



FMCM
FUNDATIA PENTRU MEDICINA
CELULARA SI MOLECULARA

Simpozion

“Academician Nicolae Cajal”

28 - 29 martie 2024 | Biblioteca Academiei Române

**PROGRAM
ŞTIINȚIFIC**

Joi, 28 Martie Thursday, March 28th

09:00 – 10:00	Deschiderea Simpozionului Opening Session	Venue: Amfiteatrul I. H. Rădulescu
<u>Chair: Prof. Ștefan N. Constantinescu</u> <i>Honorary Foreign Member, Romanian Academy President of the Federation of European Academies of Medicine and of the Board of European Academies Scientific Advice to the European Commission</i>		
	<u>Speakers:</u> Acad. Victor Voicu <i>President, Medical Section of the Romanian Academy</i>	
	Prof. Alexandru Rafila <i>Minister of Health, Romanian Government</i>	
	Prof. Viorel Jinga <i>Rector of the Carol Davila University of Medicine and Pharmacy</i>	
	Prof. Dan Duda <i>Harvard University and International Association of Surgeons, Gastroenterologists and Oncologists (IASGO)</i>	
	Irina Cajal <i>Under-Secretary of State, Ministry of Culture, Romanian Government and the Menachen H. Elias Family Foundation of the Romanian Academy</i>	
10:00 – 10:30	<u>Conferința inaugurală</u> Inflamație, infecție și cancer gastrointestinal superior Infection, inflammation and upper gastrointestinal cancer Prof. Xin LU, FRS <i>Nuffield Department of Medicine Ludwig Institute for Cancer Research, University of Oxford, Oxford, UK</i>	

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Sesiunea 1: Cercetarea Fundamentală în Medicină Session 1: Basic Research in Medicine		Chair: Prof. Dr. Viorel Scripacriu Dr. Virgil Păunescu
10:30 – 11:00	<p>Descoperirea mecanismelor epigenetice în ateroscleroză: noi oportunități pentru diagnostic, prognoză și tratament personalizat</p> <p>Unveiling Epigenetic-related Mechanisms in Atherosclerosis: New Opportunities for Diagnosis, Prognosis and Personalized Treatment</p> <p><i>Dr. Adrian Manea, Dr. Simona A. Manea, Dr. Mihaela L. Vlad, Dr. Alexandra G. Lazăr, Dr. Horia Muresian, Acad. Maya Simionescu</i></p> <p><i>Institute of Biology and Cellular Pathology „Nicolae Simionescu”</i></p>	
11:00 – 11:30	<p>Dezvoltarea unui adeziv tisular resorbabil cu cianoacrilat - sistem de suport polimeric pentru hemostază topicală</p> <p>Development of a Resorbable Cyanoacrylate Tissue Adhesive – Polymer Support System for Topical Hemostasis</p> <p><i>Alexandru Ilie-Ene, Victor Petru Toşa, Luciana-Mădălina Gherman, Prof. Cătălin Ovidiu Popa, Eng., Prof. George-Călin Dindelegan</i></p> <p>+ “Iuliu Hațieganu” University of Medicine and Pharmacy, Faculty of Medicine, 1st Surgery Clinic, Cluj-Napoca</p> <p>◦ “Iuliu Hațieganu” University of Medicine and Pharmacy, Centre for Experimental Medicine and Practical Skills, Cluj-Napoca</p> <p>* Technical University of Cluj-Napoca, Materials Engineering Department, Cluj-Napoca</p>	
11:30 – 12:00	<p>Inteligenta artificială în îngrijirea cancerului de sân - prieten sau dușman</p> <p>Artificial Intelligence in Breast Cancer Care - Friend or Foe</p> <p><i>Alexandra Caziuc, Prof. Anca Andreica, Prof. George-Călin Dindelegan</i></p> <p>1,3 - "Iuliu Hațieganu" University of Medicine and Pharmacy, 1st Surgery Clinic, Cluj-Napoca</p> <p>2 - Babes Bolyai University, Department of Computer Science</p>	
12:00 – 12:30	<p>Identificarea automată bazată pe inteligența artificială a bacililor acidorezistenți în lame colorate cu Ziehl-Neelsen</p> <p>AI-based Automatic Identification of Acid Fast Bacilli in ZN Stained slides</p> <p><i>Sabina Zurac, C. Mogodici, T. Poncu, M. Trascau, C. Popp, L. Nichita, M. Cioplea, B. Ceachi, L. Sticlaru, A. Cioroianu, M. Busca, O. Stefan, I. Tudor, A. Voicu, D. Stanescu, P. Mustatea, C. Dumitru, A. Vilaia, A. Bastian.</i></p> <p><i>University of Medicine and Pharmacy "Carol Davila" Colentina University Hospital Zaya Artificial Intelligence, National University of Science and Technology Politehnica Bucharest</i></p>	

