



**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**



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	<i>Conference opening</i>
09:20-11:20	<i>Session 1: Radiobiological research</i> 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
	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
	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
	Discussions
11:20-12:35	Coffee break
12:35-13:00	Poster Session
13:00-13:40	Lunch time
13:40-15:55	<i>Session 2: Edited models in cell biology research</i> 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
	Preventive potential of bioactive phytochemicals as modulators of cellular proliferation, oxidative stress and epigenetic alterations

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	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 în experimental psoriasis Mihaela Surcel , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Immunological investigation of functional immune deficiency in respiratory infections Adriana Munteanu , “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Targeting unconventional protein secretion as therapeutic strategy in inflammatory disorders 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 , 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
	Florentina Pluteanu , Faculty of Biology, University of Bucharest, Romania
	Crina-Georgeta Stăvaru , “Cantacuzino” Medical Military National Research and Development Institute, Bucharest, Romania
	Discussions
11:10-11:25	Coffee break
11:25-13:15	Session 5: Genomics of rare disorders Chair: Sorina Papuc
	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 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

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	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
	Epidemiology of biopsy-confirmed renal diseases in Romania: a single center study spanning 27 years Iuliana Ciocănea-Teodorescu, “Victor Babeș” National Institute of Pathology, Bucharest, Romania
	Redefining the pathological spectrum of COL4-related disorders Ștefan Lujinschi, 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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