{1,2}

¹George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Targu Mures, Targu Mures, Romania,

²Clinical Laboratory, Emergency County Clinical Hospital of Targu Mures, Targu Mures,

Romania, ³Doctoral School, George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Targu Mures, Targu Mures, Romania

P19. ADAPTING THE MOLECULAR BIOLOGY DEPARTMENT WITHIN THE MEDICAL ANALYSIS LABORATORY FOR SCREENING OF SPINAL MUSCULAR ATROPHY

Stefan Vasile Cristea¹, Laura Gubernat¹, Camelia Grigore¹, Andreea Barbu²

¹Spitalul Clinic de Pediatrie Sibiu, Sibiu, Romania, ²Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca, Romania

THURSDAY – MAY 28TH

08.30 - 09.30 SESSION 4 | MICROBIOLOGY - POSTERS

Chairs: Prof. Roxana Filip, Assoc. Prof. Dragoş Florea

P20. HOW FAST IS POSITIVE? TIME-TO-POSITIVITY AS A MARKER OF PATHOGEN TYPE IN BLOOD CULTURES

Stanca-Lucia Pandrea^{1,2}, Stanca-Maria Pandrea³, Andrei Călin Moise⁴, Alina Gabriela Duţu^{1,2}

¹"Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca, România,

²Regional Institute of Gastroenterology and Hepatology "Prof. Dr. O. Fodor" , Cluj-Napoca, România,

³Clinical Rehabilitation Hospital, Cluj-Napoca, România,

⁴Clinical Institute of Urology and Renal Transplantation, Cluj-Napoca, România

P21. RAPID MOLECULAR TESTING VERSUS ANTIBIOGRAM RESULTS: A DISCUSSION BASED ON PRELIMINARY RESULTS

Andreia Domnica Tatar^{1,2}, Anda Baicus^{1,2}, Monica Dugaescu^{1,2}, Valentina Daniela Sisu^{1,2}

¹Spitalul Universitar De Urgenta Bucuresti, Bucuresti, Romania, ²Universitatea de Medicina si Farmacie Carol Davila, Bucuresti, Romania

P22. ANTIMICROBIAL RESISTANCE TRENDS IN ENTEROCOCCUS SPECIES: A CLINICAL ISOLATE STUDY

Stanca-Lucia Pandrea^{1,2}, Stanca-Maria Pandrea³, Andrei Călin Moise⁴, Alina Gabriela Duţu^{1,2}

¹ "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca, România,

²Regional Institute of Gastroenterology and Hepatology "Prof. Dr. O. Fodor" , Cluj-Napoca, România,

³Clinical Rehabilitation Hospital, Cluj-Napoca, România,

⁴Clinical Institute of Urology and Renal Transplantation, Cluj-Napoca, România

P23. MOLECULAR INVESTIGATIONS AND ANTIBIOGRAM RESULTS IN SYSTEMIC INFECTIONS: PRELIMINARY RESULTS

Andreia Domnica Tatar^{1,2}, Monica Dugaescu^{1,2}, Valentina-Daniela Sisu^{1,2}, Anda Baicus^{1,2}

¹Spitalul Universitar De Urgenta Bucuresti, Bucuresti, Romania, ²Universitatea de Medicina si Farmacie Carol Davila, Bucuresti, Romania

P24. VARIATION IN THE ANTIBIOTIC RESISTANCE PROFILE OF *KLEBSIELLA PNEUMONIAE* STRAINS ISOLATED FROM URINE CULTURES, IN ADULT PATIENTS, BETWEEN 2019 AND 2023, IN A HOSPITAL UNIT

Claudia Daniela Goleanu^{1,2}, Daria Adelina Goleanu³, Ortansa Csutak², Carmen Chifiriuc^{2,4}

¹Spitalul Prof. Dr. Const. Angelescu, Bucuresti, Romania,

²Universitatea din Bucureşti, Facultatea de Biologie, Bucuresti, Romania, ³Universitatea de

Medicină și Farmacie Carol Davila, Bucuresti, Romania, ⁴Universitatea din Bucureşti, Bucuresti, Romania

P25. EVOLUTION OF *KLEBSIELLA PNEUMONIAE* STRAINS PRODUCING CARBAPENEMASES FROM INVASIVE INFECTIONS BETWEEN 2021-2025 IN ELIAS UNIVERSITY HOSPITAL

Cosmin Ionut Badea¹, Cristiana Casota¹, Marilena Filipov¹, Lavinia Radu¹, Flavius Anghel¹, Mariana Buzea¹

¹Spitalul Universitar de Urgenta Elias Bucuresti, Bucuresti, Romania

P26. ENTEROBACTEREALES RESISTANCE AGAINST β -LACTAM ANTIBIOTICS IN THE INTENSIVE CARE UNIT(ICU) OF THE SUCEAVA CLINICAL EMERGENCY COUNTY HOSPITAL DURING 2023-2025 PERIOD

Dănuț Bărbunc^{1,2}, Christina Nicolae², Ramona Avrămia^{1,2}, Ancuța Pascariu^{1,2}, Roxana Filip^{1,2,3}

¹ Ovidius Constanța University

² Suceava Clinical Emergency County Hospital

³ Faculty of Medicine and Biological Sciences, Ștefan cel Mare Suceava University