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12:30 – 13:00	Vaccinuri personalizate în terapia cancerului: noi abordări Personalized Vaccine Therapies in Cancer - A New Approach <i>Virgil Păunescu, Florina Bojin, Oana Gavriliuc</i> „Oncogene” Institute Timișoara, University of Medicine and Pharmacy „Victor Babes” Timișoara
13:00 – 14:30	Pauză de Prânz Lunch Break
	Sesiunea 2: Medicină Translațională Chair: Prof. Dr. Dan Duda Prof. Dr. Irinel Popescu Session 2: Translational Medicine
14:30 – 15:00	Modele inovative în Medicina Translațională: accelerând călătoria de la descoperire la terapie Innovative Models in Translational Medicine: Accelerating the Journey from Discovery to Therapy <i>Radu Iliescu, Viorel Scripacriu, Bogdan Tamba, Dragoș Viorel Scripcariu</i> <i>University of Medicine and Pharmacy "Grigore T. Popa", Iași</i>
15:00 – 15:30	Micromediul inflamator și dinamica mutațiilor RAS, BRAF, EGFR în cancerul colorectal Inflammatory Microenvironment and RAS, BRAF, EGFR Mutational Dynamics in Colorectal Cancer <i>Liviu Bîlteanu, Ovidiu-Ionuț Geicu, Loredana Stanca, Adriana Petcu, Florin Iordache, Andreea-Iren Șerban</i> <i>The Institute of Oncology "Alexandru Trestioreanu", Bucharest</i>
15:30 – 16:00	Biopsia lichidă pentru caracterizarea genomică a cancerului ductal pancreatic Liquid Biopsy for Genomic Assessment of Pancreatic Ductal Adenocarcinoma <i>Iacob Razvan^{1,2,3}, Sorop Andrei^{1,2}, Cretu Mircea^{2,3}, Manea Ioana^{2,3}, Varzaru Bianca^{2,3}, Bunduc Ștefania^{1,2,3}, Ionescu Victor⁴, Croitoru Vlad^{1,2}, Cazacu Irina^{1,2}, Croitoru Adina^{1,2}, Herlea Vlad^{1,2}, Becheanu Gabriel^{1,2,3}, Dumbrava Mona^{1,2}, Ceafalan Laura^{3,4}, Simona Dima^{1,2,3}, Gheorghe Cristian^{1,2,3} and Popescu Irinei^{1,2}</i> ¹ Fundeni Clinical Institute, Bucharest ² Center of Excellence in Translational Medicine, Fundeni, Bucharest ³ “Carol Davila” University of Medicine and Pharmacy, Bucharest ⁴ National Institute of Pathology “Victor Babeș”, Bucharest

