



**UNIVERSITY  
OF TURKU**

**BIOS**

**Finland-China Food and Health  
Network Conference and Final  
Seminar**

**Euro-Sino Collaboration FCFH  
Network Symposium**

\*Updated on 2 October 2024. Please note, changes



**FINLAND-CHINA  
FOOD AND HEALTH NETWORK**



**Day 1: Thursday, 3 October 2024**

**8:30 – 9:00**

**Registration**

**9:00 – 9:15**

**Welcoming Words**

**Rector Marjo Kaartinen, University of Turku**

**9:15 – 9:30**

**Opening Remarks**

**Professor Baoru Yang, University of Turku**

**9:30 – 9:45**

**Dr. Hongzhi Sun, Embassy of the People's Republic of China in Finland,  
First Secretary and Director of Educational Affairs**

*Dr. Hongzhi Sun, Director of Education Affairs, First Secretary of the Embassy of the People's Republic of China in Finland. He has worked as a professor of forest ecology and director of international cooperation office in Northeast Forestry University in China. He is interested in higher education administration and international education collaboration studies.*

**Break**

**10:00 – 10:20**

**Euro-Sino Science Diplomacy and Responsible Collaboration**



**Dr. Olli Suominen, Counsellor, Education and Science, Finnish Embassy  
in Beijing**

**Mr. Olli Suominen, Counsellor, Embassy of Finland in Beijing**

*Mr. Olli Suominen is the Counsellor for Education and Science at the Embassy of Finland in Beijing. In his work, he promotes education and science cooperation between the institutions of the two countries. Mr. Suominen has a long professional background in educational research and China-related matters. He holds a Ph.D. degree in comparative education from the University of Turku (Finland). Before his current posting, he worked as a desk officer at the Ministry for Foreign Affairs of Finland.*

**10:20 – 10:40**

**Sino-Finnish Business Collaboration – Opportunities for Further  
Cooperation**

**Dr. Mika Klemettinen, Trade and Innovation Consul, Head of Shanghai  
Office**

*Dr Mika KLEMETTINEN is currently the Trade and Innovation Consul at the Consulate General of Finland in Shanghai as well as the Head of Innovation China at Business Finland. Mika holds a PhD in AI and telecommunications and has more than 30 years of academic and industrial experience from international innovation cooperation, digitalization, and digital transformation, but his interests are crossing all the thematic fields and industries. In 1994-2000, he worked at the University of Helsinki, in 2000-2013 at Nokia, and from 2014 onwards on the governmental side at Tekes and Business Finland.*



**10:40 – 11:30**

**Review of Activities, Outcomes, and the Future of the Finland-China Food and Health Network**

**Professor Baoru Yang, University of Turku with other theme leaders of the network: Professor Marina Heinonen, University of Helsinki; Professor Marjukka Kolehmainen, University of Eastern Finland and Professor Aki Manninen, University of Oulu**

**11:30 – 13:00**

**Lunch, BioCity Mauno**

**13:00 – 13:40**

**Technical Session 1: Nutrition and Health Effects of Food**

**Unlocking the Power of Omega-3: How Specialized Pro-Resolving Mediators (SPM) Regulate Immunity and Inflammation for Optimal Health**  
**Professor Jesmond Dalli, Professor in Molecular Pharmacology, Lipid Mediator Unit Director, Queen Mary University of London, UK**

*Jesmond Dalli is a Professor of Molecular Pharmacology at the Barts and The London School of Medicine and Dentistry and Queen Mary College. He is also the director of the Lipid Mediator Unit at the William Harvey Research Institute. He received a B.Sc (Hons) in chemistry and biology and an M.Sc in biology from the University of Malta. He then read for and completed a PhD at the William Harvey Research Institute, Queen Mary University of London with Prof. Mauro Perretti. Professor Dalli then moved to Prof. Charles N. Serhan's laboratory at Harvard Medical school and the Brigham and Women's Hospital*



*where he held the position of Instructor. He was also the co-director with Prof. Serhan of two NIH funded lipid mediator metabololipidomics cores. He published over 170 peer-reviewed publications including publications in Nature Medicine, Immunity and Science Translation Medicine.*