P27. LABORATORY DIAGNOSTIC OF NON TUBERCULOUS MYCOBACTERIA: SEARCH AND YOU WILL FIND

Roxana Filip^{1,2,3}, Ruxandra Filip^{4,5}

¹Universitatea Ovidius , Constanta, Romania,

²Spitalul Clinic Judetean de Urgenta Sf Ioan Cel Nou , Suceava, Romania,

³Universitatea Stefan cel Mare, Suceava, Romania,

⁴UMFST, Tg Mures, Romania, ⁵Saint Andrew the Apostle County Emergency Clinical Hospital, Suceava, Romania

P28. CASE REPORT – COMPLICATIONS OF CMV INFECTION REACTIVATION IN PATIENTS WITH NON-HODGKIN LYMPHOMA

Constantin Catalin Matei¹, Andreea-Cezara Vasiliu¹, Raluca Papagheorghe¹, Cristian Tudor Barta¹, Andra Raluca Rusea-Houghton¹

¹Spital Clinic Coltea, Bucuresti, Romania

09.35 - 09.50 AMS 2000 Symposium - The Aerospray® Microbiology Stainers: Save Time. Achieve Perfection

[Sarah Fiers](#)

[Specialist diagnostic staining solutions | ELITech Biomedical Systems \(Bruker\)](#)

09.50-10.00 Bivaria Symposium: Mindray Microbiology Solution: Optimized Workflow for Rapid Diagnosis of Bloodstream Infections

10.00 - 10.30 Coffee break

10.30 - 12.15 SESSION 5 | MICROBIOLOGY

Chairs: Prof. Monica Licker, Prof. Tudor Rareș Olariu

R18. HOW ARTIFICIAL CAN BIOBANK INTELLIGENCE BE? A CONSERVATIVE APPROACH

[Alexandra-Maria Născuțiu](#)¹

¹INCDMM Cantacuzino / UMF Carol Davila, București, Romania

R19. TARGETED INTERVENTIONS ON THE HUMAN MICROBIOTA - POTENTIAL STRATEGIES TO COMBAT ANTIMICROBIAL RESISTANCE

[Dragos Florea](#)¹

¹Institutul National de Boli Infectioase "Prof Dr Matei Bals", Bucuresti, Romania, ²Universitatea de Medicina si Farmacie Carol Davila, Bucuresti, Romania

C20. FROM ANTIBIOGRAM TO ANTIBIOTIC SELECTION: A PRACTICAL APPROACH TO MULTIDRUG-RESISTANT GRAM-NEGATIVE BACILLI (MDR-GNB) INFECTIONS

Annamaria Foldes^{1,2}

¹Department of Microbiology, Laboratory of Medical Analysis, "Dr. Constantin Opreș" County Emergency Hospital, Baia Mare, Romania,

²Department of Microbiology, Faculty of Nursing and Health Sciences, "Iuliu Hatieganu" University of Medicine and Pharmacy,, Cluj Napoca, Romania

C21. SURVEILLANCE OF ANTIBIOTIC RESISTANCE OF STRAINS ISOLATED FROM ONCOLOGY PATIENTS IN IRO IASI - TRANSFORMATION OF LABORATORY DATA INTO CLINICAL ACTION

Copăcianu Brîndușa, Fotache Florina, Toma Raluca -Ioana, Apetrii Magdalena, Jitaru Daniela
Regional Institute of Oncology Iasi

R22. MICROBIOLOGICAL TRENDS AND PREDICTIVE RISK FACTORS IN BURN PATIENTS

Monica Licker^{1,2}, Corina Musuroi^{1,2}, Oana Izmendi^{1,3}, Baditoiu Luminita^{1,4}, Zorin Petrisor, Crainiceanu^{1,5,6}, Panche Taskov^{3,6}, Delia Muntean^{1,2}

1: Multidisciplinary Research Centre of Antimicrobial Resistance, University of Medicine and Pharmacy, Timisoara

2: Microbiology Laboratory, "Pius Brânzeu" County Clinical Emergency Hospital, Timisoara,

3: Doctoral School, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania;

4: Epidemiology Department, "Victor Babes" University of Medicine and Pharmacy, Timisoara,

5: Plastic Surgery Department, "Victor Babes" University of Medicine and Pharmacy, Timisoara,

6: Burn Unit, Plastic and Reconstructive Surgery Department, Casa Austria, "Pius Brânzeu" Emergency County Clinical Hospital, Timisoara, Romania

R23. INTEGRATED LOW-COST DIAGNOSTIC MODEL FOR URINARY TRACT INFECTIONS: COMBINING MICROBIOLOGICAL DATA, HOST RESPONSE, AND RISK STRATIFICATION IN RESOURCE-LIMITED LABORATORIES

Irina Codita

"Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania

S.C. Binafarm S.R.L. Bucharest, Romania

C24. HUMAN CRYPTOSPORIDIOSIS IN WESTERN ROMANIA

Tudor Rares Olariu

Discipline of Parasitology Victor Babes University of Medicine and Pharmacy Timisoara

12.15 - 13.15 Snibe Symposium

13.15 - 14.30 Lunch break

14.30 - 16.30 SESSION 6 | FROM MOLECULAR MECHANISMS TO PRECISION MEDICINE: IMMUNOLOGICAL PERSPECTIVES IN TRANSLATIONAL MEDICINE

