

**PRESENTATION ORDER**  
**FUNDAMENTAL SCIENCES**  
**SATURDAY, THE 8<sup>TH</sup> OF DECEMBER 2018**

**8:30-8:40 - Angiotensin II - a key factor in the occurrence of renal fibrosis**

**Authors:** Delia Melania I. Popa

**Coauthors:** Șerpeanu MA Irina Alexandra, Alexandru-Dan R. C. Costache

**Scientific Coordinators:** Professor Ionela-Lacramioara Șerban, Lecturer Minela Aida Mărânducă

**8:40-8:50 - Cerebellum as a controller of oscillatory cortical activity from normal to pathological states**

**Authors:** Razvan Alexandru A. Steopoaie

**Scientific Coordinators:** Associate Professor Ana-Maria Zagrean

**8:50-9:00 - Connectomics analysis of wind-sensing and memory retrieval pathways in *Drosophila melanogaster***

**Authors:** Patricia-Demetria R.F. Popovici

**Scientific Coordinators:** Student Ruairi J.V. Roberts, MD PhD Marta Costa, Student Serene Dhawan, MD PhD Gregory S.X.E. Jefferis, Student Alexander Shakeel Bates

**9:00-9:10 - Diabetic retinopathy – sentence to blindness?**

**Authors:** Laura D. Preoteasa

**Coauthors:** Alida Nicoleta G. Dumitru, Claudia A. Mihail, Diana Elena P. Pirlea

**Scientific Coordinators:** MD PhD Dana Preoteasa

**9:10-9:20 - Effects of two nitrates in nociceptive reactivity in mice – experimental data**

**Authors:** Ana D. Damaschin

**Coauthors:** Andrei D. Damaschin, Cosmin I.G. Tartau

**Scientific Coordinators:** Associate Professor Liliana Mititelu-Tartau

**9:20-9:30 - Experimental data regarding the effects of codeine –Flurbiprofen association in nociceptive sensitivity in mice**

**Authors:** Andrei D. Damaschin

**Coauthors:** Ana D. Damaschin, Cosmin I.G. Tartau, Ioana-Irina C. Rezus

**Scientific Coordinators:** MD PhD Liliana Mititelu-Tartau

**9:30-9:40 - In vitro cleavage of total tau by Human Serine Protease HtrA2/Omi**

**Authors:** Miruna M. Rașcu

**Scientific Coordinators:** Lecturer Homira Behbahani

**9:40-9:50 - In vivo chemogenetic modulation of seizure activity in mice**

**Authors:** Raluca-Elena G.S. Mitran

**Coauthors:** Patricia-Demetria R.F. Popovici, Miruna M Rascu

**Scientific Coordinators:** MD Mihai Stancu

**9:50-10:00 - The coronary sinus: anatomic correlations and image orientation**

**Authors:** Andreea Maria I Zariosu

**Coauthors:** Sarah Alexandra M. Abdullah

**Scientific Coordinators:** Lecturer Pantu Cosmin

**10:00-10:10 - The effect of iron oxide nanoparticles functionalized with salicylic acid on the development of chorioallantoic membrane vessels of the avian embryo.**

**Authors:** Andrei C. Mesina

**Coauthors:** Ovidiu I. Mihailescu, Flavia Mihaela C. Stoicea, Laura Andreea I. Mîndrilă

**Scientific Coordinators:** Professor Mindrila Ion

**10:10-10:20 - The features of the histochemical peculiarities of limited proteolysis in the placental trophoblast associated with iron deficiency anemia of pregnancy and premature term of the chorionic tree**

**Authors:** Hennadii P. Petrochenkov

**Coauthors:** Olexandra Vasylyvna Garvasiuk

**Scientific Coordinators:** MD PhD Olexandra Garvasiuk

**10:20-10:30 - The frequency of HLA-A, -B and -C alleles in Transylvania's population**

**Authors:** Georgeta G. Pop

**Scientific Coordinators:** MD PhD Mihaela Elvira Cimpean, Assistant Lecturer Mihaela Laura Vica, MD PhD Stefana Balici, Professor Horea-Vladi Matei, Lecturer Costel-Vasile Seserman

**10:40-10:50 - Tumor angiogenesis in colon adenocarcinoma – an immunohistochemical point of view**

**Authors:** Teodora Ana T. Balan

**Coauthors:** Constantina Stephanie G. Panayiotou, Diana V. Andreș

**Scientific Coordinators:** MD PhD Simona Eliza Giușcă, MD PhD Irina Draga Căruntu

**10:50-11:00 - Variants of circle of Willis and their clinical significance**

**Coauthors:** Lucia L. Indrei

**Coauthors:** Ilinca L. Barbulescu

**Scientific Coordinators:** Lecturer Cosmin Panțu