**13:40 – 14:40**

**Presentations on Research Supported by FCFH Seed Funding**

**Survey on the Nutrition and Health Status of Middle-aged and Elderly People in Five Western Regions of China in 2023 – Nutritional concerns in 5 cities including Lhasa, Dali, and Ordos**

**Professor Yumei Zhang, Beijing University, China**

*Research focus are Maternal and child nutrition and breast milk components;  
Nutrition survey and nutrition intervention;*

*Functional food & ingredients on Non-communicable Chronic Disease*

**Registration & Regulation of Special Food in China**

**Senior Researcher Xueying Ma, Technology Innovation Center of Special Food, State Administration for Market Regulation**

*Xueying Ma holds a D.Sc degree in Food Development from the University of Turku, Finland. Dr.Xueying Ma is the R&I director, Technology Innovation Center of Special Food, State Administration for Market Regulation in China, responsible for research and innovation, Joint Laboratory management and international cooperation.*



**The influence of anthocyanins in blueberry extract on retinal damage induced by diabetes mellitus**

**Associate Professor Wei Yang, Jiangnan University, China**

*Wei Yang holds a PhD degree in Food Chemistry from the University of Turku and currently works as an associate professor at Jiangnan University. His research has focused on the study of flavonoids and fatty acids which have potential benefits for human health. Specifically, the research focus on fatty acid-colloid interactions, the effect of flavonoids on the digestion and absorption of fats, and the high-value utilization of agricultural wastes.*

**14:40 – 15:00**

**Coffee Break**

**15:00 – 16:00**

**Theme-Specific Discussion on Continuation Beyond 2024**

**18:00**

**Dinner, BioCity Mauno**

**Day 2: Friday, 4 October 2024**

**8:30 – 9:00**

**Registration**

**9:00 – 9:40**

**Technical Session 2: Sustainable Food System**



## **A sustainable diet in a Nordic perspective**

**Professor Helle Margrete Meltzer, Norwegian Institute of Public Health,  
Norway**

*Helle Margrete Meltzer has a PhD in nutrition and has worked for more than 25 years at the Norwegian Institute of Public Health, part of the time as a Research Director. She has a longstanding engagement with issues connected to diet and sustainability and she brought this engagement with her into the work of revising the Nordic Nutrition Recommendations where she was a member of the central working group. She is also member of the Norwegian Nutrition Council.*

**9:40 – 10:20**

**Presentations on Research Supported by FCFH Seed Funding / Other  
Invited Lectures**

**MediFoods: Development of novel foods from Asian-European medicine  
herb**

**Dr. Ye Tian, Docent, Academy Research Fellow, University of Turku**

*Docent Dr. Ye Tian is currently working as an Academic research fellow in the Food Sciences unit, University of Turku. He has years' experience in the field of bioactive compounds of natural sources and specializes in the analysis using LC-MS. His expertise includes: 1) plant secondary metabolites, 2) the antioxidant and antibacterial effects of bioprocessing on plant bioactive components, and 3) valorization of agro-industrial side-streams as innovative food products. His research work have been published in the international key-*



*journals such as Trends in Food Science & Technology, Food Chemistry and Journal of agricultural and food chemistry.*

**“NEWPLANT”**: Impact of processing on the biochemical composition of sustainable plant-based products and their effect on microbiota and human metabolism  
Doctoral Researcher Jasmin Raita, University of

*Jasmin Raita is a doctoral researcher at the Food Sciences unit at University of Turku. Her research focus is on plant-based products and the effect of various processing techniques on their biochemical composition.*

**Turku**

**10:20 – 10:30**

**Coffee Break**

**10:30 – 11:10**

**Presentations on Research Supported by FCFH Seed Funding / Other Invited Lectures**

**Adding pea protein into beef patties for a more sustainable and higher-quality meat product**

**Dr. Jian Lyu, University of Helsinki**

*Jian Lyu completed her PhD from Meat Technology Group, Department of Food and Nutrition, University of Helsinki in 2022. Her PhD project concerned the effect of proteolytic enzymes and their involvement in the meat tenderization process. Since then she continued to work as a postdoctoral*





