

Friday, 21.10.2022

17<sup>25</sup>-18<sup>25</sup>Hall of the Amphitheater of Invertebrate Zoology "V. Radu"- Poster Session I

**P1. SETTING THE STAGE FOR UNVEILING THE STORY OF A HISTORICAL POPULATION FROM SOUTHEASTERN ROMANIA**

Ioana (Rusu) Drăghici<sup>1,2</sup>, Octavian Popescu<sup>1,3</sup>, Beatrice Kelemen<sup>1,2</sup>

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**P2. tba**

Dobrin Nicolae, Zamfirescu Stela

Romanian Society for Cell Biology, branch from Constanta

**P3. THERAPY INDUCED MICRORNA MODIFICATIONS IN PARKINSON'S DISEASE**

Mirabela Romanescu<sup>1</sup>, Aimee Rodica Chis<sup>1\*</sup>, Alexandra Ioana Moatar<sup>1</sup>, Catalin Marian<sup>1</sup>, Mihaela Simu<sup>2,3</sup>, Ioan Ovidiu Sirbu<sup>1</sup>

<sup>1</sup>Department of Biochemistry, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania;

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<sup>3</sup>Neurology Clinic I, Timisoara Emergency County Hospital, Timisoara, Romania

**P4. SARS-COV-2 GENOMIC VARIANTS IDENTIFICATION USING NANOPORE SEQUENCING**

Paula Diana Ciordas<sup>1,2,3</sup>, Ionut Dragos Capraru<sup>1,4,5</sup>, Flavia Medana Anghel<sup>1,2</sup>, Mirabela Romanescu<sup>1,2,3</sup>, Cristian Oancea<sup>6</sup>, Catalin Valer Marian<sup>2,3</sup>, Ioan Ovidiu Sirbu<sup>2,3</sup>, Aimée Rodica Chis<sup>2,3</sup>

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<sup>6</sup>Department of Pulmonology, "Victor Babes" University of Medicine and Pharmacy, Timișoara, Romania

**P5. TIME DEPENDENT EXPRESSION OF MMU-MIR-195 IN MOUSE HEART**

Aimée Rodica Chis<sup>1,2</sup>, Alexandra Moatar<sup>1,2,3\*</sup>, Mihai Udrescu<sup>4</sup>, Gina Isvoranu<sup>5</sup>, Rodica Badea<sup>6</sup>, Valeriu Cismasiu<sup>5</sup>, Stefan Szedlacsek<sup>6</sup>, Ioan Ovidiu Sirbu<sup>1,2</sup>

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<sup>6</sup>Enzymology Department, Biochemistry Institute, Romanian Academy, Bucharest, Romania

**P6. 3D PRINTING MACROMOLECULAR MODELS AS A TOOL TO IMPROVE TEACHING IN LIFE SCIENCES**

Marius Mihășan

Faculty of Biology, Alexandru Ioan Cuza University of Iași, Iași, Romania

**P7. THE IMPACT OF DOXORUBICIN ON THE VIABILITY AND MORPHOLOGY OF VASCULAR AORTIC SMOOTH MUSCLE CELLS**

Vatamanu Sergiu-Marian<sup>1</sup>, Maria Anghelache<sup>2</sup>, Manuela Călin<sup>2</sup>

<sup>1</sup>Faculty of Biology and Geology, University Babeş-Bolyai

<sup>2</sup>Medical and Pharmaceutical Bionanotechnologies Laboratory, Institute of Cellular Biology and Pathology Nicolae Simionescu, Bucharest, Romania

**P8. THE INFLUENCE OF CRISPR-CAS SYSTEM OVER THE HORIZONTAL GENE TRANSFER OF ANTIBIOTIC RESISTANCE GENES AT KLEBSIELLA PNEUMONIAE**

Matei-Stefan Dobrescu<sup>1,2,3</sup>, Dumitrana Iordache<sup>1,2,3</sup>, Anca Butiuc-Keul<sup>1,2</sup>

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**P9. DRAFT GENOME OF PAENARTHROBACTER NICOTINOVORANS HIGHLIGHTS ITS ANTIBIOTIC RESISTENCE AND CRISPR SYSTEMS**

Iustin-Tiberius Munteanu<sup>1</sup>, Anda-Mihaela Mleşniță<sup>1</sup>, Fakhri Kallabi<sup>2</sup>, Marius Mihășan<sup>1</sup>

<sup>1</sup>BioActive Research Group, Faculty of Biology, Alexandru Ioan Cuza University of Iași, Iași Romania; <sup>2</sup>University of Sfax, Faculty of Medicine of Sfax, Sfax, Tunisia

**P10. Effect of lingonberry (*Vaccinium vitis-idaea* L.) extract on the liver and pancreas of alcohol-inoxicated rats**

Roman Ioana<sup>1</sup>, Toma Vlad Alexandru<sup>1,2</sup>

<sup>1</sup>Institute of Biological Research, Branch of NIRDBS Bucharest, Romania; <sup>2</sup>Faculty of Biology and Geology, Babeş-Bolyai University, Cluj-Napoca, Romania

**P11. ANTIMICROBIAL ACTIVITY OF *ALLIUM SATIVUM* AND *ALLIUM URSINUM* EXTRACTS**

Ioana Andreea Barbu<sup>1,2</sup>, Rahela Carpa<sup>1,2</sup>, Alexandra Ciorîță<sup>3</sup>, Anca Butiuc<sup>1,2</sup>, Marcel Pârnu<sup>1</sup>

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**P12. N1/N2 NEUTROPHIL SUBTYPES DIFFERENTIALLY MODULATE CARDIAC FIBROBLAST PHENOTYPE**