Chairs: Prof. Ileana Constantinescu, Prof. Claudia Bănescu

14.30-15.00 Abbott Symposiums

Impact on patient care with BRAHMS PCT assays

Łukasz Stypiński

Procalcitonina: performanță analitică și aplicații clinice pe platformele Abbott Alinity și Architect

Dana Taflan

15.00 - 15.20 Thermo Fisher Symposium - Driving Clinical Lab Excellence with Thermo Fisher Scientific

Lukasz Stypiński

C25. GERMLINE AND SOMATIC MUTATION TESTING IN CANCER: PRACTICAL CONSIDERATIONS AND CHALLENGES

Claudia Banescu

¹George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș, Târgu Mureș, Romania,

²Emergency Clinical County Hospital, Târgu Mureș, România,

³Advanced Medical-Pharmaceutical Research Center, Târgu Mureș, România

C26. EXPERIENCE IN USING THE GENIUS DIGITAL SCANNING SYSTEM FOR LIQUID-BASED CERVICOVAGINAL CYTOLOGY (THINPREP)

Irina Ioana Nechiforiuc¹

¹Laborator Central Regina Maria, București, Romania

C27. Clinical Relevance of Silent and Null Alleles in Solid Organ and Bone Marrow Allotransplantation

Ileana Constantinescu^{1,2,3}, Ion Maruntelu²

¹Faculty of Medicine, "Carol Davila" Medical University Bucharest, 020021 Bucharest, Romania

²Fundeni Centre for Immunogenetics and Virology, Fundeni Clinical Institute, 022328 Bucharest, Romania

³"Emil Palade" Center of Excellence for Young People in Scientific Research (EP-CEYR), Academy of Romanian Scientists, 030167 Bucharest, Romania

C28. The Importance of Allelic Matching in Allogeneic Bone Marrow Transplantation: Impact on Long-term Post-Transplant Survival

Ileana Constantinescu^{1,2,3}, Ion Maruntelu²

¹Faculty of Medicine, "Carol Davila" Medical University Bucharest, 020021 Bucharest, Romania

²Fundeni Centre for Immunogenetics and Virology, Fundeni Clinical Institute, 022328 Bucharest, Romania

³"Emil Palade" Center of Excellence for Young People in Scientific Research (EP-CEYR), Academy of Romanian Scientists, 030167 Bucharest, Romania

C29. The Role of mRNA in Bladder Cancer

Ion Maruntelu², Ileana Constantinescu^{1,2,3}

¹Faculty of Medicine, "Carol Davila" Medical University Bucharest, 020021 Bucharest, Romania

²Fundeni Centre for Immunogenetics and Virology, Fundeni Clinical Institute, 022328 Bucharest, Romania

³"Emil Palade" Center of Excellence for Young People in Scientific Research (EP-CEYR), Academy of Romanian Scientists, 030167 Bucharest, Romania

C30. MicroRNA-150 as promising biomarker in minimally invasive diagnostic of melanoma

Nina Ivanovic^{1,2,3}, Andreea Salcudean⁴, Marina-Adriana Mercioni⁵, **Raluca Dumache**^{1,2}

¹ "Victor Babes" University of Medicine and Pharmacy Timisoara, Romania

² Research Centre of Ethics in Human Genetic Identification (EtlGen) "Victor Babes" University of Medicine and Pharmacy Timisoara, Romania

³ Doctoral School of Medicine "Victor Babes" University of Medicine and Pharmacy Timisoara, Romania

⁴ University of Medicine, Pharmacy, Science and Technologies "George Emil Palade" Targu Mures, Romania

⁵ Politehnica University Timisoara, Romania

C31. A New Biomarker in the Monitoring of Renal Transplant Patients

Ion Maruntelu², Ileana Constantinescu^{1,2,3}

¹ Faculty of Medicine, "Carol Davila" Medical University Bucharest, 020021 Bucharest, Romania

² Fundeni Centre for Immunogenetics and Virology, Fundeni Clinical Institute, 022328 Bucharest, Romania

³ "Emil Palade" Center of Excellence for Young People in Scientific Research (EP-CEYR), Academy of Romanian Scientists, 030167 Bucharest, Romania

C32. THE MONITORING OF ANTI HLA IMMUNIZATION POST RENAL TRANSPLANT-CASE STUDY

Ruxandra Caisan¹, Lorena Ulea¹, Ana Moise¹, Ioana Gingu¹, Bogdan Sorohan², Monica Dutescu¹, Bucharest, Romania²

16.45 - 17.00 Coffee break

17.00 - 19.30 SESSION 7 | IMMUNOLOGY - CLINICAL BIOCHEMISTRY

Chairs: Prof. Liliana Georgeta Foia, Prof. Daniela-Cristina Dimitriu

17.00 - 17.30 Sante Symposium - The importance of pre-and post-analytical workflow automation

Patricia Hoffmann

NGNY Devices

17.30 - 17.45 Roche Symposium - Laboratoarele viitorului cu solutiile Navify si Cobas

R33. MODULATION OF THE INFLAMMATORY RESPONSE IN CHILDREN WITH LEUKEMIA IN THE CONTEXT OF GINGIVO-PERIODONTAL ALTERATIONS

Liliana Georgeta Foia^{1,2}, Alina Elena Adumitroaie³, Ancuța Goriuc¹, Codruța Minerva Bădescu^{1,4}, Larisa Ghemiș¹, Vasilica Toma³

¹ Department of Biochemistry, "Grigore T. Popa" University of Medicine and Pharmacy, Iasi

