



**Institutul Național de Cercetare-Dezvoltare
în Domeniul Patologiei și Științelor Biomedicale
„VICTOR BABEȘ”
www.ivb.ro**

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**INTERNATIONAL PATHOLOGY CONFERENCE
OF THE „VICTOR BABEȘ” INSTITUTE
BUCHAREST
7 – 8 November 2024**



**The event will be held in-person, at the „Victor Babeș”
National Institute of Pathology
Splaiul Independenței 99-101, Bucharest, Romania**

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SCIENTIFIC PROGRAMME

Thursday 7, November 2024	
08:30-09:00	Registration
09:00-09:20	Conference opening
09:20-12:00	Session 1: Radiobiological research Chair: Gina Manda
	Introduction Gina Manda , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Radiosensitization of tumor cells by modulating the transcription factor NRF2 Elena Mihaela Dragnea , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	The PORPHYDERM project – advancing the development of porphyrinic compounds for photodynamic therapy Gina Manda , “Victor Babeș” National Institute of Pathology, Bucharest, Romania Rica Boscencu , “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania Laura Olariu , Biotehnos SA, Otopeni, Romania
	Developing an antitumor vaccine generated by photodynamic therapy Laurentiu Anghelache , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	The BIOSPHERE project – DNA damage and repair in normal cells co-exposed to energetic protons and UVB Angeliki Gkikoudi , National Technical University of Athens, Greece
	The BIOSPHERE project – stress genes in normal cells co-exposed to energetic protons and UVB Gina Manda , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Overview of the BIOSPHERE project – Impact of increased cosmic rays, UV radiation and fragility of ozone shield on the biosphere and our health Alexandros Georgakilas , National Technical University of Athens, Greece
	Discussions
12:00-12:35	Coffee break
12:35-13:00	Poster Session
13:00-13:40	Lunch time
13:40-15:55	Session 2: Edited models in cell biology research Chair: Elena Codrici
	Biochemistry-Proteomics Lab in short: 2024 overview Elena Codrici , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	CD36 editing of low malignancy breast cancer cells decreases cell proliferation and cell motility Ana-Maria Enciu , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Protocol for patient-derived glioblastoma organoids generation: current applications and future directions Elena Codrici , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	In vitro characterisation of phytosomes as carriers for bioactive compounds obtained from Hippophae rhamnoides berries Ionela Daniela Popescu , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Bioinformatics for cell biology: input, output and interpretation of data Mircea Stancu Cretu , Genomics Research and Development Institute, Bucharest, Romania

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	Preventive potential of bioactive phytochemicals as modulators of cellular proliferation, oxidative stress and epigenetic alterations Sevinci Pop , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Discussions
15:55-16:10	Coffee break
16:10-17:40	Session 4: Pathology - Varia Chairs: Gabriel Becheanu, Andrei Niculae
	Molecular Features of Spitz Melanocytic Lesions Adelina-Maria Cohn , LNS - Laboratoire National de Santé, Luxembourg
14:00-18:00	Workshop – Anatomic Pathology
	Chairs: Gabriel Becheanu, Andrei Niculae

