

2019 单细胞组学国际研讨会

Single Cell Omics Beijing 2019 Symposium

2019单细胞组学国际研讨会日程

2019年10月19-20日
北京大学秋林报告厅

2019年10月19日 星期六		
07:00-08:30	报到	地点: 秋林报告厅
09:00-09:05	主席致欢迎辞	谢晓亮教授
议题1 单细胞表观基因组及基因组三维结构		主持人: 黄岩谊教授
09:05-09:35	Decoding the Gene Regulation Network in Human Germline Cells by Single-cell Functional Genomics Approaches	汤富酬教授
09:35-10:05	A Single Cell Framework for Multi-omic Analysis of Disease Identifies Malignant Regulatory Signatures	William Greenleaf教授
10:05-10:35	Decoding Functional Human Genome with Transcription Factor Colocalization (TFC) and Corelated Gene Modules (CGM)	谢晓亮教授
议题2 单细胞转录组学		主持人: 汤富酬教授
11:00-11:30	Spatial Genomics: In Situ Transcriptome Profiling by RNA seqFISH+	Long Cai教授
11:30-12:00	Health Care from the Start of Life: Applications of Single Cell Omics Sequencing	乔杰教授
13:30-14:00	Comprehensive Single Cell Transcriptome Lineages in A Proto-Vertebrate	Michael Levine教授
14:00-14:30	A Human Cell Landscape for Cell Type Identification at the Single-Cell Level	郭国骥教授
议题3 单细胞组学新技术		主持人: 谢晓亮教授
14:30-15:00	Single Cell Approaches in Studying Genome Instability in Aging and Cancer	Jan Vijg教授
15:00-15:30	Whole-Genome Detection of Dynamic DNA Damage in Single Human Cells	宗诚航教授
16:00-16:30	Characterization of Primary Sequences and 3D Structures of Single-cell Genomes	邢栋研究员
议题4 单细胞组学应用于免疫学		主持人: 张泽民教授
16:30-17:00	Decoding the Developing Human Immune System	Muzlifah Haniffa教授
17:00-17:30	Single Cell Analysis of Paediatric-onset Colitis and Inflammatory Bowel Disease Reveals Common Pathogenesis and A Novel Treatment	白凡研究员

2019年10月20日 星期日

议题5 单细胞基因组学		主持人: 汤富酬教授
09:00-09:30	Highly Accurate DNA Sequencing: Error Correction Code and Beyond	黄岩谊教授
09:30-10:00	Identifying and Rationally Modulating Cellular Drivers of Enhanced and Diminished Immunity	Alex K. Shalek教授
10:00-10:30	Technology development for single-cell RNA-seq	王建斌研究员
议题6 单细胞组学应用于癌症		主持人: 黄岩谊教授
11:00-11:30	Application of Novel Single Cell Bioinformatics Methods in Cancer Immunology	张泽民教授
11:30-12:00	Single-cell Transcriptomics Profiling of Esophageal Squamous Cell Carcinoma	吴晨教授
议题7 单细胞组学应用于神经科学		主持人: 张泽民教授
13:30-14:00	Spatial and Temporal Regulation of Human Cortex Development Revealed by Single-cell RNA-Seq Analysis	王晓群研究员
14:00-14:30	Integration of Single Cell and Spatially Resolved Methods in the Study of Neurodegenerative Disease Mechanisms	Silas Maniatis博士
议题8 单细胞生物信息学		主持人: 张泽民教授
14:30-15:00	On the Information Content and Representation of Human Cells	张学工教授
15:00-15:30	Cell BLAST and Beyond	高歌研究员
议题9 单细胞蛋白质组学		主持人: 谢晓亮教授
16:00-16:30	High-Throughput Single-cell Proteomics Quantifies the Emergence of Macrophage Heterogeneity	Nikolai Slavov教授
16:30-17:00	Single Cell Proteomic Analysis Using PASEF	黄超兰教授
17:00-17:30	Probing Principles in Gene Regulation and Cell Fate Specification Using Single-cell ChIP-seq	何爱彬研究员