² Laboratory of Medical Analysis, "Sf. Spiridon" County Emergency Clinical Hospital, Iasi

³ Department of Pediatric Dentistry, "Grigore T. Popa" University of Medicine and Pharmacy, Iasi,

⁴ Department of Internal Medicine, "Sf. Spiridon" County Emergency Clinical Hospital, Iasi, Romania

C34. Dyslipidaemia prevalence in Romanian adults: retrospective analysis from four tertiary medical centers

Minodora Dobreanu^{1,2}, Mihaela Zaharia¹, Oana Roxana Oprea^{1,2}, Antoanela Curici³, Ariela Oltean⁴, Marcela Bota⁵, Rodica Boca⁶, Ion Bogdan Mănescu^{1,2}

¹UMFST GE Palade Targu Mures, Romania

²Emergency Clinical County Hospital, Central laboratory, Targu Mures

³Synevo Central laboratory, Bucuresti

⁴Clinical County Hospital, Sibiu

⁵Clinical County Hospital, Oradea, Romania

⁶Dorna Medicals

C35. EVOLUTION OF PROINFLAMMATORY MARKERS IN PATIENTS WITH ATRIAL FIBRILLATION AND TYPE II DIABETES MELLITUS

Olga Bernaz, ² Valentina Voicu, ³ Ion Gobjila, ⁴ Anatolie Vişnevschi, ⁵ Livi Grib

¹USMF "Nicolae Testemiţanu", Chisinau, Moldova (the Republic of)

C36. UNTARGETED METABOLOMICS IN PREDIABETES: PREDICTIVE BIOMARKERS, METABOLIC MEDIATORS, AND IMPLICATIONS FOR PRECISION MEDICINE

Ivona Mitu¹, Elena Petrescu-Danila¹, Corina Paraschiva Ciobanu¹, Cristina Dimitriu¹

¹Grigore T. Popa University of Medicine and Pharmacy Iasi, Romania

R37. PROTEIN GLYCATION: FROM PHYSIOLOGICAL TO PATHOLOGICAL

Daniela Cristina Dimitriu¹, Nina Filip¹, Ivona Mitu¹, Corina Paraschiva Ciobanu¹, Gabriela Bordeianu¹

¹Department of Morphofunctional Sciences II, Discipline of Biochemistry, "Grigore T. Popa" University of Medicine and Pharmacy, 700115 Iaşi, Romania, Iasi, Romania

C38. THE PROGNOSTIC ROLE OF COMPLETE BLOOD COUNT-DERIVED PARAMETERS IN PATIENTS WITH OBLITERATIVE ARTERIOPATHY WITH AND WITHOUT INFECTIOUS GANGRENE

Eniko Nemes-Nagy^{1,2}, Orsolya-Zsuzsa Akácsos-Szász^{1,4}, Sándor Pál³, Róbert Nemes-Nagy¹, Zsuzsánna Simon-Szabó^{1,2}, Enikő-Csilla Barabás^{1,5}, Adrian Man^{1,5}, Mariana Cornelia Tilinca^{1,2}

¹GEPUMPhST of Târgu Mureş, Târgu Mureş, Romania,

²Emergency County Clinical Hospital of Târgu Mureş, Târgu Mureş, România,

³University of Pécs, Hungary, Clinical Center, Department of Transfusion and Laboratory Medicine, Pécs, Hungary,

⁴Gheorgheni Municipal Hospital, General Surgery Section, Gheorgheni, România,

⁵County Clinical Hospital of Târgu Mureş, Medical Laboratory, Târgu Mureş, România

C39. DYNAMIC ASSESSMENT OF METABOLIC PARAMETERS AND INFLAMMATORY MARKERS IN DIABETIC AND NON-DIABETIC PATIENTS WITH PERIPHERAL ARTERIAL DISEASE UNDERGOING SURGICAL INTERVENTION

Eniko Nemes-Nagy^{1,2}, Orsolya-Zsuzsa Akácsos-Szász^{1,5}, Sándor Pál³, Adina Huţanu^{1,4}, Zsuzsánna Simon-Szabó^{1,2}, Mariana Cornelia Tilinca^{1,2}

¹George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureş, Târgu Mureş, Romania,

²Emergency Clinical County Hospital, Târgu Mureş, România,

³University of Pécs, Clinical Center, Department of Transfusion and Laboratory Medicine, Pécs, Hungary,

⁴Advanced Medical-Pharmaceutical Research Center, Târgu Mureş, România,

⁵Gheorgheni Municipal Hospital, General Surgery Section, Gheorgheni, România

C40. THE RELATIONSHIP BETWEEN THE ALBUMIN/CREATININE RATIO (ACR) AND URINE SEDIMENT: CORRELATIONS AND DISCREPANCIES IN THE EVALUATION OF RENAL PATHOLOGY

Sorin Giju¹, Daniela Grecu^{1,4}, Florica Gădălean^{2,5}, Daliborca Vlad^{1,3}, Mihaela Duma¹, Mirela Ruxandra¹

¹Central Laboratory, Clinical County Emergency Hospital "Pius Brânzeu", Timisoara, Romania,

²Clinical Nephrology Department, Clinical County Emergency Hospital "Pius Brânzeu", Timisoara,

³"Victor Babeş" University of Medicine and Pharmacy, Department of Pharmacology, Timisoara,

⁴"Victor Babeş" University of Medicine and Pharmacy, Department of Biochemistry, Timisoara,