Ana-Maria Gan, Sergiu Cecoltan, Mihaela Vadana, Letitia Ciortan, Andreea Mihaila, Monica Tucureanu, Razvan Macarie, Maya Simionescu, Elena Butoi

Institute of Cellular Biology and Pathology "Nicolae Simionescu", Bucharest, Romania

**P13. SMOOTH MUSCLE CELLS INFLAMMATION AND SECRETED INFLAMMATORY MEDIATORS ARE INCREASED IN THE CROSS-TALK WITH MACROPHAGES; MODULATORY EFFECTS OF FICOLIN 2**

Răzvan Macarie\*, Monica Pîrvulescu\*, Letiția Ciortan, Anca Gan, Elena Butoi, Ileana Mânduțeanu

Institute of Cellular Biology and Pathology "Nicolae Simionescu", Bucharest, Romania

**P14. SPATIO-TEMPORAL VARIATION OF BACTERIAL DIVERSITY AND CARBAPENEM RESISTANCE GENES IN WASTEWATERS**

Adela Teban-Man<sup>1,2</sup>, Edina Szekeres<sup>2,3</sup>, Andreea Baricz<sup>3</sup>, Adriana Hegedus<sup>2</sup>, Marcel Pârnu<sup>1</sup> and Cristian Coman<sup>2</sup>

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**P15. THE EFFECT OF LIPOPOLYSACCHARIDES LENGTH ON THE FOLDING OF OMPA PROTEIN**

Paula V. Bulieris

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**Friday, 21.10.2022**

**17<sup>25</sup>-18<sup>25</sup> Hall of the Amphitheater of Animal Physiology "Acad. E. Pora" - Poster Session II**

**P16. ANTI-CANDIDA BIOFILM ACTIVITY OF SYNTHETIC FLAVONOID BrCl**

Mihaela Savu<sup>1</sup>, Lucian Mihail Birsa<sup>2</sup>, Marius Stefan<sup>1</sup>

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**P17. THE USE OF BIOCHEMICAL PARAMETERS FOR MONITORING DOXORUBICIN CARDIOTOXICITY**

Andreea Vădan<sup>1</sup>, Emilia Anca<sup>1</sup>, Mădălina Marinescu<sup>1</sup>, Camelia Dobre<sup>1</sup>, Corina Roșioru<sup>1</sup>

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**P18. CORE MICROBIOME OF SELECTED ROMANIAN KARST SPRINGS AND COMMUNITY RESPONSE TO ANTHROPOGENIC POLLUTION**

Edina Szekeres<sup>1,2,4</sup>, Andreea Baricz<sup>1,2</sup>, Zamfira Stupar<sup>3</sup>, Oana Teodora Moldovan<sup>5</sup>, Horia Leonard Banciu<sup>1,2</sup>

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**P19. STUDY ON ANTHRACYCLINE-INDUCED HEPATOTOXICITY**

Mădălina-Manuela Marinescu<sup>1</sup>, Emilia Anca<sup>1</sup>, Andreea-Maria Vădan<sup>1</sup>, Camelia Dobre<sup>1</sup>, Anca Daniela Stoica<sup>1</sup>, Corina-Luminița Roșioru<sup>1</sup>

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**P20. Ursolic acid reduces inflammation and the development of atherosclerotic lesions in hypercholesterolemic apolipoprotein e-deficient mice**

Alexandra-Gela Lazar, Mihaela- Loredana Vlad, Adrian Manea, Simona-Adriana Manea

Institute of Cellular Biology and Pathology "Nicolae Simionescu" of the Romanian Academy, Bucharest, Romania

**P21. Polyploidy and saline stress tolerance in somatic hybrids between *Solanum chacoense* and *S. tuberosum* cv. Delikat**

Magda Csiki, Mihnea Paraschiv, Lavinia Cosma, Elene Rakosy-Tican, Daniel Cruceriu

Department of Molecular Biology and Biotechnology, "Babes-Bolyai" University, Cluj-Napoca, Romania

**P22. POSTPARTUM MATERNAL PSYCHOLOGICAL MANIFESTATIONS AND THE MOTHER-CHILD COUPLE**

Cristina Dragomir, Tania Vlad, Roxana Popescu, Cristina Adriana Dehelean

University of Medicine and Pharmacy "Victor Babeș", Timisoara, Romania

**P23. A NEW EXPERIMENTAL MODEL FOR SCREENING THE PROARRHYTHMIC EFFECTS OF DRUGS**

Alin-Alexandru Andrei<sup>1,2</sup>, Cristian Sevcencu<sup>1,2</sup>

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**P24. PHYTOMANAGEMENT: PLANTS AND MICROORGANISMS WORKING TOGETHER TO REMEDIATE MERCURY CONTAMINATED SOIL**

Mihaela Gălean<sup>1</sup>, Emanuela D. Tiodar<sup>1,2</sup>, Mihai C. Grimm<sup>1</sup>, Cristina L. Văcar<sup>1,2</sup>, Dorina Podar<sup>1</sup>

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**P25. POLYDOPAMINE FUNCTIONALIZED SiO<sub>2</sub> NANOPARTICLES AS DRUG DELIVERY PLATFORM**

Mădălina Buhazi <sup>1</sup>, Maria Suci<sup>1,2</sup>, Ioana Grosu <sup>3</sup>, Anca Petran <sup>4</sup> Xenia Filip <sup>3</sup>

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**P26. THE IMPORTANCE OF HPV TESTING IN MEN**

Ștefan-Claudiu Mirescu<sup>1</sup>, Lăcrămioara Grigore<sup>1</sup>, Bianca Idomir<sup>1,2</sup>

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**P27. IMPLEMENTING A DIGITAL TELECYTOLOGY TRAINING SYSTEM FOR PAPANICOLAOU SCREENING**

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