



# PROGRAM

## THURSDAY, NOVEMBER 21

08:30 – 10:00 REGISTRATION (permanent for all meeting days)

10:00 – 10:30 **Opening Ceremony** (Victor Babeş Auditorium)

10:30 – 11:30 **Session 1: Tradition, Continuity, Innovation** (Victor Babeş Auditorium)

**Victor Babeş National Institute of Pathology – A Short Overview**

Mihail Eugen Hinescu, Mihaela Gherghiceanu, Cristiana Tănase, Monica Neagu, Gina Manda, Bogdan Ovidiu Popescu

11:30 – 11:45 COFFEE BREAK

11:45 – 13:00 **Plenary Lecture 1** (Victor Babeş Auditorium)

**Podocyte Injury in Fabry Disease: Old Concepts and New Paradigms**

**Prof. Behzad Najafian**

*Department of Pathology, University of Washington, Seattle, USA*

13:00 – 14:00 LUNCH BREAK

14:00 – 16:00 **Session 2A: Nephropathology** (Victor Babeş Auditorium)

**Chairs:** Assoc. Prof. Gener Ismail & Assoc. Prof. Mihaela Gherghiceanu

14:00 – 14:20 **Scoring System for Renal Pathology in Fabry Disease**  
**George Terinte-Balcan**<sup>1,4</sup>, Elena Rusu<sup>2</sup>, Ismail Gener<sup>2,3</sup>, Mihaela Gherghiceanu<sup>3,4</sup>

<sup>1</sup>*Emergency University Hospital, Bucharest;* <sup>2</sup>*Nephrology Department, Fundeni Clinical Institute, Bucharest;* <sup>3</sup>*Carol Davila University of Medicine and Pharmacy, Bucharest;* <sup>4</sup>*Victor Babeş National Institute for Pathology, Bucharest, Romania*

14:20 – 14:40 **The Role of Kidney Biopsy in a Patient with Diabetes Mellitus**

**Cristina Cristache**<sup>1</sup>, Andreea Andronesi<sup>1,2</sup>, Mihaela Gherghiceanu<sup>2,3</sup>, Gener Ismail<sup>1,2</sup>

<sup>1</sup>*Nephrology Clinic, Fundeni Clinical Institute, Bucharest;* <sup>2</sup>*Carol Davila University of Medicine and Pharmacy Bucharest;* <sup>3</sup>*Victor Babeş National Institute of Pathology, Bucharest, Romania*



**14:40 – 15:00 Favorable Effect of Corticosteroids in Dense Deposit Disease with Recurrence on Kidney Graft: A Case Report**

**Bogdan Sorohan<sup>1</sup>**, Andreea Berechet<sup>1</sup>, Dorina Tacu<sup>3</sup>, Ioanel Sinescu<sup>3</sup>, Mihaela Gherghiceanu<sup>2,4</sup>, Ismail Gener<sup>1,2</sup>

*<sup>1</sup>Nephrology Department, Fundeni Clinical Institute, Bucharest; <sup>2</sup>Carol Davila University of Medicine and Pharmacy Bucharest; <sup>3</sup>Fundeni Clinical Institute, Center of Uronephrology and Kidney Transplantation; <sup>4</sup>Victor Babeș National Institute of Pathology, Bucharest, Romania*

**15:00 – 15:20 The Efficacy of Direct-Acting Antiviral Agents in the Management of Patients with Severe HCV-Related Cryoglobulinemic Glomerulonephritis**

**Bogdan Obrișcă<sup>1,2</sup>**, Roxana Jurubiță<sup>1,2</sup>, Andreea Andronesi<sup>1,2</sup>, Bogdan Sorohan<sup>1,2</sup>, Mihaela Gherghiceanu<sup>3</sup>, Nicolae Leca<sup>4</sup>, Gener Ismail<sup>1,2</sup>

*<sup>1</sup>Center for Uronephrology and Kidney Transplantation, Fundeni Clinical Institute, Bucharest; <sup>2</sup>Nephrology Department, Carol Davila University of Medicine and Pharmacy Bucharest; <sup>3</sup>Victor Babeș National Institute of Pathology, Bucharest, Romania; <sup>4</sup>Department of Medicine, Division of Nephrology, University of Washington, Seattle, USA*

**15:20 – 15:40 Different Clinical and Histological Pattern in Patients with Hypocomplementemic Urticarial Vasculitis with Renal Involvement**

**Raluca Leparau<sup>1</sup>**, Marina Paraschiv<sup>1</sup>, Bogdan Obrișcă<sup>1,2</sup>, Gener Ismail<sup>1,2</sup>

*<sup>1</sup>Nephrology Department, Fundeni Clinical Institute, Bucharest; <sup>2</sup>Carol Davila University of Medicine and Pharmacy, Bucharest, Romania*

**15:40 – 16:00 Focal Segmental Glomerulosclerosis - Beyond Pathology. Should Genetics Guide our Intervention?**

**Adrian Cătălin Lungu, Cristina Stoica**

*Pediatric Nephrology Department, Fundeni Clinical Institute, Bucharest, Romania*