⁵"Victor Babeş" University of Medicine and Pharmacy, Department of Nephrology, Timişoara, Romania, "Victor Babeş" University of Medicine and Pharmacy, Department of Nephrology, Timişoara, Romania

19.30 Gala Dinner | Boema Events Center

FRIDAY - MAY 29TH

08.30 - 10.00 SESSION 8 | TRANSFUSION MEDICINE

Chair: Assoc. Prof. Cristina Mambet, Dr. Andrei George Iancu

R41. LABORATORUL CENTRAL DE IMUNOHEMATOLOGIE AL INSTITUTULUI NAȚIONAL DE TRANSFUZIE SANGUINĂ „PROF. DR. C.T. NICOLAU”: REACTIVARE, ATRIBUȚII ȘI PERSPECTIVE ÎN ERA MEDICINEI MOLECULARE DE PRECIZIE

Andrei George Iancu

Institutul National de Tranfuzie Sanguina, Bucuresti, Romania

C42. IMPORTANTA CLINICA MAJORA A CELOR MAI SIMPLE ANALIZE DE LABORATOR IN MEDICINA TRANSFUZIONALA- GRUPAJUL SANGUIN LA PATUL BOLNAVULUI (BAZE STIINTIFICE, BAZE LEGALE SI CAZURI CLINICE)

Georgeta Hanganu¹, Andreea Iancu²

¹Centrul de Transfuzie Prahova, Ploiesti, Romania, ²Institutul National de Medicina Aeronautica si Spatiala, Bucuresti, Romania,

C43. DETERMINATION OF ANTI-ERYTHROCYTE ANTIBODIES AS AN IMPORTANT STEP IN TRANSFUSION SAFETY - PARTICULARITIES OF THE POLYTRANSFUSED PATIENT WITH THALASEMIA MAJOR

Larisa Diana Nitu¹, Cristina Ioana Mitru¹, Maria Daniela Voicu¹

¹Institutul National De Transfuzie Sanguina, Bucuresti, Romania

C44. SEROLOGICAL SCREENING STRATEGIES IN TRANSFUSION MEDICINE: RETROSPECTIVE ELISA ANALYSIS AND EVALUATION OF CHEMILUMINESCENT METHODS

Irina Gabriela Răchită¹, Alexandra-Oana Șerban², Raluca Suciu³

¹CTSMB-LABORATOR MTS, BUCUREȘTI, ROMANIA,

²INTS-LCR-MTS, BUCUREȘTI, ROMANIA,

³CTSMB-LABORATOR IMUNOHEMATOLOGIE, BUCUREȘTI, ROMANIA

C45. TRANSMITTED INFECTIONS THROUGH BLOOD TRANSFUSIONS IN ROMANIA

Oana-Alexandra Serban¹, Diana Maria Cirstea¹

¹Institutul National De Transfuzie Sanguina "prof. Dr. Ct. Nicolau", Bucuresti, Romania

C46. PREMATURITY DRIVES TRANSFUSION NEEDS: EVIDENCE FROM NEONATAL PRACTICE IN A REGIONAL CENTER

Alina Voicu¹

¹Insmc Alessandrescu-Rusescu, Bucuresti, Bucuresti, Romania

C47. WHEN RED BLOOD CELL TRANSFUSION BECOMES A CHALLENGE: AN IMMUNOHEMATOLOGY CASE SERIES FROM THE BUCHAREST BLOOD TRANSFUSION CENTER

Raluca Suciu¹, Adriana Stancu¹, Ioana Cojocar¹, Meda Cosma¹, Mariana Ailenei¹, Alexandra Iuliana Zagrean¹, Lucia Elena Grijac²

¹Immunohematology Laboratory, Bucharest Blood Transfusion Center, Bucharest, Romania,

²Field Coordination Department, Bucharest Blood Transfusion Center, Bucharest, Romania

10.00 - 10.15 Coffee break

10.15 - 10.45 Top Diagnostics Symposium - One Platform, Two Disciplines: Integrating Haematology and Haemostasis with the Sysmex BloodScience Workcell Solution

George Tarpley

Sysmex UK

10.45 - 13.00 SESSION 9 | HEMATOLOGY

Chair: Prof. Ana Maria Vlădăreanu, Dr. Daniela Jitaru

C48. ALGORITHM FOR DIAGNOSIS AND MANAGEMENT OF LABORATORY TESTS FOR THE HEMATO-ONCOLOGY PATIENT WITH DIC

Daniela Jitaru¹, Emanuela Achiței¹, Raluca Oană¹, Alina Veringu¹

¹Department of Hematology and Hemostasis, Medical Analysis Laboratory, Regional Institute of Oncology, Iași.

