The 5th International Symposium on Data Driven Health and Medicine and 2019 OHDSI China Annual Symposium
第五届数据驱动健康医学国际研讨会
暨 2019 年 OHDSI 中国年会

June 27-29 2019
Shanghai Jiaotong University, Xuhui Campus
Haoran Building, Rm 102, Rm 306
https://ohdsichina.org/2019

Agenda

6/27 Thursday	
8:30-9:00 Opening Session (Room 102)	
8:30-8:35 Opening Remark	
8:35-8:50: Center Review and Outlook	
8:50-9:00: Biomedical Data Science Presentation	
9:00-10:30 Planetary Session (Room 102)	
9:00-9:45am Keynote	Xihong Lin, Member of National Academy of Medicine Professor and Former Chair, Department of Biostatistics; Coordinating Director of the Program in Quantitative Genomics, Harvard T. H. Chan School of Public Health Empower Scalable Analysis of Large-Scale Whole Genome Sequencing Studies of Common Diseases
9:45-10:30am Keynote	Rae Woong Park, MD, PhD Director and Professor, Ajou University School of Medicine FEEDERNET: Evolution of Distributed Research Network in Korea
10:30 – 10:45am Tea Break，Photo	

Parallel Session				
Session I: Genetic Variation and Disease, Chair: Tao Wang （Room 102）		**Session II: Vision on Big Data, Chair: Hua Xu (Room 306)**		
10:45-11:10	Hongyu Zhao, Ph.D. Ira V. Hiscock Professor and Chair, Department of Biostatistics, Yale University Genetic Risk Prediction		10:45 – 11:10	Limin Wang MD Professor and Director, Division of Surveillance，National Center for Chronic and Non Communicable Diseases Control and Prevention， China CDC 慢性病流行病学大数据发展现状与思考
11:10-11:35	Gang Chen, Ph.D. Co-Founder and CEO, WeGene Integration of DTC Testing and Cohort Study for Population Genomics at WeGene		11:10 – 11:35	Hongfang Liu, PhD Professor and Division Chief, Mayo Clinic Accelerate digital medicine by advancing informatics and analytics for clinical excellence
11:35-12:00	Mengchun Gong, Ph.D. Senior Vice President, Digital China Health and Peking Union Medical College High-throughput Phenotyping and Clinical Phenome Construction in China		11:35 – 12:00	Jingsong Li, PhD Professor, Zhejiang University Constructing a healthcare Big Data platform in Zhejiang – the Zhijiang Project 浙江实验室项目 – 浙江医疗大数据平台建设
12:00 – 1:15pm Lunch				
Session I: Single Cell Analysis. Chair: Jian Zhang （Room 102）		**Session II: OHDSI CDM, ETL, and related tools, Chair: Mui Van Zandt (Room 306)**		
1:15-2:00	Xuegong Zhang 清华大学自动化系教授、生命学院与医学院兼职教授		1:15-1:40	Christian Reich, MD, PhD OHDSI co-founder, VP Real World Analytics Solutions, IQVIA

	北京信息科学与技术国家研究中心生物信息学研究部主任 人类细胞图谱 HCA 计划中的若干生物信息学问题/Some bioinformatics challenges in the Human Cell Atlas project		Global multicenter research in the OHDSI research network
2:00-2:25	Yingying Wei, Ph.D. 香港中文大学统计系助理教授 Flexible Experimental Designs for Valid Single-cell RNA-sequencing Experiments Allowing Batch Effects Correction	1:40-2:05	Hui Lu, PhD Professor and Department Chair, Shanghai Jiaotong University Combining phenotype and genotype for genetic diseases analysis
2:25-2:50	Zhixiang Lin, Ph.D. Assistant Professor of Statistics, the Chinese University of Hong Kong Jointly modeling chromatin accessibility and gene expression data with application to single cell genomics	2:05-2:30	Na Hong, PhD GM of DCHealth Technologies Inc. Converting Lung Cancer Big Data of China to the OHDSI Common Data Model 中国肺癌大数据到 OHDSI 通用数据模型的转化
2:50-3:15	Xin Zou, Ph.D. SJTU Institute of Systems Medicine Noise Reduction Algorithms for Single-cell RNA-seq data interpretation	2:30-2:55	Buzhou Tang Associate Professor, Harbin Institute of Technology NLP for healthcare – are we ready for practice? 医疗自然语言处理 – 我们准备好了吗？
		2:55-3:20	Hua Xu, PhD Professor, The University of Texas Health Science Center at Houston Atlas in Chinese 开源科研分析平台 Atlas 中文版介绍

3:20 – 3:40pm Tea Break			
Session I: Brain Signal Analysis. Chair: Xingming Zhao（Room 102）		**Session II: Use Cases #1. Chair: Buzhou Tang（Room 306）**	
3:40-4:25	Jianfeng Feng, Ph.D. Professor, Centre for Scientific Computing and Computer Science, Warwick University; Professor and Director, Institute of Science and Technology for Brain Inspired Intelligence, Fudan University Computational Psychiatry: Depression and Addiction	3:40-4:05	Yi Zhou, PhD Associate Professor, Sun Yat-sen University Deep learning-based predictive modeling of seizure based on EEG data 基于深度学习的癫痫脑电发作预警研究
4:25-4:50	Yaohui Jin, Ph.D. Professor, School of Electronic, Information, and Electrical Engineering, SJTU Data Warehouse for Brain Project	4:05-4:30	Haoyan Cai, MS Medical Director, SmindU Inc. Big Data practice in the psychiatry field in China 精神医学大数据中国实践
4:50-5:15	Yao Li, Ph.D. Professor School of Biomedical Engineering, SJTU Towards unraveling the structural, functional and molecular fingerprints of brain function and disorders	4:30-4:55	Li Wang, PhD Associate Professor, Nantong University Multi-site analysis of drug uses based on NCCD – a case study of systemic lupus erythematosus 基于 NCCD 的多中心大规模患者临床药物分析-以系统性红斑狼疮为例
5:15-5:40	Ying Zhu, Ph.D PI, State Key Laboratory of Medical Neurobiology, Fudan University Wired to be Human: Insights from transcriptome analysis	4:55-5:20	Xin Zhang, PhD Senior Engineer, Jiangsu Province Hospital, Nanjing Medical University

