

Wednesday, July 14th

Registration 14:00-18:00 Bldg 1#, Zhongguanyuan Global Village PKU (中关村新园 1 号楼大厅)

Thursday, July 15th – Bldg 1#, Zhongguanyuan Global Village PKU (中关村新园 1 号楼群英厅)

Registration 7:20-8:20 Bldg 1#, Zhongguanyuan Global Village PKU (群英厅)

8:30-8:40	Opening remarks by Chao Tang (Chair: Jing-Dong Jackie Han & Hao Li)	
Session I (Chair: Hao Li)		
8:40-9:20	Saul Villeda University of California, San Francisco, USA	Systemic Mechanisms of Brain Rejuvenation
9:20-9:45	Vadim Gladyshev Harvard Institutes of Medicine, USA	Quantifying Aging and Rejuvenation
9:45-10:10	Matt Kaeberlein University of Washington, USA	The Dog Aging Project
10:10-10:50	Group Photo & Tea Break	
Session II (Chair: Matt Kaeberlein)		
10:50-11:15	Hao Li University of California, San Francisco, USA	Single Cell Aging from a Dynamic System's Perspective
11:15-11:40	Cunyu Wang University of California, Los Angeles, USA	Epigenetic Control of Bone-Fat Imbalance and Mesenchymal Stem Cell Exhaustion in Skeletal Aging
11:40-12:05	Yu Sun Shanghai Institute of Nutrition and Health, CAS, China	Epigenomic remodeling by KDM4 potentiates the senescence-associated secretory phenotype
12:05-13:30	Lunch	
Session III (Chair: Yu Sun)		
13:30-13:55	Weiguo Zou Center for Excellence in Molecular Cell Science, CAS, China	Conditional aging mice to study orthopedic aging diseases
13:55-14:20	Seung-Jae Lee Korea Advanced Institute of Science and Technology, South Korea	Promotion of healthy longevity using molecular genetics in <i>Caenorhabditis elegans</i>
14:20-14:45	Jing-Dong Jackie Han Peking University, China	Heterogeneity of Human Aging
14:45-15:10	Ping Hu Max Plank Center for Tissue Stem Cell and Regenerative Medicine, China	Human muscle stem cells are bi-potent adult stem cells
15:10-15:35	Tea Break	
Session IV (Chair: Seung-Jae Lee)		
15:35-15:45	Qian Gao Shanxi Medical University, China	Investigating the dose response relationship between DNA methylation age acceleration and risk of Alzheimer's disease
15:45-15:55	Qi Liu Peking University, China	Niche refreshment rejuvenates chronologically aged quiescent fission yeast cells
15:55-16:20	Xianwen Ren Peking University, China	Single-cell RNA-seq reveals new mechanisms of host immune responses against SARS-CoV-2 infection
16:20-16:45	Evandro Fang University of Oslo, Norway	Targeting on the NAD ⁺ -mitophagy axis for Alzheimer's disease and healthy
16:45-17:10	Sara Hagg Karolinska Institute, Sweden	Human biological aging: quantifications, health predictions and interventions
17:10 -18:20	Poster session	
18:20	Reception - Shiguang Cafeteria, Zhongguanyuan Global Village (中关村新园 1 号楼时光咖啡厅)	

Friday, July 16th – Bldg 1#, Zhongguanyuan Global Village PKU (中关村 1 号楼群英厅)

Session V (Chair: Brian Kennedy)		
8:30-9:10	Vera Gorbanova University of Rochester, USA	SIRT6 function in longevity and rejuvenation
9:10-9:35	Yousin Suh Columbia University Irving Medical Center, USA	<i>Targeting Healthspan</i> : Functional Genetic Variation in Human Aging and Longevity
9:35-10:00	Peter Adams Burnham Institute, USA	Cytoplasmic Chromatin Fragments in Senescent Cells – from Mechanisms to Healthy Aging Interventions
10:00-10:25	Danica Chen University of California, Berkeley, USA	Mitochondrial Metabolic Checkpoint, Stem Cell Aging and Rejuvenation
10:25-10:50	Tea Break	
Session VI (Chair: Danica Chen)		
10:50-11:15	Brian Kennedy National University of Singapore, Singapore	Translating Aging Discoveries to Delay Human Aging and Extend Healthspan
11:15-11:40	Nan Hao University of California, San Diego, USA	Divergent trajectories of single-cell aging
11:40-11:50	Ruihuan Yu Laurentian University, Canada	Investigate the regulatory roles of H ₂ S in lipid overload-induced lipotoxicity and cardiac cell senescence
11:50-12:00	Dong-sheng Di Huazhong University of Science and Technology, China	Life-course effects of birth weight on bone mineral density: evidence from observational and MR studies
12:05-13:30	Lunch	
Session VII (Chair: Jing Qu)		
13:30-13:55	Alex Zhavoronkov Insilico Medicine Hong Kong Ltd, Hong Kong, China	Deep biomarkers of aging: what can we learn about human psychological aging?
13:55-14:20	Qiangfeng Zhang Tsinghua University, China	RNA structure systems biology powered by big data and machine intelligence
14:20-14:45	Weiqi Zhang Beijing Institute of Genomics, CAS, China	Dissection of Aging Intervention at the Single-Cell Resolution
14:45-15:10	Baohua Liu Shenzhen University, China	Organ talks and systemic aging
15:10-15:35	Tea Break	
Session VIII (Chair: Jing-Dong Jackie Han)		
15:35-16:00	Karsten Kristiansen University of Copenhagen, Denmark	TBD
16:00-16:25	Cheng Li Peking University, China	3D genome organization and gene transcription in aneuploid embryonic stem cells
16:25-16:50	Jing Qu Institute of Zoology, CAS, China	Single-cell transcriptional landscape of primate aging
16:50-17:20	Poster Award & Closing Chair: Jing-Dong Jackie Han & Hao Li	