

FRIDAY 21.10.2022

Amphitheater of Animal Physiology "Acad. E. Pora"

Scientific sessions

Neuroscience and Neuropathology &

Advanced methods in cell biology and pathology, experimental models

Chairpersons: Prof. dr. Tudor Badea

Assist. prof. dr. Vlad-Alexandru Toma; Dr. Elena Butoi (*online*)

- 11<sup>15</sup>-11<sup>30</sup>** **The effects of cotinine and 6-hydroxy-l-nicotine on anxiety, depression and oxidative stress in a rat model of Alzheimer's disease**  
Razvan Stefan Boian<sup>1</sup>, Marius Mihasan<sup>1</sup>, Lucian Hritcu<sup>1</sup>  
<sup>1</sup>Department of Biology, Alexandru Ioan Cuza University of Iasi, Iasi, Romania
- 11<sup>30</sup>-11<sup>45</sup>** **Sweroside supports memory function by increasing Mrna expression of BDNF, CREB1, NRF2A, increasing the level of CREB1 protein, decreasing ACHE activity, and decreasing brain oxidative stress in the scopolamine-induced zebrafish model (*Danio rerio*)**  
Ion Brînză<sup>1</sup>, Alexandru Stache<sup>1</sup>, Omayma Eldahshan<sup>2</sup>, Lucian Gorgan<sup>1</sup>, Marius Mihasan<sup>1</sup>, Lucian Hritcu<sup>1</sup>  
<sup>1</sup> Department of Biology, Alexandru Ioan Cuza University of Iasi, Iasi, Romania, <sup>2</sup> Department of Pharmacognosy, Ain Shams University, Egypt
- 11<sup>45</sup>-12<sup>00</sup>** **Following Cajal: new forms of cellular organization in the central nervous system of birds**  
Vlad-Alexandru Toma<sup>1,2</sup>, Bogdan Dume<sup>1</sup>  
<sup>1</sup>Department of Molecular Biology and Biotechnology, Faculty of Biology and Geology, Babes-Bolyai University, Cluj-Napoca, Romania, <sup>2</sup>Institute of Biological Research Cluj-Napoca, Romania
- 12<sup>00</sup>-12<sup>05</sup>** **ePoster: Non-apoptotic regulated cell death mechanisms under lipid-lowering therapy**  
Elena Uyy, Viorel I. Suica, Raluca M. Boteanu, Luminita Ivan, Felicia Antohe  
Proteomics Department, Institute of Cellular Biology and Pathology "Nicolae Simionescu", Bucharest, Romania
- 12<sup>05</sup>-12<sup>10</sup>** **ePoster: Exosome proteomics reveals deregulated signaling pathways**  
Viorel I. Suica<sup>1</sup>, Georgiana Bernea<sup>2</sup>, Elena Uyy<sup>1</sup>, Luminita Ivan<sup>1</sup>, Raluca M. Boteanu<sup>1</sup> and Felicia Antohe<sup>1</sup>  
<sup>1</sup>Department of Proteomics, Institute of Cellular Biology and Pathology "Nicolae Simionescu" of the Romanian Academy, Bucharest, Romania  
<sup>2</sup>"Prof. N. Paulescu" National Institute of Diabetes, Nutrition and Metabolic Diseases, Bucharest, Romania
- 12<sup>10</sup>-12<sup>15</sup>** **ePoster: Hepatic alarmins and mitochondrial dysfunction under residual hyperlipidemic stress led to irreversible nonalcoholic fatty liver disease in gestational diabetes mellitus lowering therapy**  
Luminita Ivan, Elena Uyy, Viorel I. Suica, Raluca M. Boteanu and Felicia Antohe  
Department of Proteomics, Institute of Cellular Biology and Pathology "Nicolae Simionescu" of the Romanian Academy, Bucharest, Romania
- 12<sup>15</sup>-12<sup>20</sup>** **ePoster: Molecular signatures of valvular endothelial cells and monocytes cross-talk in early diabetic conditions**  
Monica Tucureanu, Letitia Ciortan, Ileana Manduteanu  
Institute of Cellular Biology and Pathology "Nicolae Simionescu", Bucharest, Romania
- 12<sup>20</sup>-12<sup>35</sup>** **online-The entanglements of archaeosciences at Bucharest: a long-term view**  
Catalin Lazar, Carmen Chfiriuc  
Research Institute of the University of Bucharest (ICUB), Bucharest, Romania

**12<sup>35</sup>-12<sup>50</sup> Inherited metabolic disorders and deficiency of complex assembly: A rare ATP synthase defect in human mitochondria**

Romana Vulturar<sup>1,2</sup>, Laura Damian<sup>3</sup>, Cecilia Lazea<sup>4</sup>, Melinda Baizat<sup>5</sup>, Adina Chiș<sup>1,2</sup>, Alina Botezatu<sup>6</sup>, Alina Nicolescu<sup>7</sup>, Călin Deleanu<sup>7</sup>, Gabriella Horvath<sup>8</sup>

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**12<sup>50</sup>-13<sup>05</sup> Adult-onset autoinflammatory diseases at the crossroads with metabolic and genetic disorders**

Laura Damian<sup>1</sup>, Andrada Cozma<sup>1</sup>, Sonia Săbădîș<sup>1</sup>, Marc Damian<sup>2</sup>, Alexandra Vasiliu<sup>1</sup>, Romana Vulturar<sup>3</sup>

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**13<sup>05</sup>-13<sup>20</sup> Bioarchaeology - from physical to molecular anthropology.**

Beatrice Kelemen<sup>1,2</sup>, Claudia Urduzia<sup>3</sup>, Zeno Karl Pinter<sup>4,5</sup>, Catalin Dobrinescu<sup>6</sup>, Vitalie Bodolica<sup>6</sup>

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