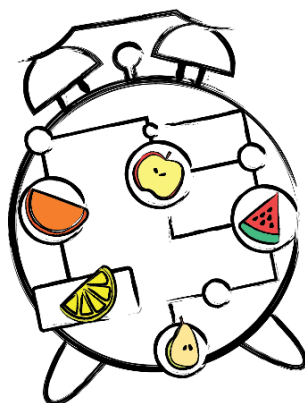


IUBMB ADVANCED SCHOOL



NUTRITION, METABOLISM AND AGING

PETNICA, SERBIA, OCTOBER 15/19, 2018

Monday, October 15, 2018

- 10:00 – 15:00 Registration (*Main hall, Central building*)
- 15:00 – 15:30 Welcome speeches (**Andrew H.-J. Wang**, President-elect of IUBMB and **Gordana Matic**, President of MolBioS) (*Planetarium*)
- 15:30 – 16:15 Plenary lecture 1 (*Planetarium*)
Joan J. Guinovart, Institute for Research in Biomedicine (IRB Barcelona) and CIBERDEM, Barcelona, Spain
Corpora Amylacea, Brain Glycogen and Aging
- 16:15 – 16:30 Discussion
- 16:30 – 17:15 Plenary lecture 2 (*Planetarium*)
Efstathios Gonos, National Hellenic Research Foundation, Athens, Greece
Aging and Proteasome
- 17:15 – 17:30 Discussion
- 18:00 – 20:00 Welcome party (*Main hall, Central building*)
- 20:00 Dinner (*Restaurant*)

Tuesday, October 16, 2018

NUTRITION

- 9:00 – 10:00 Breakfast (*Restaurant*)
- 10:00 – 11:00 Lecture (*Planetarium*)
Luc Tappy, Department of Physiology, University of Lausanne, Switzerland
Nutritional Quality of Sugars?
- 11:00 – 11:15 Coffee break
- 11:15 – 12:15 Lecture (*Planetarium*)
Juan Carlos Laguna, Department of Pharmacology, Toxicology and Therapeutic Chemistry, School of Pharmacy and Food Sciences IBUB, CIBEROBn, Barcelona, Spain
Fructose and cardiovascular risk : From Epidemiology to Translational Research
- 12:30 – 14:00 Round table (*Biological laboratory*)
Renata Jurkowska, BioMedX, Heidelberg, Germany
Young scientists' career opportunities

14:00 – 15:00	Lunch (<i>Restaurant</i>)
15:00 – 16:00	Field trip (<i>Petnica cave</i>)
16:00 – 17:00	Lecture (<i>Planetarium</i>) Ilaria Bellantuono, Academic Unit of Bone Biology, University of Sheffield, UK Geroprotectors to Improve Healthspan
17:00 – 17:15	Coffee break
18:00 – 20:00	Workshop (<i>Computer laboratory</i>) Hot topic: Bioinformatics Ivan Vujković-Cvijin, National Institute of Allergy and Infectious Disease, NIH, Bethesda, USA Current Methods for Microbiota Profiling and Analysis
20:00	Dinner (<i>Restaurant</i>)

Wednesday, October 17, 2018 METABOLISM

9:00 – 10:00	Breakfast (<i>Restaurant</i>)
10:00 – 11:00	Lecture (<i>Planetarium</i>) Edwin Sanchez, Department of Physiology and Pharmacology, University of Toledo, Ohio, USA Nuclear Receptors and the Functioning Adipocyte
11:00 – 11:15	Coffee break
11:15 – 12:15	Lecture (<i>Planetarium</i>) Tomasz Jurkowski, Institute of Biochemistry and Technical Biochemistry, University of Stuttgart Targeted DNA Methylation as an Epigenetic Tool for Cellular Reprogramming
12:30 -14:00	Workshop (<i>Biological laboratory</i>) Melita Vidaković and Nevena Grdović, Department of Molecular Biology, Institute for Biological Research „Siniša Stanković“, University of Belgrade, Serbia High Throughput gDNA Isolation and Bisulfite Conversion Using SPRI Magnetic Beads
14:00 – 15:00	Lunch (<i>Restaurant</i>)
15:00 – 17:00	Field trip (<i>Gradac</i>)
17:00 – 18:00	Lecture (<i>Planetarium</i>) Aleksandra Trifunović, University of Cologne, Koeln, Germany Mitochondrial Dysfunction in Age-related Diabetes
18:15 – 19:00	Poster session 1 (<i>Hall, Laboratory building</i>)
19:00 – 20:00	Young scientist hour: flash presentations (<i>Planetarium</i>)
20:00	Dinner (<i>Restaurant</i>)

Thursday, October 18, 2018 **AGING**

- 9:00 – 10:00 Breakfast (*Restaurant*)
- 10:00 – 11:00 Lecture (*Planetarium*)
Susan Howlett, Department of Pharmacology, Dalhousie University, Nova Scotia, Canada
Aging and Frailty in Animal Models: Clinical Relevance and Applications for Basic Research
- 11:00-11:15 Coffee break
- 11:15 – 12:15 Lecture (*Planetarium*)
Aleksandra Mladenovic Djordjevic, Department of Neurobiology, Institute for Biological Research „Siniša Stanković“, University of Belgrade, Serbia
Frailty Index vs Frailty Score in 5xFAD Mice: the Influence of Age and Gender
- 12:30 – 14:00 Workshop (*Biological laboratory*)
Confocal microscopy
Marija Svirtlih, IMGGI, University of Belgrade, Serbia
- 14:00 – 15:00 Lunch
- 15:00 – 17:00 Sport activities (swimming, basketball, volleyball, badminton, yoga...)
- 17:00 – 18:00 Lecture (*Planetarium*)
Ewa Sikora, Nencki Institute of Experimental Biology, Warsaw, Poland
Cell Senescence in Aging and Cancer
- 18:15 – 19:00 Poster session 2 (*Hall, Laboratory building*)
- 19:00 – 20:00 Young scientist hour: flash presentations (*Planetarium*)
- 20:00 Dinner (*Restaurant*)

Friday, October 19, 2018

- 9:00 – 10:00 Breakfast (*Restaurant*)
- 10:00 – 10:45 Plenary lecture 3 (*Planetarium*)
Angello Azzi, Yean Mayer USDA Human Nutrition Research Center on Aging, Tufts University, USA
Aging and Dietary Antioxidants
- 10:45 – 11:00 Discussion
- 11:15 – 12:30 Workshop (*Computer laboratory*)
Hot topic: Bioinformatics
Aleksandra Stankovic, VINCA Institute, University of Belgrade, Serbia
Bioinformatic Analysis of Large Gene-sets: The Interpretation of Aging Gene Expression Signatures
- 12:30 – 13:00 Round table (*Planetarium*)
Perspectives in Nutrition, Metabolism and Aging Research
- 13:00 – 13:30 Assignment of certificates, awards for best posters and acknowledgements to invited lecturers (*Planetarium*)
- 13:30 – 13:45 Farewell address „Time to say good bye“ (*Planetarium*)
- 13:45 – 14:00 Photo session (*Open field*)
- 14:00 Lunch (*Restaurant*)