**14:00 – 18:00 Session 2B: Molecular Approaches in Pathology (Ioan Moraru Auditorium)**

**Chair:** Prof. Emil Iancu Pleșea

**14:00 – 14:20 Predictive Elements in the Leukemic Transformation of Myelodysplastic Syndromes**

**Ana-Maria Vlădăreanu<sup>1</sup>**, Minodora Onisai<sup>1</sup>, Iuliana Maria Nicorescu<sup>2</sup>

*<sup>1</sup>University Emergency Hospital Bucharest, Romania; <sup>2</sup>Carol Davila University of Medicine and Pharmacy Bucharest, Romania*

**14:20 – 14:40 Novel PCR Based Tools in Molecular Diagnostics**  
**Valeriu Cișmașiu**

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



**14:40 – 15:00 Utilization of Molecular Pathology/IHC in the Main Forms of Renal Neoplasia**

**Leila Ali<sup>1</sup>**, Valentin Moldovan<sup>1</sup>, Ondrej Hes<sup>2</sup>

<sup>1</sup>Victor Babeş National Institute of Pathology, Bucharest, Romania; <sup>2</sup>Charles University Hospital and Medical Faculty Plzen, Czech Republic

**15:00 – 15:20 JAK2-Positive Hypertrombocytosis Syndromes**

**Valentin T. Moldovan<sup>1</sup>**, Mary Olinca<sup>1,2</sup>, Anca Potecă<sup>1,2</sup>, Diana Derewicz<sup>2</sup>, Iancu Emil Pleşea<sup>1,2</sup>, Leila Ali<sup>1</sup>

<sup>1</sup>Victor Babeş National Institute of Pathology, Bucharest; <sup>2</sup>Carol Davila University of Medicine and Pharmacy, Bucharest, Romania

**15:20 – 15:40 The Use of Fractal Dimension Analysis in Tumor Architecture Assessment in Correlation with Different Grading Systems**

**Marina-Alina Bara<sup>1</sup>**, Mircea-Sebastian Şerbănescu<sup>2</sup>, Răzvan Mihail Pleşea<sup>3</sup>, Viorel Ciovica<sup>3</sup>, Anca Maria Istrate-Ofiţeru<sup>4</sup>, Gabriela Camelia Roşu<sup>4</sup>, Larisa Iovan<sup>4</sup>, Florentina Simionescu<sup>1</sup>, Valentin Tiberiu Moldovan<sup>5</sup>, Iancu Emil Pleşea<sup>5,6,7</sup>

<sup>1</sup>Department of Pathology, Emergency University Hospital, Bucharest, Romania; <sup>2</sup>Department of Medical Informatics and Biostatistics, University of Medicine and Pharmacy, Craiova, Romania; <sup>3</sup>Doctoral School, University of Medicine and Pharmacy, Craiova, Romania; <sup>4</sup>Department of Histology, University of Medicine and Pharmacy, Craiova, Romania; <sup>5</sup>Department of Pathology, Victor Babeş National Institute of Pathology, Bucharest, Romania; <sup>6</sup>Department of Pathology, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania; <sup>7</sup>Department of Pathology, Fundeni Clinical Institute, Bucharest, Romania

**15:40 – 16:00 Transcriptomic implications in inflammatory bowel diseases**

**Mircea Manuc<sup>1,2</sup>**, Cristian G. Tieranu<sup>2,3</sup>, Maria Dobre<sup>4</sup>, Elena Milanesi<sup>4</sup>, Ioana Tieranu<sup>2</sup>, Teodora Ecaterina Manuc<sup>1,2</sup>, Mircea Mihai Diculescu<sup>1,2</sup>, Carmen Preda<sup>1,2</sup>, Gabriel Becheanu<sup>1,2,4</sup>, Elena Mirela Ionescu<sup>2,3</sup>

<sup>1</sup>Fundeni Clinical Institute, Bucharest; <sup>2</sup>Carol Davila University of Medicine and Pharmacy, Bucharest; <sup>3</sup>Elias Emergency University Hospital, Bucharest; <sup>4</sup>Victor Babeş National Institute of Pathology, Bucharest, Romania

**16:15 – 16:35 Pleural TB – Clinical-Morphological Profile**

**Dragoş Nicolosu<sup>1</sup>**, Alin Dragoş Demetrian<sup>2</sup>, Răzvan Mihail Pleşea<sup>1</sup>, Elena Leocadia Popescu<sup>1</sup>, Irina Ruxandra Strâmbu<sup>3</sup>, Iancu Emil Pleşea<sup>4,5,6</sup>

<sup>1</sup>Doctoral School, University of Medicine and Pharmacy, Craiova, Romania; <sup>2</sup>Department of Thoracic Surgery, University of Medicine and Pharmacy, Craiova, Romania; <sup>3</sup>Department of Pulmonology, University of Medicine and Pharmacy, Bucharest, Romania; <sup>4</sup>Department of Pathology, Victor Babeş National Institute, Bucharest, Romania; <sup>5</sup>Department of Pathology, University of Medicine and



*Pharmacy, Bucharest, Romania; <sup>6</sup>Department of Pathology, Fundeni Clinical Institute, Bucharest, Romania*

