



International Pathology Conference of "VICTOR BABEȘ" Institute

November 4th – 6th, 2021
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Event Management



SCIENTIFIC PROGRAM

WEBINAR

International Pathology Conference of the „Victor Babeș” Institute

Bucharest

4 – 6 NOVEMBER 2021

Thursday, November 4	
09:00-09:45	OPENING Prof. Mihail Eugen Hinescu, MD, PhD – General Director of „Victor Babeș” National Institute of Pathology Bucharest, România Prof. Viorel Jinga, MD, PhD – Rector of „Carol Davila” University of Medicine and Pharmacy Bucharest, România Prof. Ștefan Constantinescu, MD, PhD – President of Federation of European Academies of Medicine, Victor Babeș Honorary Scientist Award 2020 Prof. Univ. Dr. Ing. Adrian Curaj – General Director of UEFISDCI
09:45-12:00	Session 1: Genomics and proteomics Session Chairs – Cristiana Tănase & Aurora Arghir Genomic Medicine Approaches to Neurodegeneration Prof. Kenneth Kosik, MD - University of California, Santa Barbara, Neuroscience Research Institute, Department of Molecular, Cellular, and Developmental Biology, Santa Barbara, CA, USA Neural progenitor mechanisms and cerebral cortical malformations Prof. Fiona Francis, PhD - Institut du Fer à Moulin, UMR-S 1270 Inserm, Sorbonne University, Paris, France Post-infection and post-vaccination immune response to SARS-CoV2 Prof. Simona Ruță, MD, PhD - „Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania
12:00-12:15	BREAK
12:15-14:45	Session 2: Histopathology Session Chair – Gabriel Becheanu Lupus nephritis: landmarks in the classification Prof. Irina Draga Cărunțu, MD, PhD - University of Medicine and Pharmacy „Grigore T. Popa” Iași, Romania



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	Difficulties and controversies in locally advanced, metastatic and castration-resistant prostate cancer Prof. Alis Dema, MD, PhD - <i>Professor of Pathology at University of Medicine and Pharmacy „Victor Babeș”, Timișoara, Romania</i> Current approaches in classification and stadialization of cutaneous melanoma Prof. Sabina Zurac, MD, PhD - <i>„Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania</i> Histopathological and immunohistochemical study in basal cell carcinoma Prof. Mariana Costache, MD, PhD - <i>„Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania</i>
14:45-15:00	BREAK
15:00-16:30	Victor Babeș Annual Conference – Victor Babeș Honorary Scientist Award for 2021 Early detection and interception of cancer using cell-free DNA fragmentomes Prof. Victor Velculescu, MD, PhD – <i>Professor of Oncology, Pathology and Medicine, Co-Director of Cancer Genetics and Epigenetics, Associate Cancer Center Director for Precision Medicine, Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins University School of Medicine, Baltimore, MD, USA</i>
16:30-16:45	BREAK
16:45-19:15	Session 3: Next generation pathology Session Chair – Octavian Bucur Next generation pathology Dr. Octavian Bucur, MD, PhD - <i>Victor Babeș National Institute of Pathology Bucharest, Romania</i> Expansion pathology: nanoscale imaging of clinical specimens with optical microscopy Prof. Yongxin Zhao, PhD - <i>Department of Biological Sciences, Carnegie Mellon University, PA, USA</i> Digital pathology: practical implementation and a population health perspective Prof. Rajan Dewar, MD, PhD - <i>Medical Director & Chief of Pathology at McLaren Greater Lansing, Michigan State University, MI, USA</i> Digital pathology and AI in improving diagnostic workflow in hematopathology Prof. Mohamed Salama, MD, PhD - <i>Chief Medical Officer at Mayo Clinic Laboratories, MI, USA</i>



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Friday, November 5

09:00-11:30	Session 4: Cardiovascular pathology Session Chair – Prof. Elisa Anamaria Liehn & Prof. Dragoș Vinereanu Targeting DJ-1 for cardioprotection Dr. Sauri Hernandez-Resendiz - <i>National Heart Centre Singapore</i> Advancing the development of translatable therapies for cardiovascular diseases with human cardiac organoids Prof. Shiang (Max) Lim - <i>Cardiac Regeneration Research Unit, St. Vincent's Institute Medical Research, Australia</i> Cellular and molecular cross-talk in the heart after acute myocardial infarction Prof. Elisa Anamari Liehn - <i>Department of Molecular Medicine, South University, Odense, Denmark</i> The “old Vitamin C” as effector function for collagen I conversion Dr. Mihaela Rusu - <i>Institute for Molecular Cardiovascular Research, University Hospital Aachen, Germany</i> Caffeine prevents restenosis and inhibits vascular smooth muscle cell proliferation through the induction of autophagy Dr. Brijesh Kumar Singh - <i>Duke-NUS Medical School, Singapore</i>
11:30-11:45	BREAK
11:45-13:15	Plenary Lecture Translational approaches to cardioprotection Prof. Derek Hausenloy, MD, PhD - <i>Professor in the Cardiovascular & Metabolic Disorders, Duke-National University of Singapore Medical School, Singapore</i>
13:15-14:00	BREAK
14:00-16:00	Session 5: Neurosciences Session Chair – Bogdan O. Popescu Transcription factor NRF2 as a brain protective target in preclinical Alzheimer's disease Prof. Antonio Cuadrado, PhD - <i>Faculty of Medicine, Autonomous University of Madrid, Spain</i> Role of 5-HT1A and 5-HT3 receptors in serotonergic activation of sensory neurons in relation to itch and pain behavior in the rat Prof. Alexandru Babeș, PhD - <i>Faculty of Biology, University of Bucharest, Romania</i> Microbiota and neurodegenerative diseases Prof. Bogdan O. Popescu, MD, PhD - <i>„Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania</i>
16:00-16:15	BREAK