C49. JAK2 V617F CLONAL HEMATOPOIESIS AND EARLY DIAGNOSIS OF MYELOPROLIFERATIVE NEOPLASMS

Cristina Mambet^{1,2,3}, Andrada-Amira Voinovici¹, Ana Iulia Neagu^{1,2}, Carmen Diaconu³, Ana Maria Vladareanu^{1,2}

¹"Carol Davila" University of Medicine and Pharmacy, Bucharest

²Hematology Unit, Bucharest Emergency University Hospital

³"Stefan S Nicolau" Institute of Virology, Bucharest

C50. PRACTICAL DIAGNOSTIC APPROACH TO LYMPHOCYTOSIS IN ADULT PATIENTS

Ana Maria Vladareanu^{1,2}, Tatiana Cristina Dobre^{1,2}, Andrada-Amira Voinovici¹, Alina Mititelu^{1,2}, Andreea Cornelia Neculcea², Cristina Mambet^{1,2}

¹"Carol Davila" University of Medicine and Pharmacy, Bucharest

²Hematology Unit, Bucharest Emergency University Hospital

C51. THE JOURNEY FROM INTERNATIONAL CONSENSUS TO ROUTINE HEMATO-ONCOLOGY LABORATORY TESTS

Mihaela Zlei¹, Mihaela Mentel², Elena Claudia Grigoras¹, Daniela Jitaru¹

¹Department of Flow Cytometry, Medical Analysis Laboratory, Regional Institute of Oncology, Iași;

²Center for Fundamental Research and Experimental Development in Translational Medicine—TRANSCEND, Regional Institute of Oncology, Iași, Romania

C52. THE IMPACT OF NGS TECHNOLOGY ON THE DIAGNOSIS, PROGNOSIS, AND THERAPEUTIC MANAGEMENT OF MYELODYSPLASTIC SYNDROMES

Loredana Mihaiela Dragos¹, I.C. Ivanov¹, Cojocaru Karina¹, Elena Nisioi¹, Madalina Stefan¹, „ Mihaela Mentel^{1,4}, Mihaela Zlei¹, Claudia Gorovei¹, Amalia Titianu^{2,3}, Angela Smaranda Dascalescu^{2,3}, Daniela Jitaru¹

1. Molecular Diagnosis Department, Regional Institute of Oncology, 700483 Iași, Romania;

2. Department of Hematology, Regional Institute of Oncology, 700483 Iași, Romania;

3. Department of Hematology, "Grigore T. Popa" University of Medicine and Pharmacy, 4.Center for Fundamental Research and Experimental Development in Translation Medicine -

TRANSCEND, Regional Institute of Oncology, 700483 Iași, Romania;

C53. Evaluation of BMR in LAM through molecular biology techniques

I.C. Ivanov¹, Karina Cojocaru ¹, Adriana Sireteanu¹, Iuliana Strugariu¹, Mihaela Loredana Dragos¹, Mihaela Mentel¹, Claudia Gorovei¹, Mihaela Zlei¹, Carmen Cozmei¹, Elena Nisioi¹, Stefan Madalina¹, Angela Dascalescu^{2,3}, C. Danaila^{2,3}, I. Antohe², Gabriela Dorohoi³, Daniela Jitaru¹

¹Laboratory of Molecular Diagnostic, Regional Institute of Oncology, Iasi, Romania, ²University of Medicine and Pharmacy, "Gr. T. Popa", Iasi, Romania, ³Hematology Clinic, Regional Institute of Oncology, Iasi, Romania

C54. ACUTE PROMYELOCYTIC LEUKEMIA WITH BASOPHILIC DIFFERENTIATION: CYTOLOGICAL AND IMMUNOPHENOTYPIC FEATURES OF A RARE VARIANT – CASE REPORT

Claudia Brancsik¹, Mirela Marian¹, Florina Florea¹, Elena Cristina Selicean¹

¹Departamentul de Hematologie, Institutul Oncologic "Prof. Dr. Ion Chiricuta" , Cluj-Napoca, Romania

C55. MOLECULAR DIAGNOSTICS IN SOLID TUMORS: INTEGRATING LABORATORY ANALYSIS INTO CLINICAL PRACTICE

Karina-Alexandra Cojocaru^{1,2}, Mihaela Loredana Dragos¹, Iuliu Ivanov¹, Daniela Jitaru¹

¹ Molecular Diagnostics Department, Regional Institute of Oncology, Iasi, Romania

²"Grigore T. Popa" University of Medicine and Pharmacy, 16 University Street, 700115 Iasi, Romania

C56. MORPHOLOGICAL RED FLAGS IN PERIPHERAL BLOOD AND BONE MARROW: INTRACYTOPLASMIC INCLUSIONS, MICROORGANISMS AND CRYSTALLINE STRUCTURES IN INFECTIOUS CYTOPENIAS

Rodica Mirela Gheorghe¹, Ariela Ligia Olteanu¹, Liliana Corina Mocanu¹, Vlad Ercuta¹

¹Laborator Clinic de Analize Medicale, Spitalul Clinic Județean de Urgență, Sibiu, Romania

C57. B LYMPHOBLASTIC LEUKEMIA WITH KMT2A REARRANGEMENT CASE PRESENTATION

Liliana Corina Mocanu¹, Rodica Gheorghe¹, Vlad Ercuta¹, Adriana Popescu², Ariela Ligia Olteanu¹, Flavius Galca¹, Alina Camelia Catana¹

¹Emergency County Hospital Sibiu, Sibiu, Romania

²„Lucian Blaga” University, Sibiu

13.05 - 13.20 Altona Diagnostic Symposium - Viral Infections in Patients with Malignant Diseases- Role and Rationale of The Molecular Diagnosis and the Viral Load Measurement

Raluca Papagheorghe, Cătălin Constantin Matei, Andra Raluca Rusea-Houghton
Clinic Hospital Colțea, Municipiul București, Romania