Friday 8, November 2024	
09:00-11:20	Session 4: Short communication - Biomedical research Chairs: Carolina Constantin, Gheorghita Isvoranu
	Alteration of immune parameters in experimental psoriasis Mihaela Surcel , Adriana Munteanu, Gheorghita Isvoranu, Georgiana Dobre, Carolina Constantin, Monica Neagu. “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Immunological investigation of functional immune deficiency in respiratory infections Adriana Munteanu , Mihaela Surcel, Carolina Constantin, Monica Neagu. “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Florentina Pluteanu , Faculty of Biology, University of Bucharest, Romania
	Experimental study of hepatitis C virus E2 glycoprotein immunogenicity produced in the red microalga Crina Stăvaru , Iuliana Caraș, Irina Ionescu, Cătălin Țucureanu, Vlad Tofan, Adriana Costache, Adrian Onu, Lia-Maria Cucos, Costin-Ioan Popescu, Alexander Hammel, Juliane Neupert, Jihong Liu Clarke, Norica Branza-Nichita, Ralph Bock. “Cantacuzino” Medical Military National Research and Development Institute, Bucharest, Romania
	Targeting unconventional protein secretion as therapeutic strategy in inflammatory disorders Gabriela Chiritoiu , Simona Ghenea, Cristian Munteanu, Gheorghita Isvoranu, Marioara Chiritoiu-Butnaru . Institute of Biochemistry of the Romanian Academy, Bucharest, Romania
	Oxidation of methionine specifically boosts T cell responsiveness against a tyrosinase specific melanoma antigen Gabriela Chiritoiu , Cristian Munteanu, Pedro Romero, Stefana Petrescu. Institute of Biochemistry of the Romanian Academy, Bucharest, Romania
	Targeting TGF-β signaling to reinforce the therapeutic potential of cytokine-activated Natural Killer cells as immunotherapy in cancer Gheorghita Isvoranu , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Discussions
11:10-11:25	Coffee break
11:25-13:15	Session 5: Genomics of rare disorders Chair: Aurora Arghir
	Complex genotype-phenotype correlation in the ZNRF3 gene - a novel NDD gene Prof. Dr. Anita Rauch , Institute of Medical Genetics, University of Zurich, Zurich, Switzerland; Pediatric University Hospital Zurich, Zurich, Switzerland
	Clinical findings in rare disorders associated with autistic behavior Magdalena Budisteanu , Clinical Hospital of Psychiatry “Prof.Dr. Al. Obregia”, Bucharest, Romania
	Rare genomic variants in a cohort of children with neurodevelopmental disorders and autism

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	Sorina Papuc , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Updates in molecular monitoring of mutant NPM1 Valeriu Cismasiu , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Discussions
13:15-13:55	Lunch time
13:55-15:45	Session 6: The pathophysiology of neurodegeneration and neuromuscular diseases Chair: Laura Ceafalan
	Preliminary results PN 23.16.01.02 - Sarcopenia associated with neurodegenerative diseases: defining the molecular basis of interrelationships in the brain-striated muscle axis to identify prognostic factors and therapeutic targets Laura Ceafalan , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Sarcopenia in Parkinson's disease - clinical studies Bogdan Ovidiu Popescu , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Physical activity in Parkinson's disease Emilia Manole , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	The effect of bacterial products on α-synuclein expression - an in vitro study modelling Parkinson's disease initiation Octavian Ioghen , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Neurogenic muscle changes in neuropathies Alexandra Bastian , “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania
	Discussions
15:45-16:00	Coffee break
16:00-18:00	Session 7: Nephropathology Chairs: Mihaela Gherghiceanu, Gener Ismail
	Kidney biopsy processing for immunofluorescence and electron microscopy. Mihaela Gherghiceanu . “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Trends of biopsy-confirmed renal diseases in Romania: a single center study spanning 27 years Iuliana Ciocănea-Teodorescu , Bogdan Obrișcă, Gener Ismail, Mihaela Gherghiceanu. “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Redefining the pathological spectrum of COL4-related disorders. Ștefan Lujinschi , Gener Ismail. Fundeni Clinical Institute Bucharest, Romania
	Urinary soluble CD163 - potential biomarker for underlying histologic activity in proliferative glomerulonephritis. Bogdan Obrișca . Fundeni Clinical Institute Bucharest, Romania
	Microvascular inflammation: in and out of antibody-mediated rejection. Bogdan Sorohan . Fundeni Clinical Institute Bucharest, Romania
	The unsuspected heterogeneity of graft inflammatory infiltrate during kidney allograft rejection. George Terinte-Balcan . Hôpital Universitaire Necker, Paris, France
	Discussions
18:00-18:20	Closing remarks

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