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16:15-18:15	Session 6: Nephropathology Session Chairs – Mihaela Gherghiceanu & Gener Ismail Update on the role of histopathology in the management of lupus nephritis and ANCA-associated vasculitis Prof. Dr. Gener Ismail - „Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania MEST-C pathological score for IgA nephropathy Dr. Emil Claudiu Botan - Cluj County Emergency Clinical Hospital, Cluj, Romania Antibody-mediated rejection in kidney transplantation: update on histological, serological and molecular aspects Dr. Bogdan Sorohan - „Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania Crystalline tubulopathy and podocytopathy, case-based review Dr. George Terinte-Balcan, MD - Victor Babeș National Institute of Pathology Bucharest, Romania The impact of SARS-CoV2 infection on the evolution of membranous nephropathy Dr. Bogdan Obrisca, Dr. Alexandra Vornicu - „Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania
18:15-18:30	BREAK
18:30-20:30	Session 7: Muscle pathology and regeneration Session Chair – Laura Cristina Ceafalan Molecular pathogenesis in inflammatory myopathies Prof. Werner Stenzel, MD, PhD - Professor Neuropathology and Neuroimmunology at Charité, Universitätsmedizin Berlin, Germany Macrophages contribution to skeletal muscle regeneration Emilia Manole, Gisela Găină, Laura Ceafalan Biopptic aspects of muscle regeneration in various myopathies Alexandra Bastian, Emilia Manole Anti-HMGCR myopathy in children Diana Epure, Oana Vladacenco, Eugenia Roza, Daniela Vasile, Mihaela Ioghen, Raluca Teleanu Muscle pathology in children: challenges in diagnosis Magda Budișteanu The importance of molecular techniques in the diagnosis of muscular dystrophies Gisela Găină Nutritional supplements to support skeletal muscle function Mihaela Neagu, Cristina Mihaela Luntraru, Justinian Andrei Tomescu, Emilia Manole



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Saturday, November 6

09:00-11:00	Course: How to build a research project Elisa-Anamaria Liehn
11:00-11:30	BREAK
11:30-13:30	Session 8: Short communication - young researchers Session Chairs – Ana-Maria Enciu & Emanuel Fertig Best Presentation Award – Motic BA210LED microscope sponsored by Hypo Tech&Consulting Vertical graphene-based substrates for circulating tumour cells capture and characterization Tiberiu Alecu Burinaru , Bianca Tincu, Petruta Preda, Eugen Chiriac, Gheorghita Isvoranu, Mihaela Surcel, Nicoleta Constantin EpCAM and genetic markers detection in dog mammary carcinomas Tiberiu Alecu Burinaru , Elvira Gagniuc, Alexandru Ilie Diaconescu, Dorin Țogoe, Tiberiu Constantin, Cătălin Țucureanu, Valentin Vasile, Mihai Turcitu, Marioara Avram, Manuella Militaru Assessment of estrogenic activity of trifolium pratense extracts on human adenocarcinoma and non-tumorigenic breast cell lines Radu Marian Marinescu , Lucian Albulescu, Cristina Luntraru, Mihaela Neagu, Ana-Maria Enciu, Sevinci Pop miRNAs in circulating extracellular vesicles as markers in coronary artery disease Leona Chițoiu , Daciana Marta, Cristina Niculițe, Victor Eduard Peteu, Tudor Emanuel Fertig, Valeriu Cișmașiu, Ștefania Magda, Laura Mitrea, Alina Constatin, Adriana Georgescu, Dragoș Vinereanu, Mihaela Gherghiceanu MYD88 blood levels increase during Alzheimer's disease progression in a transgenic mouse model Cătălina Anca Cucos , Maria Dobre, Elena Mihaela Dragnea, Elena Milanese Structural biology for beginners: one year progress report Anamaria-Teodora Ciobotea , Filip Muresan, Leona Chitoiu, Catalin Tucureanu, Ana Serbanescu, Tudor Emanuel Fertig
13:30-14:00	BREAK
14:00-15:45	Session 9: Varia Session Chair – Mihaela Gherghiceanu Reduced blood RGS2 expression in mild cognitive impairment patients Elena Milanese , Cătălina Anca Cucos, Jordi A. Matias-Guiu, Gerard Piñol-Ripoll, Gina Manda, Maria Dobre, Antonio Cuadrado Intestinal inflammation and intestinal barrier integrity markers in sporadic Parkinson's disease Laura Dumitrescu , Daciana Marta, Adela Dănuș, Antonia Lefter, Delia Tulbă, Liviu Cozma, Emilia Manole, Mihaela Gherghiceanu, Laura Cristina Ceafalan, Bogdan Ovidiu Popescu