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16:00 – 16:30	<p>Descoperirea de biomarkeri în cancer. Diagnostic și rezistență la terapia țintită în melanom</p> <p>Discovery of Cancer Biomarkers. Diagnostic and Resistance to Targeted Therapy in Melanoma</p> <p><i>Ioana Militaru, Cristian V. Munteanu, Ștefana M. Petrescu</i></p> <p><i>Institute of Biochemistry of the Romanian Academy, Bucharest</i></p>
16:30 – 17:00	<p>Terapie personalizată de următoare generatie pentru cancerul gastrointestinal. O perspectivă personalizată translatională</p> <p>Next Generation Personalized Therapy for GI Cancer. A Translational Personalized Perspective</p> <p><i>Dan Duda</i></p> <p><i>Harvard University, Massachusetts General Hospital, Boston (USA)</i></p>
17:00 – 17:30	<p>Exosome în cancerul gastrointestinal. Oportunități pentru o nouă biopsie lichidă</p> <p>Exosomes in Gastrointestinal Cancers. Opportunities for a Novel Liquid Biopsy</p> <p><i>Maheswari Senthil – online intervention</i></p> <p><i>UC Irvine, California, USA</i></p>

Vineri, 29 Martie Friday, March 29th

Sesiunea 1: Virusologie

Session 1: Virology

09:30 – 10:00	<p>Epidemii recurente de rujeolă în România – o piedică în calea eradicării infecției</p> <p>Recurrent Measles Outbreaks in Romania – Turning Back the Clock on Eradication</p> <p><i>Simona Ruta^[1, 2]</i></p> <p>¹Ştefan S. Nicolau Institute of Virology, Department of Emergent Viral Infections, Bucharest</p> <p>²Carol Davila University of Medicine & Pharmacy, Bucharest</p>
10:00 – 10:15	<p>Importanța factorilor de risc intricatei în achiziția infecțiilor cu HIV și virus hepatic C</p> <p>The Importance of Intricated Risk Factors in HIV and HCV Infections Acquisition</p> <p><i>Camelia Sultana^[1, 2], Razvan Grecu^[3], Adriana Iliescu^[3], Camelia Grancea^[1], Daniela Chiriac^[1]</i></p> <p>¹Ştefan S. Nicolau Institute of Virology, Department of Emergent Viral Infections, Bucharest</p> <p>²Carol Davila University of Medicine & Pharmacy, Bucharest</p> <p>³Penitentiary Hospital Bucharest Jilava</p>
10:15 – 10:30	<p>Evolutia hepatitelor acute virale în România în ultimii 20 de ani</p> <p>Acute Viral Hepatitis – 20 Years Survey in Romania</p> <p><i>Corneliu Popescu^[1,2], Ligia Iftimoaie^[2], Raluca Dirtu^[1,2], George Gherlan^[1,2], Alma Kosa^[2], Daniel Codreanu^[2], Augustina Culinescu^[2], Maria Nica^[1,2], Stefan Lazar^[1,2], Emanoil Ceausu^[2,3], Simona Ruta^[1,3,4], Simin Florescu^[1,2]</i></p> <p>¹Carol Davila Univ Med & Pharm, Bucharest, Romania</p> <p>²Victor Babes Hospital for Infectious and Tropical Diseases</p> <p>³Romanian Academy for Medical Sciences</p> <p>⁴Ştefan S. Nicolau Institute of Virology, Department of Emergent Viral Infections</p>