**16:35 – 16:55 HPV Induced Alterations in ENT and GYN Pathology**

**Maria Victoria Olinca<sup>1,2,3</sup>, Loredana Mitran<sup>4</sup>, Valentin Tiberiu Moldovan<sup>1,2</sup>, Anca Potecă<sup>1,2,3</sup>**

*<sup>1</sup>Department of Pathology, Victor Babeș National Institute, Bucharest, Romania;*

*<sup>2</sup>Department of Pathology, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania; <sup>3</sup>Prof Dr. Panait Sârbu Clinical Hospital of Obstetrics and Gynecology, Bucharest, Romania; <sup>4</sup>Elias Emergency University Hospital, Bucharest, Romania*

**16:55 – 17:15 Phenotypical Variations of Intrauterine Polypoid Masses**

**Anca Potecă<sup>1,2,3</sup>, Valentin Tiberiu Moldovan<sup>1,2</sup>, Maria Victoria Olinca<sup>1,2,3</sup>**

*<sup>1</sup>Department of Pathology, Victor Babeș National Institute, Bucharest, Romania;*

*<sup>2</sup>Department of Pathology, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania; <sup>3</sup>Prof. Dr. Panait Sârbu Clinical Hospital of Obstetrics and Gynecology, Bucharest, Romania*

**17:15 – 17:35 Autophagy in Colorectal Cancer**

**Constantin Daniel Uscatu<sup>1</sup>, Georgiana Uscatu<sup>2</sup>, G. M. Man<sup>1</sup>, Iancu Emil Pleșea<sup>3,4,5</sup>, F. Mixich<sup>6</sup>**

*<sup>1</sup>Pathology Department, Emergency County Hospital, Pitești, Romania;*

*<sup>2</sup>Pathology Department, Emergency County Clinical Hospital, Craiova, Romania;*

*<sup>3</sup>Department of Pathology, Victor Babeș National Institute Bucharest, Romania;*

*<sup>4</sup>Department of Pathology, University of Medicine and Pharmacy, Bucharest, Romania;*

*<sup>5</sup>Department of Pathology, Fundeni Clinical Institute, Bucharest, Romania;*

*<sup>6</sup>Department of Cell Biology, University of Medicine and Pharmacy Craiova, Romania*

**17:35 – 17:55 Biologic Behaviour of Tumour Cells in Prostate Adenocarcinoma in Correlation with Different Grading Systems**

**Florentina Simionescu<sup>1</sup>, Mircea-Sebastian Șerbănescu<sup>2</sup>, Răzvan Mihail Pleșea<sup>3</sup>, Viorel Ciovița<sup>3</sup>, Marina-Alina Bara<sup>1</sup>, Alina Ștefan<sup>4</sup>, Adriana Grădinaru<sup>4</sup>, Matthew O. Leavitt<sup>5</sup>, Valentin Tiberiu Moldovan<sup>6</sup>, Iancu Emil Pleșea<sup>6,7,8</sup>**

*<sup>1</sup>University Emergency Hospital, Bucharest; <sup>2</sup>University of Medicine and Pharmacy, Craiova, Romania;*

*<sup>3</sup>Doctoral School, University of Medicine and Pharmacy, Craiova, Romania; <sup>4</sup>Themis Pathology SRL, Bucharest, Romania;*

*<sup>5</sup>Leavitt Medical Inc, Orem, Utah, USA; <sup>6</sup>Victor Babeș National Institute of Pathology, Bucharest, Romania; <sup>7</sup>Carol Davila University of Medicine and Pharmacy, Bucharest, Romania;*

*<sup>8</sup>Fundeni Clinical Institute, Bucharest, Romania*



**17:55 – 18:15 Tissular Testing for BRAF Mutations and Melanoma Treatment Decisions**

**Florin Andrei**<sup>1,2</sup>, Angela-Stefania Varban<sup>3</sup>

<sup>1</sup>Victor Babeş National Institute of Pathology, Bucharest; <sup>2</sup>Elias University Emergency Hospital, Bucharest; <sup>3</sup>University Emergency Hospital, Bucharest, Romania

16:00 – 16:15 COFFEE BREAK

16:15 – 18:00 **Session 3: Neurosciences** (Victor Babeş Auditorium)

**Chair:** Prof. Bogdan O. Popescu

**16:15 – 16:40 Aquaporin 4 in Ischemic Stroke and Alzheimer's Disease**

**Daniel Pirici**<sup>1</sup>, Claudiu Mărgăritescu<sup>2</sup>, Bogdan Cătălin<sup>3</sup>, Laurențiu Mogoanta<sup>4</sup>, Ionica Pirici<sup>5</sup>

<sup>1</sup>Dept. of Research Methodology, University of Medicine and Pharmacy of Craiova; <sup>2</sup>Dept. of Pathology, University of Medicine and Pharmacy of Craiova; <sup>3</sup>Dept. of Physiology, University of Medicine and Pharmacy of Craiova, <sup>4</sup>Dept. of Histology, University of Medicine and Pharmacy of Craiova; <sup>5</sup>Dept. of Human Anatomy, University of Medicine and Pharmacy of Craiova, Romania

