



## Sustainable and Healthy Life Finland China Food and Health Network Symposium

Venue: University of Oulu, Kontinkangas campus, F101, Aapistie 7, Oulu 90220 FI

Date: 22<sup>nd</sup> and 23<sup>rd</sup> March 2023

Registration deadline: 17<sup>th</sup> March 2023

### Symposium Program

#### 22<sup>nd</sup> March 2023 (Wednesday): Morning Session

8:00-8:10	Inaguration of the symposium by <b>Prof Aki Manninen</b> , FCFH Network core-committee head, University of Oulu
8:10 - 8:20	Welcome words by <b>Petri Karinen</b> , Business Oulu, Head of International Affairs
8:20-8:30	Greetings from Rector, <b>Prof. Taina Pihlajaniemi</b> , Rector for Research, University of Oulu
<b>Sustainability</b>	Session leader: <b>Soile Jokipii-Lukkari</b>
8:30 - 9:00	Plenary talk by <b>Prof. Riitta Keiski</b> , University of Oulu, FI. Title: Sustainability assessment and process design in food industry – Separation processes and catalysis for the support of sustainability
9:00 - 9:20	<b>Prof. Zhang Bolin</b> , Beijing Forestry University, CHN. Title: Composition of active components of sea buckthorn harvested in North part of China and their processing for a sustainable development
9:20-9:40	<b>Dr. Priyanka Trivedi</b> , University of Oulu, FI. Title: Natural wax from arctic berries: Composition, morphology and the effect of environmental factors
9:40-10:00	Coffee break
10:00 - 10:20	<b>Dr. Wenyi Tan</b> , Nanjing Institute of Technology, CHN. Title: Electrocatalytic Synthesis Ammonia - A Sustainable Route to Build Nutrition Block
10:20 - 10:40	<b>Prof. Liwei Pan</b> , Dalian University, CHN. Title: Integrated Methanation, Fertilization and Zero Emission Technology
10:40 - 11:00	<b>Dr. Leena Favén</b> , Centria, University of Applied Sciences, FI. Title: Ingredients for health promoting products. Centria's role between science and business
<b>Nutrition</b>	Session Leader: <b>Prof. Jane Chen</b>
11:00 - 11:30	Plenary talk by <b>Prof. Baoru Yang</b> , University of Turku, FI. Title: Multi-omics research on effects of berry and potato anthocyanins on sugar metabolism and type 2 diabetes
11:30 - 11:50	<b>Prof. Seppo Salminen</b> , University of Turku, FI. Title: The journey from biotics to postbiotics: how to combat definitions and regulatory challenges
11:50 - 12:10	<b>Dr. Feby Wijaya Pratiwi</b> , University of Oulu, FI. Title: Enrichment of food-derived nanovesicles using surface-functionalized cellulose nanofibers
12:10 - 13:30	Lunch Break

#### 22<sup>nd</sup> March 2023 (Wednesday): Afternoon Session

13:30 - 14:00	Funding opportunities on enhancing bilateral collaboration.
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## 23<sup>nd</sup> March 2023 (Thursday): Morning Session

8:00 - 8:30	Breakfast
<b>Health</b>	<b>Session Leader: Aki Manninen</b>
8:30 - 9:00	Plenary Talk by <b>Prof. Pasi Kallio</b> , University of Tampere, FI. Title: Microfluidics and Microsensors for Modular Organ-on-chip Devices
9:00 - 9:20	<b>Prof. Zong Geng</b> , Shanghai Institute of Nutrition and Health, CHN. Title: Plant-based food components and cardiometabolic health in epidemiological settings
9:20 - 9:40	<b>Dr. Valeria Iannone</b> , University of Eastern Finland, FI. Title: Novel microbial therapeutics with dietary change induced metabolic improvements in the liver of NAFLD mouse model
<b>Health</b>	<b>Session Leader: Jane Chen</b>
9:40 - 10:00	<b>Prof. Baojun Xu</b> , Beijing Normal University-Hong Kong, CHN. Title: Wound Healing Effects of Sea Bass ( <i>Lateolabrax maculatus</i> ) and Their Molecular Mechanisms
10:00 - 10:20	<b>Prof. Chen Lei</b> , Guangdong Ocean University, CHN. Title: Flavonoid aglycones and their glycosides: which can inhibit the production and toxicity of heterocyclic aromatic amines
10:20 - 10:40	<b>Prof. Bin Du</b> , Hebei Normal University of Science and Technology, CHN. Title: Ultrasonic Degraded Fucooidan Ameliorated Dextran Sulfate Sodium-induced Ulcerative Colitis by Reshaping Gut Microbiota and Modulating Host-Microbe Tryptophan Metabolism
10:40 - 11:00	Coffee break
<b>Health</b>	Session Leader: <b>Prof. Jian-An Huang</b>
11:00 - 11:20	<b>Prof. Xia Yang</b> , Southwest University, CHN. Title: Novel SERs strategies for detection of Toxic Substances
11:20 - 11:40	<b>Prof. Yang Li</b> , Harbin Medical University, CHN. Title: The establishment of a monitoring platform for the concentration of therapeutic drugs in human blood based on surface-enhanced Raman spectroscopy.
11:40 - 12:00	<b>Prof. Markku Savolainen</b> , University of Oulu. Title: Digital prevention methods of cardiovascular diseases – Case Onnikka
12:00 - 13:30	Lunch Break

## 23<sup>nd</sup> March 2023 (Thursday): Afternoon Session

13:30 - 14:00	Mid term report: <b>Kirsi Korpela</b> , FCFH-Co-ordinator
14:00 - 14:45	Panel discussion: <b>Discussion leader: Prof. Baoru Yang</b> . Network collaborations, Business Opportunities and support.
14:45 - 15:00	Closing words by <b>Prof. Jane Chen</b> , University of Oulu