

SATURDAY 22.10.2022

Amphitheater of Zoology "E. Racoviță"

Scientific Session

Competitive research - Ph.D. students presentations

Chairperson:

Dr. Răzvan Boiangiu

Assist. prof. dr. Daniel Cruceriu

- 13¹⁵-13³⁰ Effects of biologically synthesized silver nanoparticles on organ associated natural barriers**
Razvan Vlad Opris¹, Alina Mihaela Baci¹, Vlad Toma², Gabriela Adriana Filip¹, Adrian Florea¹
¹ "Iuliu Hatieganu" University of Medicine & Pharmacy, Cluj-Napoca, Romania;
² "Babeş-Bolyai" University, Cluj-Napoca, Romania
- 13³⁰-13³⁵ ePoster: Antibacterial activity of BrCl-FLAV against multidrug-resistant bacteria**
Cristina-Veronica Moldovan¹, Lucian Mihail Birsa², Stefan Marius¹
¹Faculty of Biology, Alexandru Ioan Cuza University of Iasi, Iasi, Romania, ²Faculty of Chemistry, Alexandru Ioan Cuza University of Iasi, Iasi, Romania
- 13³⁵-13⁵⁰ Online: Complete genome sequence of the nicotine-degrading soil microorganism *Paenarthrobacter nicotinovorans* ATCC 49919**
Amada El-Sabeh¹, Iasmina Honceriu¹, Fakhri Kallabi^{1,2}, Razvan-Stefan Boiangiu¹, Marius Mihasan¹
¹Faculty of Biology, Alexandru Ioan Cuza University of Iasi, Iasi, Romania
- 13⁵⁰-14⁰⁵ Biochemical characterization of a *Solanum bulbocastanum* extract and its selective cytotoxic activity**
Mihnea Paraschiv¹, Magda Csiki¹, Zorita Diaconeasa², Sonia Socaci², Ovidiu Balacescu³, Elena Rakosy-Tican¹, Daniel Cruceriu^{1,3}
¹"Babeş-Bolyai" University, Cluj-Napoca, Romania, ²University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania, ³The Oncology Institute "Prof. Dr. Ion Chiricuta", Cluj-Napoca, Romania
- 14⁰⁵-14²⁰ The impact of tumor biology on rates of breast cancer recurrence**
Vlad Bogdan Varzaru^{1,2,3}, Anca-Elena Eftenoiu, Roxana Popescu^{2,3}, Andreas Rempen¹, Ionut Marcel Cobec^{1,3}
¹Clinic of Obstetrics and Gynecology, Diakoneo Diak Klinikum, Schwäbisch Hall, Germany; ²Department of Cell and Molecular Biology, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania, ³ANAPATMOL Research Center, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania
- 14²⁰-14³⁵ Modulatory effects of simvastatin on the metabolism of B16.F10. murine melanoma cells under normoxia *in vitro***
Giorgiana G. Negrea¹, Loredana Bălăcescu², Alina Sesărman³, Manuela Banciu³
¹Doctoral School in Integrative Biology, Faculty of Biology and Geology, "Babeş-Bolyai" University, Cluj-Napoca, Romania; ²Department of Functional Genomics, Proteomics and Experimental Pathology, Institute of Oncology "Prof. Dr. Ion Chiricuță" Cluj-Napoca, Romania; ³ Department of Molecular Biology and Biotechnology, Center of Systems Biology, Biodiversity and Bioresources, "Babeş-Bolyai" University, Cluj-Napoca, Romania.
- 14³⁵-14⁵⁰ Age-dependent investment in immunity in the ant *Myrmica scabrinodis***
Kincsó ORBÁN-BAKK^{1,2}, Magdalena WITEK³, Anna DUBIEC³, Jürgen HEINZE⁴, Bálint MARKÓ^{1,2}, Enikő CSATA^{1,4}
¹Hungarian Department of Biology and Ecology, Babeş-Bolyai University, 400006 Cluj-Napoca, Clinicilor st. 5-7, Romania; ²3B Center for Systems Biology, Biodiversity and Bioresources, Sociobiology and Insect Ecology Lab, Babeş-Bolyai University, 400006 Cluj-Napoca, Clinicilor st. 5-7, Romania; ³Museum and Institute of Zoology, Polish Academy of Sciences, Wilcza 64, 00-679 Warszawa, Poland; ⁴Institute for Zoology, University of Regensburg, Universitätsstraße 31, D-93040 Regensburg, Germany

- 14⁵⁰-15⁰⁵ online - Natural aging process is associated with increased MIR-29a and downregulated serpinh1in multiple organs**
Evelyn-Gabriela Nastase-Rusu, Ana-Mihaela Lupan, Mihai Bogdan Preda, Catalina Iolanda Marinescu, Carmen Alexandra Neculachi, Alexandrina Burlacu*
Institute of Cellular Biology and Pathology "Nicolae Simionescu", Bucharest, Romania
- 15⁰⁵-15¹⁰ ePoster - The role of hypoxamir-210 on macrophage behaviour**
Carmen Alexandra Neculachi¹, Evelyn Gabriela Nastase-Rusu¹, Germana Zaccagnini², Fabio Martelli², Alexandrina Burlacu¹, Mihai Bogdan Preda¹
¹*Institute of Cellular Biology and Pathology "N. Simionescu", Bucharest, Romania*, ²*IRCCS Policlinico San Donato, Milan, Italy*
- 15¹⁰-15²⁵ online - Aggregates of dermal fibroblasts and bone marrow mesenchymal stromal cells exhibit different characteristics: implications for regenerative therapy**
Daniela-Madalina Ghetu, Ana-Maria Rosca, Raluca Tutuianu, Vasile Pruna, Maya Simionescu, Irina Titorencu
Institute of Cellular Biology and Pathology "Nicolae Simionescu" of the Romanian Academy, Bucharest, Romania
- 15²⁵-15⁴⁰ Effects of combined therapy based on IL-13-LCL-PLP and PEG-EV-DOX on melanoma angiogenesis**
Stefan Dragan¹, Alina Sesarman¹, Vlad Toma², Manuela Banciu¹
¹*Department of Molecular Biology and Biotechnology and Center of Systems Biology, Biodiversity and Bioresources, Faculty of Biology and Geology, Babes-Bolyai University, Cluj-Napoca, Romania*; ² *Department of Biochemistry and Experimental Biology, Institute of Biological Research, Republicii Street No. 48, branch of NIRDBS Bucharest, Cluj-Napoca, Romania*
- 15⁴⁰-15⁵⁵ Mechanisms and applications of cell-penetrating peptides**
Ana-Maria Tolos^{1,2}, Carmen Popa^{1,2}, Cristian Moisa¹, Andreea Ioana Lupitu¹, Mihaela Dochia¹, Dorina Chambre¹, Dana G. Radu,¹ Lucian Copolovici¹, Dana Maria Copolovici¹
¹ *"Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection; and Institute for Research, Development and Innovation in Technical and Natural Sciences, Romania*; ² *Biomedical Sciences Doctoral School, University of Oradea, Romania*