**16:40 – 17:05 Prenatal and Perinatal Modulation of Brain Response to Birth Asphyxia**

**Ana-Maria Zăgrean**<sup>1</sup>, Sebastian Isac<sup>1</sup>, Anca Maria Panaitescu<sup>1,2</sup>, Bogdan Pavel<sup>1</sup>, Alexandru Cătălin Pâslaru<sup>1</sup>, Mihai Moldovan<sup>1,3</sup>, Leon Zăgrean<sup>1</sup>

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**17:05 – 17:30 Biomarkers in Stroke**

**Cristina Tiu**

Carol Davila University of Medicine and Pharmacy, Department of Clinical Neurosciences, Department of Neurology, University Hospital, Bucharest, Romania

**17:30 – 17:55 Cervico-Cerebral Atherosclerosis – A Pathological Approach**

**Dorel Arsene**

National Institute of Neurology and Cardiovascular Diseases, Bucharest, Romania; Victor Babeş National Institute of Pathology, Bucharest, Romania

18:00 – 18:30 **Posters mounting**

18:30 – 20:30 **WELCOME PARTY**



## FRIDAY, NOVEMBER 22

09:30 – 11:30 **Session 4A: Immunopathology** (Victor Babeș Auditorium)  
**Chair:** Prof. Monica Neagu

09:30 – 09:50 **Melanoma Resistance to Anti-PD-1 Immunotherapy via JAK/STAT Signal Pathway**

**Vlad-Mihai Voiculescu**

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

09:50 – 10:10 **Nanocellulose-Based Smart Materials Modulate Tumor Microenvironment During Breast Reconstruction Applications**

**Liliana-Roxana Balahura**<sup>1,2</sup>, Sorina Dinescu<sup>1</sup>, Alexandra Cernencu<sup>3</sup>, Adriana Lungu<sup>3</sup>, Marieta Costache<sup>1</sup>

*<sup>1</sup>Department of Biochemistry and Molecular Biology, University of Bucharest, Romania; <sup>2</sup>Immunology Department, Victor Babeș National Institute of Pathology, Bucharest, Romania; <sup>3</sup>Advanced Polymer Materials Group, University Politehnica of Bucharest, Romania*

10:10 – 10:30 **Biocompatibility Analysis of HEMA / AMPS / LDH 3D Bioconstructs Designed for Soft Tissue Reconstruction**

**Simona-Rebeca Ignat**<sup>1</sup>, Sorina Dinescu<sup>1</sup>, Ionuț Radu<sup>2</sup>, Cătălin Zaharia<sup>2</sup>, Mirela Șerban<sup>1</sup>, Marieta Costache<sup>1</sup>

*<sup>1</sup>Biochemistry and Molecular Biology Department, Faculty of Biology, University of Bucharest, Romania; <sup>2</sup>Advanced Polymer Materials Group, University Politehnica of Bucharest, Romania*

10:30 – 10:50 **Skin Inflammation under the Magnifying Glass**

**Constantin Căruntu**<sup>1,2</sup>, Mihaela Adriana Ilie<sup>1</sup>, Daniel Boda<sup>1,2</sup>, Sabina Zurac<sup>1,3</sup>, Carolina Constantin<sup>4</sup>, Monica Neagu<sup>4,5</sup>

*<sup>1</sup>Carol Davila University of Medicine and Pharmacy, Bucharest, Romania; <sup>2</sup>Prof. N. Paulescu National Institute of Diabetes, Nutrition and Metabolic Diseases, Bucharest, Romania; <sup>3</sup>Colentina Clinical Hospital, Bucharest, Romania; <sup>4</sup>Victor Babeș National Institute of Pathology, Bucharest, Romania; <sup>5</sup>Faculty of Biology, University of Bucharest, Bucharest, Romania*

10:50 – 11:10 **Dopachrometautomerase is a Candidate Regulator of Integrated Stress Response in Melanoma**

**Anca Filimon**, Teodora Veronica Grigore, Adina Florentina Dobre, Gabriela Negroiu

*Institute of Biochemistry of the Romanian Academy, Bucharest, Romania*



11:10 – 11:30 **Modulation of the Chemotherapy Response in Ent Cancers**

**Marinela Bostan**<sup>1,2</sup>, Carolina Constantin<sup>2</sup>, Monica Teodora Neagu<sup>2</sup>

<sup>1</sup>*Center of Immunology, Ștefan S. Nicolau Institute of Virology, Bucharest;*

<sup>2</sup>*Department of Immunology, Victor Babeş National Institute of Pathology, Bucharest, Romania*

09:00 – 11:00 **Session 4B: Gastrointestinal Pathology** (Ioan Moraru Auditorium)  
**Chair:** Assoc. Prof. Gabriel Becheanu

09:00 – 10:00 **Advances in Molecular Pathology of Colorectal Carcinoma**

**Sibel Erdamar**

*Mehmet Ali Aydinlar University, Istanbul, Turkey*

10:00 – 10:30 **Anal Pathology in Routine Biopsy Practice**

**Bernhard Stamm**

*University of Medicine, Zürich, Switzerland*

10:30 – 11:00 **Unusual Duodenal Tumor with Liver Metastases in a Young Syndromatic Female Patient: Clinical Aspects, Imaging, Histopathological Diagnosis, Immunohistochemistry and Evolution**