10:30 – 10:45	HHV-6 -un rol încă neclar în infecțiile SNC la pacienții imunocompetenți HHV-6 still has an Uncertain Role in CNS Infections in Immunocompetent Patients <i>Oana-Alexandra Ganea^[1], Cătălin Tilișcan^[1], Violeta Molagici^[1], Aida-Isabela Adamescu^[1], Nicoleta Mihai^[1], Ștefan Sorin Aramă^[1,2], Simona Ruță^[2,3], Victoria Arama^[1,2]</i> ¹ Matei Balș National Institute of Infectious Diseases, Bucharest ² Carol Davila University of Medicine & Pharmacy, Bucharest ³ Ștefan S. Nicolau Institute of Virology, Department of Molecular Virology, Bucharest
10:45 – 11:00	Infecția cu HPV și dezechilibrul asociat al microbiotei - impactul în oncogeneza cervicală The Impact of HPV Infection and the Associated Microbiota Imbalance on Cervical Oncogenesis <i>Alina Fudulu^[1], Irina Liviana Stoian^[2], Anca Botezatu^[1], Ciprian Gavrila Ilea^[2], Demetra Gabriela Socolov^[2]</i> ¹ Ștefan S. Nicolau Institute of Virology, Department of Molecular Virology, Bucharest ² University of Medicine and Pharmacy "Grigore T. Popa", Iasi
11:00 – 11:15	NGS: de la cercetare la practica clinică NGS: Moving from Research to Clinical Practice <i>Simona Paraschiv^[1, 2]</i> ¹ Matei Balș National Institute of Infectious Diseases, Bucharest ² Carol Davila University of Medicine & Pharmacy, Bucharest
11:15 – 11:30	Pauză de Cafea Coffee Break
11:30 – 11:45	Modificări epigenetice în infecția cu SARS-COV-2 Epigenetic Alterations in SARS-COV-2 Infection <i>Iulia Ianucu^[1], Adriana Plesa^[1], Adrian Albulescu^[1], Alina Fudulu^[1], Saviana Nedeaianu^[1], Coralia Bleotu^[1], Corneliu Petru Popescu^{[2][3]}, Camelia Sultana^{[1][2]}, Simona Maria Ruta^{[1][2]}, Carmen Cristina Diaconu^[1], Anca Botezatu^[1]</i> ¹ Ștefan S. Nicolau Institute of Virology, Department of Molecular Virology, Bucharest ² Carol Davila University of Medicine and Pharmacy, Bucharest ³ Victor Babeș Clinical Hospital for Infectious and Tropical Diseases, Bucharest

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11:45 – 12:00	Persistența răspunsului imun anti-SARS-CoV-2 Persistence of Anti-SARS-CoV-2 Immune Response <i>Lilia Matei</i> ^[1] , <i>Chivu-Economescu M.</i> ^[1] , <i>Dragu D.L.</i> ^[1] , <i>Voicu O-L.</i> ^[1] , <i>Sultana M.C.</i> ^[1,2] , <i>Radu E</i> ^[1, 3] , <i>Bleotu C</i> ^[1] , <i>Diaconu C.C.</i> ^[1] , <i>Ruta S.M.</i> ^[1] ^[2] ¹ Ştefan S. Nicolau Institute of Virology, Department of Cellular & Molecular Pathology, Bucharest ² Carol Davila University of Medicine & Pharmacy, Bucharest ³ Institute for Water Quality, Technische Universitaet Wien, Vienna, Austria
12:00 – 12:15	Analiza factorilor asociați formelor severe de COVID-19 într-un spital terțiar din România Analysis of Factors associated with Severe COVID-19 in a Tertiary Hospital in Romania <i>Raluca-Maria Hrișcă</i> ^[1] , <i>Ghiță Alexandru</i> ^[1] <i>Alexandru Filippi</i> ^[2] , <i>Simona Ruta</i> ^[2,3] ¹ Dr. Carol Davila Central Military University Emergency Hospital, Bucharest ² Carol Davila University of Medicine and Pharmacy, Bucharest ³ Ştefan S. Nicolau Institute of Virology, Bucharest
12:15 – 13:45	Pauză de Prânz & Vizualizare ePoster-e Lunch Break & Poster Viewing
Sesiunea 2: Medincină Celulară și Moleculară Session 2: Cellular and Molecular Medicine	
13:45 – 14:15	Scorul de risc poligenic bazat pe scanarea genomica si aplicatia clinica in bolile psihice Polygenic Risk Score based on Genome-Wide Scan and its Clinical Application in Psychiatric Disorders <i>Maria Grigoriu-Şerbanescu</i> ^[1] , <i>Ana Iuliu Neagu</i> ^[2, 3] , <i>Carmen C. Diaconu</i> ^[2] ¹ Prof. Dr. Alexandru Obregia, Psychiatry Clinical Hospital Bucharest ² Ştefan S. Nicolau Institute of Virology, Department of Molecular Virology, Bucharest ³ Carol Davila University of Medicine & Pharmacy, Bucharest
14:15 – 14:30	Cresterea expresiei PD-L1 solubil este corelata cu progresia tumorala si supravietuirea redusa in cancerul gastric Elevated Circulating PD-L1 Levels Correlated with Tumor Progression and Poor Overall Survival in Gastric Cancer Patients <i>Mihaela Chivu-Economescu</i> ^[1] , <i>Herlea V.</i> ^[2] <i>Dima S.</i> ^[3] ^[4] ^[7] <i>Sorop A.</i> ^[4] , <i>Pechianu C.</i> ^[2] <i>Procop A.</i> ^[2] <i>Kitahara S.</i> ^[5] ^[6] <i>Necula L.</i> ^[1] <i>Matei L.</i> ^[1]