13.20 - 13.30 Medlife Symposium

13.30 - 14.30 Lunch break

14.30 - 16.30 SESSION 10 | CLINICAL BIOCHEMISTRY, MOLECULAR BIOLOGY – POSTERS

Chair: Assist. Prof. Ion-Bogdan Mănescu, Assist. Prof. Karina-Alexandra Cojocar

P29. ELECTRICAL ISOFOCUSING: AN ESSENTIAL METHOD FOR ADVANCED PROTEIN ANALYSIS

Márta Andrea Fodor^{1,2}

¹UMFST George Emil Palade, Târgu Mureș, Romania, ²Târgu Mureș County Emergency Clinical Hospital

P30. MORPHOLOGICAL CHARACTERIZATION OF A LIPID NANOPARTICLE-mRNA PLATFORM FOR TAILORED MOLECULAR THERAPIES

Daciana Silvia Marta^{1,2}, Roua Gabriela Popescu^{3,4}, George Catalin Marinescu^{3,4}, Tudor Emanuel Fertig^{1,5}

¹Victor Babeș National Institute of Pathology, Bucharest, Romania,

²Faculty of Medicine, Titu Maiorescu University, Romania,

³Asociația Independent Research, Romania,

⁴Blue Screen SRL, Romania,

⁵Carol Davila University of Medicine and Pharmacy, Romania

P31. COMPARABILITY OF URINARY PROTEIN AND ALBUMIN DETERMINATIONS IN ROUTINE URINALYSIS USING THE LABUMAT 2 AND ATELLICA 1500 URINE ANALYZERS

Daniela Stefania Grecu¹, Ancuta Letitia Tutelca², Sorin Giju², Daliborca Cristina Vlad^{1,2}

¹Departamentul de Biochimie si Farmacologie, Facultatea de Medicina, Universitatea de Medicina si Farmacie “Victor Babes” Timisoara, Romania, Timisoara, Romania,

²Laborator Clinic de Analize Medicale, Spitalul Clinic Judetean de Urgenta “Pius Brinzeu” Timisoara, Romania, Timisoara, Romania

P32. MICRORNA EXPRESSION IN POLYCYTHEMIA VERA, ESSENTIAL THROMBOCYTHEMIA AND PRIMARY MYELOFIBROSIS

Adriana-Stela Crișan^{1,2,4}, Erzsébet Lázár^{3,4}, Marcela Căndea^{3,4}, Claudia Cârstea², Claudia Bănescu^{1,2,4}

¹ Genetics Department, ‘George Emil Palade’ University of Medicine, Pharmacy, Science, and Technology, Târgu Mureș, România, ² Genetics Laboratory, Center for Advanced Medical and Pharmaceutical Research, ‘George Emil Palade’ University of Medicine, Pharmacy, Science, and Technology, Târgu Mureș, România, ³ Department of Internal Medicine, ‘George Emil Palade’ University of Medicine, Pharmacy, Science, and Technology, Târgu Mureș, România, ⁴Târgu Mureș Emergency Clinical County Hospital, Târgu Mureș, România

P33. DESIGN OF A NEW METHOD FOR DIRECT ELECTROCHEMICAL DETECTION OF RESPIRATORY VIRUS DNA

Madalina Axinie¹, Sorin Mocanu¹, Diana Maxim¹, Dana Stan¹

¹DDS Diagnostic SRL, Bucuresti, Romania

P34. CLINICAL AND BIOCHEMICAL PROFILE OF LIVER CIRRHOSIS: A COMPARATIVE STUDY

Sabrina-Nicoleta Munteanu^{1,2}, Mrs. Ana-Maria Filip^{1,2}, Mrs. Luciana Arjoca¹, Mr. Răzvan Rus², Anca Negovan^{1,2}

¹Universitatea de Medicină, Farmacie, Științe și Tehnologie „George Emil Palade”, Târgu Mureș, Romania, ²Spitalul Clinic Judetean de Urgență Târgu Mureș - Clinica Medicină internă I, Târgu Mureș, România

P35. BIOLOGICAL PROFILE AND PRECANCEROUS LESION PROGRESSION IN ATROPHIC GASTRITIS: COMPARISON BETWEEN HELICOBACTER PYLORI AND AUTOIMMUNE ETIOLOGY

Ana-Maria Filip^{1,2}, Sabrina Nicoleta Munteanu^{1,2}, Anca Negovan^{1,2}

¹Universitatea De Medicină, Farmacie, Știință și Tehnologie "G.E. Palade", Târgu Mureș, Romania, ²Spitalul Clinic Județean de Urgență, Târgu Mureș, Romania

P36. COBAS E801 VERSUS ALINITY I VERSUS MAGLUMI X6 – VITAMIN B12 METHOD COMPARISON

Raluca Dragomir¹, Oana Roxana Oprea^{1,2}, Luncian Călin Dohotar¹, Ana-Maria Fotache^{1,2}, Minodora Dobreanu^{1,2}

¹Clinical Laboratory, Emergency Clinical County Hospital of Targu Mures, Romania, Targu Mures, Romania, ²Department of Laboratory Medicine, George Emil Palade University of Medicine, Pharmacy, Science and Technology of Targu Mures, Romania, Targu Mures, Romania

P37. PREVALENCE OF VITAMIN B9 AND B12 DEFICIENCY IN THE PEDIATRIC POPULATION

Stefan Vasile Cristea¹, Camelia Grigore¹, Maria Totan², Adriana Popescu²

¹Spitalul Clinic de Pediatrie Sibiu, Sibiu, Romania, ²Universitatea „Lucian Blaga” din Sibiu, Facultatea de Medicină, Sibiu, Romania