**Siyana Ivanova**<sup>1</sup>, Gabriel Becheanu<sup>1,2</sup>

<sup>1</sup>*Fundeni Clinical Institute, Bucharest;* <sup>2</sup>*Victor Babeş National Institute of Pathology, Bucharest, Romania*

11:30 – 11:45 COFFEE BREAK

11:45 – 13:00 **Plenary Lecture 2** (Victor Babeş Auditorium)

**Oxygen Sensing: From HIF Prolyl Hydroxylases to Noncoding RNAs**

**Prof. Mircea Ivan**

*Indiana University School of Medicine, Indianapolis, IN, USA*

13:00 – 14:00 LUNCH BREAK

14:00 – 16:00 **Session 5: Omics in Pathology** (Victor Babeş Auditorium)  
**Chair:** Prof. Cristiana Tănase

14:00 – 14:15 **Copy Number Variants in a Group of Romanian Patients with Autism Spectrum Disorders**

**Aurora Arghir**<sup>1,2</sup>, Sorina Mihaela Papuc<sup>1</sup>, Alina Erbescu<sup>1</sup>, Raluca Colesniuc<sup>1</sup>, Catrinel Iliescu<sup>2,3</sup>, Ioana Minciu<sup>2,3</sup>, Bogdan Budişteanu<sup>3</sup>, Ina Ofelia Focşa<sup>1,2</sup>, Andreea-Cristina Țuțulan-Cuniță<sup>1</sup>, Iuliana Dobrescu<sup>2,3</sup>, Magdalena Budişteanu<sup>1,3,4</sup>



<sup>1</sup>Victor Babeș National Institute of Pathology, Bucharest; <sup>2</sup>Carol Davila University of Medicine and Pharmacy, Bucharest; <sup>3</sup>Prof. Dr. Alex. Obregia Clinical Hospital of Psychiatry, Bucharest; <sup>4</sup>Titu Maiorescu University, Faculty of Medicine, Bucharest, Romania

**14:15 – 14:30 Molecular Networks in Human Monocytes Exposed to Space-Relevant Radiation**

**Gina Manda**<sup>1</sup>, Maria Dobre<sup>1</sup>, Elena Milanesi<sup>1</sup>, Ionela Victoria Neagoe<sup>1</sup>, Andreea Csolti<sup>1</sup>, Ulrich Weber<sup>2</sup>, Nicole Averbeck<sup>2</sup>

<sup>1</sup>Victor Babeș National Institute of Pathology, Bucharest, Romania; <sup>2</sup>Horia Hulubei National Institute for Physics and Nuclear Engineering, Magurele, Romania; <sup>3</sup>GSI Helmholtz Centre for Heavy Ion Research, Darmstadt, Germany

**14:30 – 14:45 GRASP55 and IRE1 $\alpha$ /XBP-1 Signaling Control Interleukin-1 $\beta$  Secretion and Aggregation from Activated Macrophages**

**Marioara Chirițoiu**<sup>1,3</sup>, Nathalie Brouwers<sup>1</sup>, Gabriele Turacchio<sup>2</sup>, Marinella Pirozzi<sup>2</sup>, Ștefana M. Petrescu<sup>3</sup>, Vivek Malhotra<sup>1</sup>

<sup>1</sup>Centre for Genomic Regulation (CRG), The Barcelona Institute for Science and Technology, Barcelona, Spain; <sup>2</sup>Institute of Protein Biochemistry, National Research Council, Naples, Italy; <sup>3</sup>Institute of Biochemistry of the Romanian Academy, Bucharest, Romania

**14:45 – 15:00 Epigenetic Markers Associated with Precursor Lesions and Cervical Cancer**

**Gabriela Anton**

*Ștefan S Nicolau Institute of Virology, Bucharest, Romania*

**15:00 – 15:15 Plant Extract-Mediated Synthesis of Nanoparticles and Emerging Applications in Medicine**

**Alina Butu**, Steliana Rodino, Gina Fidler, Bogdan Miu, Adelina Ghincea, Alexandra Dobrovici, Melania Bica-Popi, Marian Butu

*National Institute of Research and Development for Biological Sciences, Bucharest, Romania*

**15:15 – 15:30 New Molecular Classification of Gastric Cancer Opens New Avenues to Novel Therapeutic Strategies**

**Mihaela Chivu-Economescu**<sup>1</sup>, Laura Georgiana Necula<sup>1</sup>, Denisa Dragu<sup>1</sup>, Lilia Matei<sup>1</sup>, Ana I. Neagu<sup>1</sup>, Coralia Bleotu<sup>1</sup>, M. Sârbu<sup>2</sup>, Simona Dima<sup>2</sup>, Carmen Cristina Diaconu<sup>1</sup>, Irinel Popescu<sup>2</sup>

<sup>1</sup>Ștefan S Nicolau Institute of Virology, Bucharest; <sup>2</sup>Fundeni Clinical Institute, Bucharest, Romania