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	<p><i>Dragu D.,^[1] Neagu A.I.,^[1] Bleotu C.,^[1] Diaconu CC.,^[1] Popescu I.,^{[3][4]} Duda D.G.^{[5][6]}</i></p> <p>¹<i>Ştefan S. Nicolau Institute of Virology, Dept Cellular & Mol Pathol, Bucharest</i></p> <p>²<i>Fundeni Clinical Institute, Dept Pathoogyl, Bucharest</i></p> <p>³<i>Fundeni Clinical Institute, Ctr Digest Dis & Liver Transplant, Bucharest</i></p> <p>⁴<i>Fundeni Clinical Institute, Ctr Excellence Translat Med, Bucharest</i></p> <p>⁵<i>Harvard Med Sch, Edwin L Steele Labs Tumor Biol, Dept Radiat Oncol, Boston, MA, USA</i></p> <p>⁶<i>Massachusetts Gen Hosp, Boston, MA, USA</i></p> <p>⁷<i>Carol Davila University of Medicine & Pharmacy, Bucharest</i></p>
14:30 – 14:45	<p>COL10A1 – Potențial Biomarker și țintă terapeutică în cancerul gastric</p> <p>COL10A1 – Potential Biomarker and Therapeutic Target in Gastric Cancer</p> <p><i>Laura G. Necula^[1], Chivu-Economescu M.^[1], Dragu L.D.^[1], Matei L.^[1], Pitica I.^[1], Neagu A.I.^[1], Nedeianu S.^[1], Mambet C.^[1], Bleotu C.^[1], Diaconu C.C.^[1]</i></p> <p><i>Ştefan S. Nicolau Institute of Virology, Department of Cellular & Molecular Pathology, Bucharest</i></p>
14:45 – 15:00	<p>Mecanisme moleculare ale leucemiei mieloide acute în neoplaziile mieloproliferative și mielodisplazice</p> <p>Molecular Mechanisms of Acute Myeloid Leukemia in Myeloproliferative and Myelodyspastic Neoplasms</p> <p><i>Cristina Mambet^[1, 2, 3], Anca Botezatu^[1], Petruța Gurban^[1], Laura G. Necula^[1], Lilia Matei^[1], Ana Iulia Neagu^[1, 2], Ioana Pitica^[1], Aurelia Tatic^[1, 2, 4], Alexandru Bardas^[1, 2, 4], Gabriela Mocanu^[5], Carmen Saguna^[2, 5], Raluca Manolache^[5], Andrei Colita^[2, 5], Oana Stanca^[2, 5], Cecilia Ghimici^[5], Ana Maria Vladareanu^[2, 3], Horia Bumbea^[2, 3], Mihaela Gaman^[2, 3], Stejara Mihai^[2], Mihnea A. Gaman^[2], Mihaela Popescu^[6], Saviana Nedeianu^[1], Mihaela Chivu-Economescu^[1], Coralia Bleotu^[1], Daniel Coriu^[1, 2, 4], Gabriela Anton^[1], Carmen C. Diaconu^[1], Stefan N. Constantinescu^[7],</i></p> <p>¹<i>Ştefan S. Nicolau Inst Virol, Dept Cellular & Mol Pathol, Bucharest</i></p> <p>²<i>Carol Davila Univ Med & Pharm, Bucharest</i></p> <p>³<i>Emergency University Hospital, Dept Hematology, Bucharest</i></p> <p>⁴<i>Fundeni Clinical Institute, Dept Hematology, Bucharest</i></p> <p>⁵<i>Coltea Clin Hospital, Dept Hematology, Bucharest</i></p> <p>⁶<i>Colentina Clinical Hospital, Dept Hematology, Bucharest</i></p> <p>⁷<i>de Duve Institute, Université catholique de Louvain, Member, Ludwig Cancer Research Brussels</i></p>