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	Tracking synthetic mRNA in blood following vaccination with BNT162b2 Emanuel T. Fertig, Daciana S. Marta, Leona Chitoiu, Giulia Angheluta, Victor Ionescu, Eugen Radu, Maria Dobre, Mihail E. Hinescu, Mihaela Gherghiceanu Variation over time of anti-SARS-CoV-2 IgG antibody levels following BNT162b2 vaccination Daciana S. Marta, Leona Chitoiu, Maria Dobre, Emanuel T. Fertig, George Terinte-Balcan, Alexandru Popescu, Victor Eduard Peteu, Mihaela Gherghiceanu Ultrastructural features of epidermolysis bullosa: three case reports Adelina Cohn, Carmen Sălăvăstru, Mihaela Gherghiceanu
15:45-16:00	BREAK
16:00-18:00	Session 10: communication (K)now Session Chair – Mihail E. Hinescu & Dan Anton Vasiliu From mediation to mediatization. The dangers of autocommunication. / De la mediere la mediatizare. Pericolele auto-comunicării Paul Gabriel Sandu, Faculty of Philosophy, University of Bucharest, Romania On unknown knowns, known unknowns and the meaning of communicating them. / Despre neștiutele știute, știutele neștiute și semnificația comunicării acestora Alexandru Dragomir, Faculty of Philosophy, University of Bucharest, Romania Theatrical play and communication beyond words. / Jocul teatral și comunicarea dincolo de cuvânt. Romina Boldășu, National University of Theatre and Film, „I.L. Caragiale”, Bucharest, Romania Nutshimit - recovering the necessity of the spoken word. / Nutshimit - recuperarea necesității cuvântului rostit. Thomas Ciocșirescu, National University of Theatre and Film, „I.L. Caragiale”, Bucharest, Romania



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Posters	
PP1	The study of the intestinal gate of enterobacteria producing wide-spectrum beta-lactamases in workers in wastewater treatment plants. Alina Manole, Luminița Gabriela Măruțescu, Carmen Mariana Chifiriuc
PP2	The effect of the application of compost processed fertilizer on the evolution and transfer of antibiotic resistant bacteria and farm level antibiotic resistance genes. Ioana Mihaela Jagă, Luminița Măruțescu, Marcela Popa, Carmen Mariana Chifiriuc, Florina Botez, Carmen Postolache
PP3	How is tritiated water affecting human monocytes? Mihaela Dragnea, Gina Manda, Ionela Victoria Neagoe, Maria Dobre, Crina Stăvaru, Cătălin Țucureanu, Cristian Postolache
PP4	Natural killer cells immunophenotyping in metastatic melanoma. Gheorghita Isvoranu, Mihaela Surcel, Adriana Narcisa Munteanu, Ioana Ruxandra Pirvu, Carolina Constantin, Emilia Manole, Marioara Chiritoiu Butnaru, Monica Teodora Neagu
PP5	Extended lymphocyte immunophenotyping for immunodiagnosis of recurrent respiratory infections in the absence of primary immunodeficiency. Adriana Narcisa Munteanu, Mihaela Surcel, Gheorghita Isvoranu, Ioana Ruxandra Pirvu, Carolina Constantin, Monica Neagu
PP6	Potential benefit of purified fractions from the hyperimmune egg HPC2 on squamous cell carcinoma. Ionela Daniela Popescu, Elena Codrici, Ana-Maria Enciu, Ibram Alef, Chiurciu Viorica, Monica Neagu, Cristiana Tanase
PP7	Application of proteomic technologies to ensure quick and efficient technology transfer in the natural products industry. Cristiana Tanase, Ana-Maria Enciu, Elena Codrici, Ionela Daniela Popescu, Lucian Albulescu, Radu Albulescu, Eleonora Codorean, Mihail Eugen Hinescu
PP8	Experimental in vitro evaluation immunotoxicology of regeneration activities of collagen-based biomaterial. Elena Codrici, Ionela Daniela Popescu, Ana-Maria Enciu, Valentin Moldovan, Coralia Bleotu, Bianca Tihauan, Eleonora Codorean, Radu Albulescu, Cristiana Tanase