**15:30 – 15:45 Tissue Transglutaminase in Anti-Tumor Immune Response**

**Livia E. Sima**<sup>1#</sup>, Horacio Cardenas<sup>1</sup>, Siqi Chen<sup>2</sup>, Yinu Wang<sup>1</sup>, Hao Huang<sup>1</sup>, Guanyuan Zhao<sup>1</sup>, Bin Zhang<sup>2</sup>, Daniela Matei<sup>1</sup>





<sup>1</sup>Department of Obstetrics and Gynecology, Feinberg School of Medicine, Northwestern University, Chicago, IL, USA; <sup>2</sup>Department of Medicine-Division of Hematology/Oncology, Robert H. Lurie Comprehensive Cancer Center, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; <sup>#</sup>Current affiliation: Department of Molecular Cell Biology, Institute of Biochemistry of the Romanian Academy, Bucharest, Romania

**15:45 – 16:00 Advances of Complex Biological Testing of Calcium Phosphate-based Bioceramics with Orthopedic and Dentistry Applications**

**Cristiana Tănase**<sup>1,2</sup>, Adrian-Claudiu Popa<sup>3,4</sup>, Ana-Maria Enciu<sup>1,5</sup>, Lucian Albuлесcu<sup>1</sup>, Maria Dudău<sup>1,5</sup>, Ionela Daniela Popescu<sup>1</sup>, Simona Mihai<sup>1</sup>, Elena Codrici<sup>1</sup>, Sevinci Pop<sup>1</sup>, Andreea-Roxana Lupu<sup>1,6</sup>, George E. Stan<sup>3</sup>, Gina Manda<sup>1</sup>, Radu Albuлесcu<sup>1,7</sup>

<sup>1</sup>Victor Babeş National Institute of Pathology, Bucharest; <sup>2</sup>Titu Maiorescu University, Cajal Institute, Bucharest; <sup>3</sup>National Institute of Materials Physics, Magurele; <sup>4</sup>Army Centre for Medical Research, Bucharest; <sup>5</sup>Carol Davila University of Medicine and Pharmacy, Department of Cellular and Molecular Medicine, Bucharest; <sup>6</sup>Cantacuzino National Medico-Military Institute for Research and Development, Bucharest; <sup>7</sup>National Institute for Chemical-Pharmaceutical R&D, Bucharest, Romania

16:00 – 16:15 COFFEE BREAK

16:15 – 18:00 **Posters Session**

**SATURDAY, NOVEMBER 23**

10:00 – 12:00 **Session 6: Varia** - mainly for Students, PhD Students and Postdocs (Victor Babeş Auditorium)

**Chair:** Lecturer Ana-Maria Enciu

**10:00 – 10:30 Unlimited Gene Expression Meta-Analysis Through Microarray Data Mining**

**Victor Ştefan Ionescu**<sup>1,2</sup>, Ioana Maria Lambrescu<sup>1</sup>, Alina Mihaela Micu<sup>1,3</sup>, Dan Sebastian Soare<sup>1,4</sup>, Gisela Găină<sup>1</sup>, Valeriu Cişmaşiu<sup>1</sup>

<sup>1</sup>Victor Babeş National Institute of Pathology, Bucharest, Romania; <sup>2</sup>Clinical Emergency Hospital, Bucharest, Romania; <sup>3</sup>Aarhus Business Academy, Aarhus, Denmark; <sup>4</sup>Carol Davila University of Medicine and Pharmacy, Bucharest, Romania

**10:30 – 11:00 Intestinal Barrier Integrity, Bacterial Endotoxin Exposure and Inflammation Markers in Parkinson's Disease: Intermediary Stage Results of a Case-Control Study**

**Laura Dumitrescu**<sup>1,2</sup>, Daciana Marta<sup>3</sup>, Emilia Manole<sup>2,3</sup>, Adela Dănău<sup>1,2</sup>, Antonia Lefter<sup>1,2</sup>, Laura Cristina Ceafalan<sup>1,3</sup>, Mihaela Gherghiceanu<sup>1,3</sup>, Bogdan Ovidiu Popescu<sup>1,2,3</sup>



<sup>1</sup>Carol Davila University of Medicine and Pharmacy, Bucharest; <sup>2</sup>Colentina Clinical Hospital, Bucharest; <sup>3</sup>Victor Babeș National Institute of Pathology, Bucharest, Romania

**11:00 – 11:30 Behavioral Modification of Tumour Cells Induced by Essential Fatty Acids**

**Maria Dudău<sup>1</sup>**, Victor Ștefan Ionescu<sup>1</sup>, Lucian Albuiescu<sup>1</sup>, Sevinci Pop<sup>1</sup>, Cristiana Tănase<sup>1,2</sup>

<sup>1</sup>Victor Babeș National Institute of Pathology, Bucharest; <sup>2</sup>Titu Maiorescu University, Faculty of Medicine, Bucharest, Romania

**11:30 – 12:00 Cognitive Evaluation Method in Nrf2-KO Mice Using the Eight-Arm Radial Maze**

**Cătălina Anca Cucuș<sup>1</sup>**, Ana-Maria Enciu<sup>1,2</sup>, Laurențiu Anghelache<sup>1</sup>

<sup>1</sup>Victor Babeș National Institute of Pathology, Bucharest, Romania; <sup>2</sup>Carol Davila University of Medicine and Pharmacy, Bucharest, Romania