			Application and practice of OHDSI-based clinical studies in China 基于 OHDSI 的医疗研究应用实践
		5:30– 6:30pm OHDSI China Committee Meeting (Closed session, by invitation only)	

6/28 Friday

Parallel Session:

Session I: Keynote （Room 102）Chair：Zhangsheng Yu		Session II: OHDSI Data Analysis. Chair: Na Hong（Room 306）	
9:00-9:45	Jianqing Fan, Ph.D. Frederick L. Moore'18 Professor, Princeton University; Communication-Efficient Accurate Statistical Estimation	8:30-8:55	Fei Wang, PhD Associate Professor, Cornell University Analytics with Healthcare Data Big and Small
		8:55-9:20	Lei Liu, PhD Professor, Fudan University Knowledge graph-based clinical decision support systems 基于知识图谱的临床决策支持
9:45-10:30	Jian Yang, Ph.D. Professor of Statistical Genomics， The University of Queensland (UQ); Head, Institute for Advanced Research, Wen Zhou Medical University Deciphering the Genetic Architecture of Human Complex Traits	9:20-9:45	Yong Chen, PhD Associate Professor, University of Pennsylvania A Communication Efficient Distributed Algorithm for Regression Analyses with Rare Events
		9:45-10:10	Hua Zhong, PhD Associate Professor, New York University Cardiovascular disease prediction for diabetic patients from longitudinal electronic health record data

				10:10-10:30	Lixia Yao, PhD Assistant Professor, Mayo Clinic Extracting Kinship From Obituary to Enhance Electronic Medical Records for Genetic Research
10:30-10:50am Tea Break					
Session I: Biostatistics Methodology: Chair: Hanzhu Qian （Room 102）				**Session II: Use Cases #2. Chair: Mengchun Gong（Room 306）**	
10:50-11:15	Minghua Deng, Ph.D. Professor, School of Mathematical Sciences, Peking University Expectation pooling: An effective and interpretable pooling method for predicting DNA-protein binding			10:50-11:15	Yuxi Li, MD Attending Physician, The first affiliated hospital of Peking University Facilitating clinical research using EHRs: development and practice of a cardiovascular CDR 电子病历数据助力临床研究：心血管专科 CDR 的建设与实践
11:15-11:40	Tao Wang, Ph.D. PI, Department of Bioinformatics and Biostatistics, Shanghai Jiao Tong University An adaptive independence test for microbiome community data			11:15-11:40	Sheng Nie, MD Attending Physician, Nanfang Hospital, National Clinical Research Center for Kidney Disease Clinical research for kidney disease – from traditional epidemiology studies to big data platforms 从肾脏病人群流行病研究到大数据平台的建立
11:40-12:05	Emma Zhang, Ph.D. Assistant Professor, Management Science, University of Miami Network Response Regression for Modeling Population of Networks with Covariates			11:40-12:05	Qiong Wang, MS 副科长，高级工程师, The third affiliated hospital of Guangzhou Medical University 医院数据平台的建设与应用
12:05-12:30	傅博 Professor, School of Data Science, Fudan University Causal analysis of administrative data			12:05-12:30	Qin Ye, MD Associate Principal, ZS Associate

			Real world data and artificial intelligence – introduction to use cases
12:30 – 2:00pm Lunch			
Session I: Data analysis pipeline for precision Medicine (I)（Room 102）Chair: Hui Lu		**Session II: OHDSI proposal pitch (Room 306) & SNOMED Session（Room 305）**	
2:00 - 3:40pm	李亦学 研究员，中科院生物医学大数据中心主任 中国生物医学大数据体系	2:00 - 5:00pm	Mui Van Zandt, MS Director, IQVIA OHDSI proposal pitch
	赵兴明 教授 复旦大学 Identifying new indications of old drugs with integrative analysis of omics data	2:00 - 5:00pm	Liara Tutina Customer Relations Executive Asia and Pacific "Introduction to SNOMED" (The organization, the community and the terminology)
	李淼新 教授中山大学 A powerful method for estimation of cancer-driver genes using a weighted iterative regression modelling background mutation count，		Linda Bird Head of Education and Product Support SNOMED CT Education and Data Analytics
	李敏 副院长，教授 中南大学 Deep learning for proteomics, bioinformatics, and medicine		Zhi Wang, MD Chief Terminologist & Director of DCHealth Technologies Inc. SNOMED CT 在中国落地情况
Session I: Data analysis pipeline for precision Medicine (II)(Room 102), Chair: Min Li			
3:50 – 5:30	阮彤 教授，所长 华东理工大学 基于自然语言问答的临床数据分析		
	刘博 副教授 哈尔滨工业大学 中国人群多组学参比数据库与分析系统建设		
	金博		

	教授 大连理工大学 面向生物医药知识库的路径推理研究
	杨旸 副教授上海交通大学 基于空间表达数据的基因调控网络构建

6/29 Saturday

OHDSI Tutorial (Room 306)

9am – 5pm	Mui Van Zandt, MS Director, IQVIA
	Christian Reich, MD, PhD OHDSI co-founder, VP Real World Analytics Solutions, IQVIA
	Lingyi Tang, MS
	Hua Xu, PhD Professor, The University of Texas Health Science Center at Houston