*researcher in the same group, where she studied quality properties of hybrid meat and the interaction between muscle and plant proteins.*

**Expanding use of yeast protein by fermentation bioprocessing: techno-functional and aroma characterization**

**Dr. Yaqin Wang, University of Helsinki**

**11:10 – 11:40**

**Theme-Specific Discussion on Continuation Beyond 2024**

**12:00 – 13:00**

**Lunch, BioCity Mauno**

**13:00 – 13:40**

**Technical Session 3: Food and Health Technologies**

**Research Keynote Presentation: Plant-based supplements and functional foods for joint health**

**Professor Ali Mobasher, University of Oulu**

*Ali Mobasher is Professor of Musculoskeletal Biology in the Research Unit of Health Sciences and Technology within the Faculty of Medicine at the University of Oulu in Finland. He also holds the position of Chief Researcher and International Adviser in the State Research Institute Centre for Innovative Medicine in Vilnius, Lithuania. Ali has served as President of the Osteoarthritis Research Society International (OARSI) and currently serves on the Scientific Advisory Board of the European Society for Clinical and Economic Aspects of Osteoporosis, Osteoarthritis and Musculoskeletal Diseases (ESCEO). In addition, he hold the position of “Collaborateur Scientifique de l’Université de*



*Liège” and Senior Strategic Advisor to the World Health Organization Collaborating Center for Public Health Aspects of Musculoskeletal Health and Aging, Université de Liège, Liège, Belgium. He is a member of OARSI, the International Cartilage Regeneration & Joint Preservation Society (ICRS) and serves on the translational science committee of ICRS. He serves on the Editorial Board of Osteoarthritis and Cartilage Open (Elsevier) and Osteoarthritis Imaging (Elsevier) and several other journals.*

**Ali’s work focuses on cartilage biology, osteoarthritis, pain and biomarkers. He has published more than 400 scientific articles and has an h-index of 76 on Scopus.**

**13:40 – 14:10**

**Presentations on Research Supported by FCFH Seed Funding / Other Invited Lectures**

**New Era of Targeted Drug Delivery**

**Professor Hongbo Zhang, Åbo Akademi University**

*Dr. Hongbo Zhang has multidisciplinary background in pharmacy, biology and biomedical engineering. He graduated his PhD in University of Helsinki and then did his Postdoc in Harvard University and establish his research group in 09.2016 in Åbo Akademi University, Finland. Now he is Professor (Tenure) in Pharmaceutical Biomaterials, and he is also the director of Biomaterials and Medical Device research program. He is also Fellow of Royal Society of Chemistry. His research focus is to develop novel and effective solutions for*



*the challenging biological and clinical problems. In most of the projects, the clinical doctors are involved. The projects start from a clinical problem, and Dr. Zhang will use the functional material toolbox to assemble a therapeutical nanoparticle/microparticle/scaffold or the combination of them. He has published more than 180 papers with google citation of 12000+, H-index of 61. He is also executive editor in chief for Wiley journal Smart Medicine and depute editor of the Science Partner journal, Research.*

**Dynamic combinatorial chemistry: a sustainable technology for drug delivery against drug-resistant cancer**

**Senior Research Fellow Jianwei Li, University of Turku**

**14:10 – 14:20**

**Coffee Break**

**14:20 – 15:00**

**Presentations on Research Supported by FCFH Seed Funding / Other Invited Lectures**

**Exploring Machine Learning for Accurate Diagnosis of Multiple System Atrophy**

**Doctoral Researcher Seyed Hosseini, Turku PET Centre and University of Turku**

**Performance Analysis of Animal PET Scanners Using NEMA Standards**

**Doctoral Researcher Anting Li, Turku PET Centre and University of Turku**



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*Anting Li is a Doctoral Researcher at Turku PET Centre and University of Turku. Her research is focused on the application of machine learning in automating the medical image processing and analysis.*

**15:00 – 15:30**

**Theme-Specific Discussion on Continuation Beyond 2024**

**15:30 – 16:00**

**Summary of Theme-Specific Discussions on Continuation Beyond 2024**

**16:00**

**Closing Remarks**

**Professor Baoru Yang, University of Turku**