12:00 – 12:30 COFFEE BREAK

12:30 – 13:30 **Closing Ceremony** (Victor Babeș Auditorium)

**POSTERS:**

**P1. Effects of Cannabidiol Administration on the Hippocampal Morphology and Neurosecretion in Rats Exposed to Repeated Restraint Stress**

**Bogdan-Răzvan Dume<sup>1</sup>**, Laura Pătraș<sup>1,2</sup>, Andrei Marinescu<sup>1</sup>, Patriciu Roșca<sup>1</sup>, Manuela Banciu<sup>1,2</sup>, Bogdan Sevastre<sup>3</sup>, Vlad-Alexandru Toma<sup>1,4,5</sup>

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**P2. CHL1 Gene Duplication in a Patient with Epilepsy, Developmental Delay and Dysmorphic Facial Features**

**Alina Erbescu<sup>1</sup>**, Magdalena Budișteanu<sup>1,2,3</sup>, Aurora Arghir<sup>1,4</sup>, Sorina Mihaela Papuc<sup>1</sup>

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**P3. Deletion 13q14.3 in Chronic Lymphocytic Leukemia**

**Raluca Mihaela Colesniuc<sup>1,3</sup>**, Sorina Mihaela Papuc<sup>1</sup>, Ioana Borcan<sup>1</sup>, Diana Cișleanu<sup>2,3</sup>, Irina Voican<sup>2,3</sup>, Minodora Onisai<sup>2,3</sup>, Ion Dumitru<sup>2</sup>, Horia Bumbea<sup>2,3</sup>, Ana-Maria Vlădăreanu<sup>2,3</sup>, Emilia Severin<sup>3</sup>, Aurora Arghir<sup>1,3</sup>

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**P4. Blending the Precision of RNase H-Dependent PCR with the Accuracy of Digital Droplet PCR - The Good, the Bad and the “Rain”**

**Ioana Maria Lambrescu**<sup>1</sup>, Victor Ştefan Ionescu<sup>1</sup>, Gisela Găină<sup>1</sup>, Dan Sebastian Soare<sup>1</sup>, Alina Micu<sup>1,2</sup>, Valeriu Cişmaşiu<sup>1</sup>

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**P5. Patterns of Renal Injury in ANCA Glomerulonephritis: A Morphological Study of 4 Cases**

**Alexandru Procop**, Monica Hortopan, Bogdan Obrişcă, Ismail Gener, Vlad Herlea  
Fundeni Clinical Institute, Bucharest, Romania

**P6. A Step-by-Step Approach in a Suspected Rare Case of Gastric Adenocarcinoma and Proximal Polyposis of the Stomach**

**Alice Bancu**, Gabriel Becheanu, Alexandru Procop, Cristian Gheorghe, Vlad Herlea  
Fundeni Clinical Institute, Bucharest, Romania

**P7. The Effects of Anakinetic Stress on the Biochemical Blood Parameters after 2 and 6 Days of Constraining**

**Ioana Roman**<sup>1</sup>, Vlad-Alexandru Toma<sup>2</sup>, Anca Farcaş<sup>2</sup>, Bogdan Sevastre<sup>3</sup>

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**P8. Tumour-Primed Murine Natural Killer Cells Exhibit Distinct Phenotype**

**Gheorghita Isvoranu**<sup>1</sup>, Mihaela Surcel<sup>1,2</sup>, Adriana Narcisa Munteanu<sup>1,2</sup>, Ioana-Ruxandra Pîrvu<sup>1</sup>, Monica Teodora Neagu<sup>1,2</sup>

<sup>1</sup>Victor Babeş National Institute of Pathology, Bucharest; <sup>2</sup>University of Bucharest, Faculty of Biology, Bucharest, Romania

**P9. Towards Ultrastructural, Molecular and Behavioral Features of Autism-Like Disorders (ASD) Induced by Valproate Exposure and the Prophylactic Effect of Allicin - A Probable Mechanism for ASD**

**Vlad-Alexandru Toma**<sup>1,2,3</sup>, Anca Farcaş<sup>1,2,3</sup>, Adrian Florea<sup>4</sup>, Lucian Barbu<sup>1,2</sup>, Ioana Roman<sup>5</sup>, Ioana Bâldea<sup>4</sup>, Adriana Filip<sup>4</sup>, Alexandra Sevastre-Bergian<sup>4</sup>, Bogdan Sevastre<sup>6</sup>, Bogdan Țigu<sup>7</sup>, Marcel Parvu<sup>8</sup>

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**P10. Placental Senescence in Preterm Birth**

**Radu Stănescu**, Dana Maria Albulescu, Mihaela Niculescu, Olivia Garofița Mateescu, Mihail-Relu Stănescu

University of Medicine and Pharmacy Craiova, Romania



### **P11. Inflammation-Related Patterns in the Clinical Staging Assessment of Chronic Kidney Disease**

**Simona Mihai<sup>1</sup>**, Elena Codrici<sup>1</sup>, Ionela Daniela Popescu<sup>1</sup>, Ana-Maria Enciu<sup>1,2</sup>, Lucian Albulescu<sup>1</sup>, Cristina Mihaela Luntraru<sup>3</sup>, Gabriela Anton<sup>4</sup>, Cristiana Tănase<sup>1,5</sup>

