



FoodEnTwin Workshop

Food and Environmental -Omics

Day 1, June 20, 2019 Serbian Academy of Sciences and Arts, Knez Mihailova 35, Lecture hall

9:30-10:00 **Opening of the 1st FoodEnTwin Workshop**

Session 1: Omics and the environment

Chairpersons: Tanja Cirkovic Velickovic, Paola Roncada

10:00-10:30 Katarina Smiljanic, University of Belgrade-Faculty of Chemistry, Serbia: Highly improved method for in-depth post-translational modification profiling: example of Timothy grass (*Phleum pratense*) pollen proteomes from polluted and preserved environments

10:30-11:00 Branko Sikopija, BioSense Institute, Novi Sad, Serbia: Palynology - understanding the sources of omics in environment

11:00-11:30 **Coffee break**

Session 2: Food and nutrition proteomics

Chairpersons: Andrea Urbani, Bruno De Meulenaer

11:30-12:00 Alan Mackie, University of Leeds, UK: In vitro models of food digestion for risk assessment

12:00-12:30 Danijela Apostolovic, Karolinska Institutet, Sweden: Omics of Ixodes ricinus ticks - involvement in mammalian meat allergy

12:30-13:00 Paola Roncada, The Magna Græcia University of Catanzaro, Italy (HUPO interest group): Food and nutrition proteomics

13:00-14:00 **Lunch**

Session 3: Novel in vitro and animal models for predicting effects of environmental stress

Chairpersons: Andreja Rajkovic, Karin Hoffmann-Sommergruber

14:00-14:30 Michelle Epstein, Medical University of Vienna, Austria: Animal models of allergic disease

14:30-15:00 Aleksandra Inic-Kanada, Medical University of Vienna, Austria: Search for protective antigens and appropriate animal models: case of Chlamydia trachomatis

Session 4: Food lipidomics

Chairpersons: Dragana Stanic-Vucinic, Alan Mackie

15:00-15:30 Karin Hoffman-Sommergruber, Medical University of Vienna, Austria: Lipid binding of allergens and their allergenic activity

15:30-16:00 Bruno De Meulenaer, Ghent University, Belgium: Lipid analysis to support research on the impact of environmental factors on the food lipidome

16:00-16:30 **Discussion**

19:00 **Gala dinner**

Day 2, June 21, 2019 University of Belgrade-Faculty of Chemistry, Studentski trg 16, Lecture hall

Session 5: Food analytics

Chairpersons: Danijela Apostolovic, Katarina Smiljanic

9.30-10:15 Svetlana Murzina, Institute of Biology of the Karelian Research Centre of the Russian Academy of Sciences (IB KarRC RAS), Russian Federation: Marine and freshwater "treasures" in the Arctic and sub-Arctic: biochemical status, adaptations and a quality of food

10:15-11:00 Sureyya Ozcan Kabasakal, Middle East Technical University, Ankara, Turkey: Multi-omics

Oral presentations

11:00-11:15 Slavka Stanković, University of Belgrade, Faculty of Technology and Metallurgy, Department of Analytical Chemistry, Serbia: Simultaneous determination of macro and micro elements concentrations in the mussel *Mytilus galloprovincialis* as a food by rindgen fluorescent spectrometry

11:15-11:30 Maria Krishna de Guzman, Ghent University Global Campus, South Korea: Profiling of microplastics in Korean mussels: A preliminary study

11:30-11:45 Ahmed Snoussi, Ecole Supérieure des Industries Alimentaires de Tunis, Tunis: Improvement of Wheat bread quality using lentil flour

11:45-12:00 Amin Nikkah Kolachahi, Ghent University Global Campus, South Korea: Toward Sustainable Small Scale Edible Insect Production through Life Cycle Assessment Methodology

12:00-12:30 **Coffee break**

Session 6: FoodEnTwin seminars - Reports from STSE

Chairpersons: Dusanka Milojkovic-Opsenica, Michelle Epstein

12:30-13:00 STSE to Karolinska Institutet, Sweden - Maja Mladenovic, University of Belgrade-Faculty of Chemistry, Serbia

13:00-13:20 STSE to Ghent University, Belgium - Teodora Djukic, University of Belgrade-Faculty of Chemistry, Serbia

13:20-13:40 STSE to Ghent University, Belgium - Ana Simovic, University of Belgrade-Faculty of Chemistry, Serbia

13:40-14:00 STSE to Medical University of Vienna, Austria - Katarina Smiljanic, University of Belgrade-Faculty of Chemistry, Serbia

14:00-14:10 **Closure of the workshop**

14:10-15:00 **Lunch**

15:00-17:30 **Poster session**

