



## **MULTIDISCIPLINARY COLLABORATION FOR PRECISE FOOD SCIENCE DEVELOPMENT**

Organized by the Swedish University of Agricultural Sciences (SLU) and the International Research  
Centre "Biotechnologies of the Third Millennium" and the Faculty of Biotechnology, ITMO  
University  
Financed by the Swedish Institute

**March 17, 2021**

<https://zoom.link/will.be.available.later/>

### **PROGRAM (all times are for Sweden, Saint Petersburg + 2 h)**

9:00 - 9:05 Welcome words, Igor Baranov

9:05 - 9:25 "ITMO University presentation, International educational programs", Svetlata Bazueva,  
Ekaterina Tulugurova

9:25 - 9:45 "Functional Nutrition for Healthy Longevity", Anastasia Pavlova

9:45 - 10:05 "Role of biologically active substances in noncommunicable diseases. Wastebake  
EuroTransBio project 2017-2020. Food Biotech 2021", Denis Baranenko

10:05 – 10:25 "Nanostructured micelated forms of biologically active substances of natural origin.  
BioTech Summer School 2021", Liudmila Nadtochii

10:25 - 10:45 "Applied terahertz spectroscopy and imaging", Olga Smolyanskaya

10:45 - 11:00 "ITMO University - Brussels Office program coordination", Julie Hellenbosch

11:00 – 11:30 ITMO University campus virtual tour

*Lunch*

12:00 – 13:50 Conference Rooms (see page 2), 13:50 – 14:20 Outbreak Sessions (see page 2)

### Biotechnology Session (Conference Room 1)

12:00 - 12:10 “MSc program "Food quality and safety" students' activities”, Anastasiya Ivanova  
12:10 - 12:20 “Functional food for prevention of cancer and Alzheimer disease”, Vica Ilina  
12:20 - 12:30 “Glycans as a Promising Functional Ingredient”, Muradova Mariam  
12:30 - 12:40 “Getting biologically active substances of plant origin”, Alena Proskura  
12:40 - 12:50 “Adsorption properties of the yeast cell wall”, Razan Harbah  
12:50 - 13:00 “A method for early diagnosis of endometriosis”, Roman Melchakov  
13:10 - 13:20 “Date seeds as a functional food ingredient”, Mahmood Hasheem  
13:20 - 13:30 “Biotechnologies for refrigerated food storage”, Mohamed Boulkrane  
13:30 - 13:40 “Food rations for the extreme conditions of the Arctic zone”, Lepeshkin Artem  
13:40 - 13:50 “Bacteriocins of probiotic strains of lactobacilli and study of their structure, functions and properties for use as food bio-preservatives”, Georgii Ryabinin

### Circular Economy Session (Conference Room 2)

12:00 - 12:20 “Education and Research in the field of Circular Economy”, Olga Sergienko  
12:20 - 12:40 “Life Cycle Assessment in food industry”, Mariia Daniluk / Elena Bendenko  
12:40 - 13:00 “Obtaining secondary raw materials and energy resources based on the Circular Economy principles”, Nelli Molodkina / Ksenia Kuznetsova  
13:00 - 13:20 “Life Cycle Assessment of alternative energy sources in the agricultural and food sector”, Violetta Savoskula  
13:20 - 13:35 “Composting and recycling of solid waste”, Alexandra Zabelina  
13:35 - 13:50 “Assessment of the social and environmental life cycle of functional food mixtures”, Aigul Maniahmetova

### 13:50 – 14:20 Outbreak Sessions

A - Food biotechnology  
B - Bioinformatics  
C - Economy  
D - Education

### 14:20 – 14:30 Closing