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### **P12 Proteomic Alterations Revealed in the Crosstalk of Polymorphonuclear Neutrophils and Macrophages Using Dynamic Silac Methodology**

**Viorel-Iulian Suica**, Luminița Ivan, Elena Uyy, Raluca Maria Boteanu, Aurel Cerveanu-Hogaș, Felicia Antohe, Maya Simionescu

*Institute of Cellular Biology and Pathology “Nicolae Simionescu”, Bucharest, Romania*

### **P13. Pharmacological Modulation of Chloride Membrane Transport in Mature Hippocampal Cultures Subjected to Oxygen-Glucose Deprivation and Reoxygenation**

**Rosana-Bristena Ionescu<sup>1</sup>**, Ioana Florentina Grigoras<sup>1</sup>, Mara Ioana Iesanu<sup>1</sup>, Diana Maria Chitimus<sup>1</sup>, Robert Mihai Haret<sup>1</sup>, Bogdan Ianos<sup>2</sup>, Mihai Ceanga<sup>3</sup>, Ana-Maria Zăgrean<sup>1</sup>

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### **P14. CD36 in the Aging Neurovascular Unit**

**Octavian Ioghen<sup>1</sup>**, Leona Chitoiu<sup>1</sup>, Mihaela Gherghiceanu<sup>1,2</sup>, Laura Cristina Ceafalan<sup>1,2</sup>

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### **P15. Toxic Effects of Non-Acute Lead Exposure on Rat Model**

**Gheorghita Isvoranu<sup>1</sup>**, Ionela Daniela Popescu<sup>1</sup>, Elena Codrici<sup>1</sup>, Simona Mihai<sup>1</sup>, Ana-Maria Enciu<sup>1</sup>, Gina Manda<sup>1</sup>, Marco Peretto<sup>2</sup>, Cristiana Tănase<sup>1,3</sup>

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### **P16. In Vitro and in Vivo Evaluation of the Collagen-Inorganic Nanoparticles Composites for Wound Healing Applications**

**Denisa L. Dragu<sup>1</sup>**, Lilia Matei<sup>1</sup>, Sabina Zurac<sup>3</sup>, Ionela Andreea Neacșu<sup>2</sup>, Anton Ficai<sup>2</sup>, Ana I. Neagu<sup>1</sup>, Mihaela Chivu-Economescu<sup>1</sup>, Bianca Tihuan<sup>4</sup>, Ecaterina Andronescu<sup>2</sup>, Carmen Cristina Diaconu<sup>1</sup>, Coralia Bleotu<sup>1</sup>

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**P17. Alarmins Expression in Atherosclerotic Lesions under Severe Anti-Hyperlipidemic Treatment; A Mass Spectrometry Based Proteomic Approach**

**Elena Uyy<sup>1</sup>**, Luminița Ivan<sup>1</sup>, Viorel-Iulian Suica<sup>1</sup>, Raluca Maria Boteanu<sup>1</sup>, Aurel Cerveanu-Hogaș<sup>1</sup>, Rune Hansen<sup>2</sup>, Felicia Antohe<sup>1</sup>

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**P18. Electron Microscopy for Screening of Extracellular Vesicles**

**Leona Chitoiu<sup>1,4</sup>**, Andrei Sorop<sup>2,4</sup>, Victor Eduard Peteu<sup>1</sup>, Tudor Emanuel Fertig<sup>1,5</sup>, Simona Dima<sup>2,3</sup>, Irinel Popescu<sup>2,3</sup>, Mihaela Gherghiceanu<sup>1,5</sup>

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**P19. Partial Unilateral Ureteral Obstruction in Rat as an Experimental Model**

**Alexandru Cristian Popescu<sup>1,2</sup>**, Cătălin Gabriel Manole<sup>1,2</sup>, Daciana Marta<sup>2</sup>, Antoanela Țâncă<sup>1,2</sup>, Bogdan Marinescu<sup>2</sup>, Mihaela Gherghiceanu<sup>1,2</sup>

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**P20. A Retrospective Study of Malignant Salivary Gland Tumors – Clinical and Morphological Correlations**

**Simona Enache<sup>1,2</sup>**, Cristina Georgiana Vasile<sup>1</sup>, Angela Petrescu<sup>1</sup>

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**P21. Nanoparticles - Related Effects on Proliferation, Cytotoxicity and Apoptotic Processes**

**Elena Codrici<sup>1</sup>**, Alexandra Cătălina Vîlceanu<sup>2</sup>, Ionela Daniela Popescu<sup>1</sup>, Simona Mihai<sup>1</sup>, Ana-Maria Enciu<sup>1,2</sup>, Lucian Albulescu<sup>1</sup>, Radu Albulescu<sup>1,3</sup>, Eleonora Codorean<sup>1</sup>, Mircea Leabu<sup>1</sup>, Alina Butu<sup>4</sup>, Cristina Mihaela Luntraru<sup>5</sup>, Cristiana Tănase<sup>1,3</sup>

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