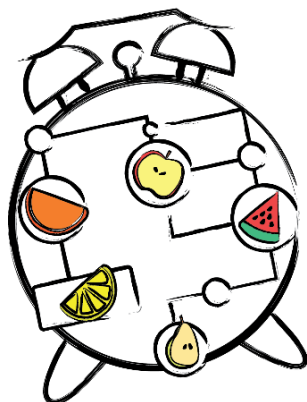


# IUBMB ADVANCED SCHOOL



## 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*)  
**Claudio Franceschi**, Department of Experimental, Diagnostic and Specialty Medicine, University of Bologna, Italy  
TBA
- 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, University of Barcelona, Spain  
TBA
- 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> ) <b>Ilaria Bellantuono, Academic Unit of Bone Biology, University of Sheffield, UK</b> Geroprotectors to Improve Healthspan
17:00 – 17:15	Coffee break
18:00 – 20:00	Workshop ( <i>Computer laboratory</i> ) Hot topic: Bioinformatics <b>Ivan Vujković-Cvijin, National Institute of Allergy and Infectious Disease, NIH, Bethesda, USA</b> 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> ) <b>Edwin Sanchez, Department of Physiology and Pharmacology, University of Toledo, Ohio, USA</b> Nuclear Receptors and the Functioning Adipocyte
11:00 – 11:15	Coffee break
11:15 – 12:15	Lecture ( <i>Planetarium</i> ) <b>Tomasz Jurkowski, Institute of Biochemistry and Technical Biochemistry, University of Stuttgart</b> Targeted DNA Methylation as an Epigenetic Tool for Cellular Reprogramming
12:30 -14:00	Workshop ( <i>Biological laboratory</i> ) <b>Melita Vidaković, Institute for Biological Research „Siniša Stanković“, University of Belgrade, Serbia</b> 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> ) <b>Aleksandra Trifunović, University of Cologne, Koeln, Germany</b> 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*)  
**Efstathios Gonos, National Hellenic Research Foundation, Athens, Greece**  
Aging and Proteasome
- 12:30 – 14:00      Workshop (*Biological laboratory*)  
Confocal microscopy  
**Marija Svrtlih, 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*)