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15:00 – 15:15	Profiluri genetice și epigenetice ale genelor TET1 și TET2 în neoplazii mieloproliferative Genetic and Epigenetic Profiles of TET1 and TET2 Genes in Myeloproliferative Neoplasms <i>Anca Botezatu^[1], Iulia V. Iancu^[1], Cristina Mambet^[1,2,3], Petruța Gurban^[1], Adrian Albulescu^[1], Alina Fudulu^[1], Aurelia Tatic^[1,2,4], Alexandru Bardas^[1,2,4], Coralia Bleotu^[1], Adriana Plesa^[1], Stefan N. Constantinescu^[5], Carmen C. Diaconu^[1]</i> ¹ <i>Ştefan S. Nicolau Institute of Virology, Department of Molecular Virology, Bucharest</i> ² <i>Carol Davila University of Medicine & Pharmacy, Bucharest</i> ³ <i>Emergency University Hospital, Dept Hematology, Bucharest</i> ⁴ <i>Fundeni Clinical Institute, Dept Hematology, Bucharest</i> ⁵ <i>de Duve Institute, Université catholique de Louvain, Member, Ludwig Cancer Research Brussels</i>
15:15 – 15:30	Dezvoltare modele tumorale 3D (organoizi) din ţesut de glioblastom derivat de la pacienti 3D tumor organoid models from patient-derived glioblastoma tissue <i>Ana - Maria Enciu^[1,2], E. Codrici^[1,2], I.D. Popescu^[1], M. Dudău^[1], P.M. Rădoi^[2,3], C. Tanase^[1,4] and M.E Hinescu^[1,2]</i> ¹ <i>Victor Babeş National Institute of Pathology, Bucharest, Romania</i> ² <i>Carol Davila University of Medicine and Pharmacy, Bucharest, Romania</i> ³ <i>National Institute of Neurology and Neurovascular Disease, Bucharest, Romania</i> ⁴ <i>Medical Research Institute "Nicolae Cajal", Titu Maiorescu University, Bucharest, Romania</i>
15:30 – 17:30	WORKSHOP: PROGRES ÎN TEHNOLOGIILE DE IMAGISTICĂ A PIELII – Biopsia Virtuală sau povestea Microscopiei Confocale de Reflectanță (RCM) ADVANCES IN SKIN IMAGING TECHNOLOGIES – Virtual Biopsy or the tale of Reflectance Confocal Microscopy (RCM)
15:30 – 15:45	Introducere – Ce este RCM și la ce ne folosește? Introduction – What is RCM and why do we need it? <i>Vlad Voiculescu & Elena Cosma</i> <i>Carol Davila University of Medicine & Pharmacy, Bucharest</i>

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15:45 – 16:05	RCM în tumori RCM in Tumours <i>Giovanni Pellacani</i> <i>Faculty of Medicine, Chair of Dermatology – University of Sapienza Rome</i>
16:05 – 16:20	RCM în leziunile roz RCM in Pink Lesions <i>Mihai Lupu</i> <i>Carol Davila University of Medicine & Pharmacy, Bucharest</i>
16:20 – 16:40	RCM în afecțiunile inflamatorii RCM in Inflammatory Diseases <i>Marco Ardigo</i> <i>Department of Biomedical Sciences, Humanitas University, Milan, Italy</i>
16:40 – 17:00	RCM – cazuri clinice relevante RCM – Relevant Clinical Cases <i>Babar Rao</i> <i>Rutgers Center for Dermatology, NJ, USA</i>
17:00 – 17:15	Experiența actuală românească cu RCM și perspective viitoare asupra imagisticii cutanate Current Romanian Experience with RCM and Future Perspectives on Skin Imaging <i>Vlad Voiculescu</i> <i>Carol Davila University of Medicine & Pharmacy, Bucharest</i>
17:15 – 17:30	Closing Remarks