P38. ESTABLISHMENT OF SERUM CREATININE REFERENCE INTERVALS IN AN ADULT POPULATION

Elena-Cristina Preda, Oana Oprea, Minodora Dobreanu

Department of Laboratory Medicine, George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș, Târgu Mureș, Romania

P39. LIPOPROTEIN (A) AND APOLIPOPROTEIN B: EMERGING ATHEROGENIC BIOMARKERS IN PERSONALIZED MEDICINE

Alina Ghilețchi, Anatolie Vișnevschi

¹USMF Nicolae Testemițanu, Chișinău, Moldova (the Republic of)

P40. LABORATORY MONITORING OF CARDIAC FUNCTION IN PATIENTS WITH DIABETES MELLITUS: ROLE OF BIOMARKERS

Ioana Dinut^{1,2}, Lavinia Carmen Daba^{1,2}, Mihaela Botnariuc^{1,2}, Iulia Andreea Badea², Elena Sapte²

¹Emergency County Clinical Hospital “Saint Apostle Andrei”, Constanța, Romania, ²Ovidius University, Faculty of Medicine, Constanța, România

P41. GLYCATION OF SMALL PROTEINS vs. GLYCATED HEMOGLOBIN: NOVEL CANDIDATE MARKERS AS INDICATORS OF METABOLIC STATUS IN PATIENTS WITH TYPE 1 AND TYPE 2 DIABETES

Vlad-Alexandru Toma^{1,2}, Claudia Moldoveanu^{2,3}, Darius-Daniel Rus³, Mihai Lupu⁶, Ștefania Iancu⁴, Alina Filip⁵, Gabriel Marc⁷, Adriana Filip⁶, Norbert Farkas⁸, Anca-Lucia Pop⁹

¹Departamentul de Științe Medicale și ale Sănătății, Universitatea Babeș-Bolyai, Cluj-Napoca

²Institutul de Cercetări Biologice, filială a INCDSB București, Cluj-Napoca, ³Departamentul de Biologie Moleculară și Biotehnologie, Universitatea Babeș-Bolyai, ⁴Departamentul de Fizică Biomoleculară, Universitatea Babeș-Bolyai, ⁵Departamentul de Chimie, Facult de Chimie și Inginerie Chimică, Univ Babeș-Bolyai, ⁶Departamentul de Științe Morfo-Funcționale, Univ de Med și Farm „Iuliu Hațieganu”, ⁷Departamentul de Farmacie, Universitatea de Medicină și Farmacie „Iuliu Hațieganu”, ⁸Centrul Clinic de Diabet zaharat, Nutriție și Boli Metabolice, Cluj-Napoca, ⁹ Laborator Clinic și Siguranță Alimentară, Facultatea de Farmacie, Universitatea de Medicină și Farmacie „Carol Davila”, București, Romania

P42. OXIDATIVE STRESS AND COMPOSITE INFLAMMATORY INDICES IN HEMODIALYSIS AND DIABETIC NEPHROPATHY PATIENTS

Mohamed-Zakaria Assani^{1,2}, Senior Lecturer Lidia Boldeanu³, Professor Isabela Siloși², Dr. Alexandra-Ștefania Stroe-Ionescu¹, Dr. Mariana-Emilia Caragea¹, Teaching Assistant Daniel Cosmin Caragea⁴, Professor Mihail Virgil Boldeanu²

¹Doctoral School, University of Medicine and Pharmacy of Craiova

²Department of Immunology, University of Medicine and Pharmacy of Craiova,

³Department of Microbiology, University of Medicine and Pharmacy of Craiova,

⁴Department of Nephrology, University of Medicine and Pharmacy of Craiova, Romania

P43. CHRONIC KIDNEY DISEASE AND ITS ASSOCIATED COMORBIDITIES

Daniela Miricescu¹, Andra-Elena Balcangiu Stroescu², Iulia-Ioana Stanescu-Spinu², Constantin Stefani³, Silviu Badoiu⁴, Ileana Adela Vacaroiu⁵

¹Disciplina De Biochimie, Carol Davila, Bucuresti, Romania, Bucharest/Romania, Romania,

²Disciplina de Fiziologie, Universitatea de Medicină și Farmacie Carol Davila, Bucharest

³Departamentul de Medicină de Familie, Universitatea de Medicină și Farmacie Carol Davila,

⁵Departamentul de Nefrologie, Universitatea de Medicină și Farmacie Carol Davila, Bucharest

P44. IMPACT OF SAMPLE COLLECTION CONTROL ON PREANALYTICAL NON-CONFORMITIES: A COMPARISON BETWEEN PRIVATE AND PUBLIC LABORATORIES

Carmen Delianu^{1,2}, Oana Maria Pintilie¹, Claudiu Constantin Rusu¹, Stefania Maria Tifui¹, Rares Hristodorescu², Loredana Liliana Hurjui², Cristina Claudia Tarniceriu², Nura Sara Jdid², Cristina Hristodorescu¹

¹Laboratorul de analize medicale Praxis Health, Iasi, Romania, ²Universitatea de Medicină și Farmacie „Grigore T. Popa”, Iași, Romania

16.30 - 17.00 CLOSING CEREMONY

17.00 - 18.00 GENERAL ASSEMBLY RALM