

会议日程 Program

November 5th, Sunday	
09:00-21:00	Registration, Hope Hotel, 500 Zhaojiabang Rd
November 6th, Monday	
08:30-08:45	Opening Address Dr. Lin Li, Dr. Junshi Chen, Dr. Yuexin Yang; Dr. Patrick Stover
08:45-08:55	Introduction of Shanghai Institutes for Biological Sciences Dr. Yan Chen (<i>Professor, SIBS, CAS, China</i>)
Session I Big cohorts, big data, and precision health <i>Chairs: Zheng-Ming Chen & Guoping Zhao</i>	
08:55-09:25	Halving premature death in China <i>(Sir Richard Peto, University of Oxford, UK)</i>
09:25-09:50	Realising the power of prospective biobanks in diverse populations <i>(Zheng-Ming Chen, Professor, University of Oxford, UK)</i>
09:50-10:15	Precision medicine research for metabolic diseases 代谢性疾病的精准医学研究 <i>(Guang Ning, Professor, Rui-Jin Hospital, Shanghai Jiao-Tong University School of Medicine, China)</i>
10:15-10:45	Group Photo and Coffee Break
10:45-11:10	Exploring the phenomes of human beings: the turning point of omics (TBD) <i>(Li Jin, Professor, Fudan University, China)</i>
11:10-11:35	Mendelian Randomization, Molecular Mediation, and Prediction for Complex Diseases in Diverse Populations program <i>(Simin Liu, Professor, Brown University School of Public Health, USA)</i>
11:35-11:50	Session I Discussion
11:50-12:30	Lunch
12:30-13:30	Poster Session
Session II Systems epidemiology approaches to metabolic health <i>Chairs: Yan Chen & Wei Zheng</i>	
13:30-13:55	Understanding Interactions among Genetic, Environmental and Physiological Factors that Influence B-Vitamins and Health <i>(Patrick Stover, Professor, Cornell University, USA)</i>
13:55-14:20	Recent advances in precision nutrition and cardiometabolic diseases <i>(Frank Hu, Professor, Harvard T. H. Chan School of Public Health, USA)</i>
14:20-14:45	Big data and precision medicine (TBD) <i>(Jiarui Wu, Professor, CAS, China)</i>
14:45-15:10	Integration of multi-omics data to identify biomarkers for cancer <i>(Wei Zheng, Professor, Vanderbilt Epidemiology Center, Nashville, USA)</i>
15:10-15:30	Coffee Break
15:30-15:55	Linking of omics-based biomarkers with nutrition and cardiometabolic health in Chinese <i>(Xu Lin, Professor, SIBS, CAS, China)</i>
15:55-16:20	Advanced metabolomics techniques and systems biology (TBD)

	<i>(Huiru Tang, Professor, Fudan University, China)</i>
16:20-16:45	How can systems approaches add value to nutrition and metabolism? <i>(Karsten Hiller, Professor, University of Braunschweig, Germany)</i>
16:45-17:10	Integrating genetic, genomic and environmental data to define the mechanistic basis of type 2 diabetes <i>(Mark McCarthy, Professor, University of Oxford, UK)</i>
17:10-17:25	Session II Discussion
November 7th, Tuesday	
Session III Personalized nutrition for disease prevention <i>Chairs: Yuexin Yang & Xiao Ou Shu</i>	
08:30-08:55	Dietary fats and dietary patterns in relation to cardiovascular disease and type 2 diabetes <i>(Frank Sacks, Professor, Harvard T. H. Chan School of Public Health, USA)</i>
09:55-09:20	Soy food consumption on breast cancer etiology and prognosis <i>(Xiao Ou Shu, Professor, Vanderbilt Epidemiology Center Institute for Medicine and Public Health, USA)</i>
09:20-09:45	The need of precision medicine research in preventing and treating diabetes 糖尿病防治中的精准医学研究需求 <i>(Linong Ji, Professor, Peking University People's Hospital, China)</i>
09:45-10:05	Coffee Break
10:05-10:30	Precision medicine in diabetes prevention and management (TBD) <i>(Weiping Jia, Professor, Shanghai 6th People's Hospital, China)</i>
10:30-10:55	The role of diet in the relationship between environmental pollutants and diabetes risk <i>(Qi Sun, Assistant Professor, Harvard T. H. Chan School of Public Health, USA)</i>
10:55-11:20	Identification of a novel biomarker of weight gain <i>(Martha Field, Senior Research Associate, Cornell University, Ithaca, USA)</i>
11:20-11:45	Databases to cells to genotypes to metabolites. Eicosanoid signaling precursors are determined by an ancient polymorphism <i>(Tom Brenna, Professor, Cornell University, USA)</i>
11:45-12:00	Session III Discussion
12:00-13:00	Lunch
Session IV Advanced technologies for omics platforms and bioinformatics <i>Chairs: Huiru Tang & Rong Zeng</i>	
13:00-13:25	A gut microbiota perspective of precision health and nutrition <i>(Xun Xu, Director, BGI-Research, China)</i>
13:25-13:50	Dietary functional non-coding RNA: the novel type of nutrient? 食物中功能性非编码 RNA: 新种类营养素? <i>(Chenyu Zhang, Professor, Nanjing University, China)</i>
13:50-14:15	Precision medicine and national infrastructure for big data (TBD) <i>(Yixue Li, Principal Investigator, The CAS-MPG Partner Institute for Computational Biology, China)</i>
14:15-14:40	Systems Integration of Multi-omics to Evaluate Metabolic Status <i>(Rong Zeng, Principal Investigator, CAS, China)</i>

14:40-15:05	Revealing dark matter in gene expression by big-data (single-sample network) <i>(Luonan Chen, Principal Investigator, CAS, China)</i>
15:05-15:20	Session IV Discussion
15:20-15:40	Coffee Break
Session V Precision nutrition: from research to application and policies <i>Chairs: Baukje de Roos</i>	
15:40-16:05	Launching ceremony of 2017 nutrition science foundation of By-Health
16:05-16:25	Precision nutrition and product development (TBD) <i>(Xuguang Zhang, Director of Science and Technology Centre, By-Health Co. Ltd, China)</i>
16:25-16:45	Personalized interventions – a precision approach for the next generation of dietary intervention studies <i>(Baukje de Roos, Professor, University of Aberdeen, UK)</i>
16:45-17:05	Phenotypic flexibility and diet-related health (TBD) <i>(Ben Van Ommen, Principal Scientist, Netherlands Organisation for applied scientific research TNO, Netherlands)</i>
17:05-17:25	Precision medicine in pharma solutions (TBD) <i>(Michael de Marco, the Global Head Research & Development Human Nutrition and Pharma Solutions, BASF SE)</i>
17:25-17:50	Founding ceremony of alliance of precision nutrition: research and application
17:50-18:00	Closing remarks Dr. Yan Chen <i>(Professor, SIBS, CAS, China)</i>