

Food for Sustainability and Health Finland-China Food and Health Network Symposium

Venue: Joki, Turku, Finland
Date: 15th and 16th August 2023
Updated version 15 August 2023, please note that changes are possible!
The final version is available on spot.

Programme

15th August 2023 (Tuesday)	
Opening 8:00–8:20	Opening remarks Prof. Jukka Kola, Rector of University of Turku, Finland Prof. Xudong Yuan, Counselor, Science and Technology, Embassy of China
8:20–8:30	Introduction about Finland China Food and Health Network Prof. Baoru Yang, University of Turku, Finland
Nutrition & Health I 8:30–9:50	Session Chairs: Prof. Marjukka Kolehmainen, University of Eastern Finland, Finland Prof. Yumei Zhang, Peking University, China
8:30–8:50	Prof. Kati Hanhineva, University of Turku, Finland Title: Effect of 12 weeks replacement of animal-based proteins with plant ones on serum metabolite profiles
8:50–9:10	Prof. Haixia Yang, China Agricultural University, China Title: COX-2/sEH inhibition prevent aflatoxin-induced hepatocellular carcinoma
9:10–9:30	Ass. Prof. Jane Chen, University of Oulu, Finland Title: The essential role of Th17/Treg cells in inflammation
9:30–9:50	Prof. Hongfei Zhao, Beijing Forestry University, China Title: The Probiotic Function of Plant Polysaccharides
9:50–10.10	Coffee break
Nutrition & Health II 10:10 - 11:30	Session Chairs: Prof. Kati Hanhineva, University of Turku, Finland Prof. Haixia Yang, China Agricultural University, China
10:10–10:30	Dr. Yuting Su, Shenzhen University, China



	Title: Synthesis of polyphenol loaded β -D-glucan delivery systems and their potential immunomodulation of macrophage
10:30–10:50	Prof. Kirsi Laitinen, University of Turku, Finland Title: Diet, microbiota and metabolic health in pregnancy and beyond
10:50–11:10	Dr. Carlos Gomez Gallego, University of Eastern Finland, Finland Title: <i>In vitro</i> human gut microbiota fermentation models: opportunities, challenges and examples from the University of Eastern Finland
11:10–11:30	Doctoral candidate: Yuqing Zhang, University of Turku, Finland Title: Metabolic fate of DHA from regio- and stereo-specific positions of triacylglycerols in a long-term feeding trial in rats
11:30–12:40	Lunch break
Nutrition & Health III 12:40 - 14:20	Session Chairs: Prof. Kirsi Laitinen, University of Turku, Finland Ass. Prof. Jane Chen, University of Oulu, Finland
12:40–13:00	Dr. Suchetana De Storvik, University of Eastern Finland, Finland Title: Emotional eating: Relationship between implicit and explicit measurements
13:00–13:20	Prof. Yumei Zhang, Peking University, China Title: Development on Chinese human breast milk composition research and nutritional survey on maternal and children health among 10 Chinese cities
13:20–13:40	Prof. Marjukka Kolehmainen, University of Eastern Finland, Finland Title: Food is promoting health via gut – case example: Effects of whole grain cereals and berries on inflammation, gut microbiota and gut barrier function
13:40–14:00	Prof. Tao Wu, Peking University, China Title: Family-based study to understand the gene-environment interaction influencing cardiovascular risk
14:00–14:20	Prof. Hongbo Zhang, Åbo Akademi University, Finland Title: Functional Materials for Precision Medication
14:20–14:40	Coffee break
Parallel thematic sub-group discussions 14:40–15:50	A) Nutrition, health effects and food, subgroup discussion B) Sustainability of food, quality and safety, subgroup discussion C) Technology related to food, digital tools and health technology
15:50 – 16:20	Wrap up of the main points from the groups
16:20-16:40	Group Photo with all participants
17:30	Transportation from hotel to the City of Turku
18.00–19.30	Reception by the City of Turku
16th August 2023 (Wednesday)	
Food Quality & Sustainability I 8:00 - 9:40	Session Chairs: Prof. Marina Heinonen, University of Helsinki, Finland Assoc. Prof. Wei Yang, Jiangnan University, China
8:00–8:20	Prof. Baoru Yang, University of Turku, Finland Title: Novel methods for regio- and stereospecific analysis of triacylglycerols in natural fats and oils.
8:20–8:40	Prof. Yunfei Xie, Jiangnan University, China Title: Rapid Detection Method in Food Safety and Quality Control by Spectral Technology



8:40–9:00	Prof. Kaisa Linderborg, University of Turku, Finland Title: Stability of omega-3 docosahexaenoic acid and formation of oxidation indicators in different lipid forms
9:00–9:20	Prof. Wei Yang, Jiangnan University, China Title: The synthesis of fluorescent carbon dots and their sensing applications in plant oil quality and safety
9:20–9:40	Prof. Mari Sandell, University of Helsinki & University of Turku, Finland Title: How to apply consumer understanding for the sustainable development of society and businesses? Cases from Flavoria living lab
9:40–9:50	Coffee break
Food Quality & Sustainability II 9:50 - 11:10	Session Chairs: Prof. Yunfei Xie, Jiangnan University, China Prof. Kaisa Linderborg, University of Turku, Finland
9:50–10:10	Associate Prof. Fanrui Zhao, Zhejiang A&F University, China Title: Mechanism of Walnut-Derived Antioxidant Peptides in Improving Learning and Memory Dysfunction
10:10–10:30	Dr. Per Ertbjerg, University of Helsinki, Finland Title: Meat analogues and meat hybrids: Recent advances and gaps in scientific knowledge
10:30–10:50	Docent. Antti Knaapila, University of Helsinki, Finland Title: Sensory perspective on novel alternatives to animal-based foods
10:50–11:10	Dr. Mikael Fabritius, University of Turku, Finland Title: High throughput method for regio-isomeric analysis of glycerophospholipids in natural fats and oils
11.10-11.30	Dr. Ye Tian, University of Turku, Finland Title: Valorization of canola (<i>Brassica napus</i>) oil press residues as potential food products
11:30–12:40	Lunch at Flavoria and presentation at Aistikattila (Kirsi Laitinen)
Technology & Industrial application 12:40 – 15:00	Session Chairs: Prof. Xuebing Xu, Wilmar, China Dr. Mika Tuomola, Honkajoki Oy, Finland
12:20-12:40	Prof. Xuebing Xu, Wilmar, China Title: to be determined (TBD)
12:40-13:00	Dr. Mika Tuomola, Honkajoki Oy, Finland Title: Sustainable utilization of bioresources- Honkajoki's model
13:00-13:20	Dr. Riitta Partanen, Valio Oy Valio research - technology, nutrition and sustainability
13:20-13:40	Ass. Prof. Qinxue Ni, Zhejiang Jiaozhi Technology, China Title: Exploration of Functional Compounds in Gardenia Fructus and Its Industrial Application- A Traditional Chinese Medicinal Food
13:40-14:00	Megumi Hayashi, Turku Science Park, Finland Services supporting business activities of companies i
14:00-14:20	Petteri Sinervo UTU legal service IPR issues related to international collaboration
14.40–15:00	Closing remarks



**UNIVERSITY
OF TURKU**



**FINLAND-CHINA
FOOD AND HEALTH NETWORK**

15:00–16:00

Lab tours