

## NatureConference: Genome Variation in Precision Medicine 2018

### Scientific Program

Friday, May 25	
<b>8:00 – 1:30 pm</b>	<b>Registration (Chengdu Century City International Convention Center)</b>
<b>1:30 – 2:00 pm</b>	Opening ceremony
Session 1: Genetics in reproductive medicine	
<b>Chair</b>	Rosalind John, Liu Mo-Fang
<b>2:00 – 2:30 pm</b>	Introduction of Chengdu Tianfu International Bio-Town Investment Environment
<b>2:30 – 3:15 pm</b>	<b>Keynote</b> Speaker: Qi Zhou, IOZ CAS, Beijing, CN Title:
<b>3:15 – 4:00 pm</b>	<b>Keynote</b> Speaker: Hefeng Huang, Shanghai JiaoTong Univ, CN Title: The clinical strategy of precision treatment for hereditary birth defect
<b>4:00 – 4:20 pm</b>	<b>Coffee Break</b>
<b>4:20 – 4:40 pm</b>	Speaker: Zijiang Chen, Shandong Univ, CN Title: Early Intervention of Birth Defects
<b>4:40 – 5:00 pm</b>	Speaker: Rosalind John, U Cardiff UK Title:
<b>5:00 – 5:20 pm</b>	Speaker: Ying Zhang, IOZ CAS, Beijing, CN Title: Dnmt2 mediates intergenerational transmission of paternally acquired metabolic disorders through sperm small non-coding RNAs
<b>5:20 – 6:20 pm</b>	<b>Roundtable Discussion</b>
<b>6:20 pm</b>	<b>Reception and Welcome Dinner</b>
Saturday, May26	
Session 2: Genetics of the senses - (Eye and ear)	
<b>Chair</b>	Jianjun Liu, Chiea Chuen Khor
<b>8:00 – 8:45 am</b>	<b>Keynote</b> Speaker: Jeremy Nathans, Johns Hopkins, US Title: Development and function of sensory organs

<b>8:45 – 9:30 am</b>	<b>Keynote</b> Speaker: Kang Zhang, UCSD, US Title:
<b>9:30 – 9:50 am</b>	Speaker: Zhenglin Yang, Univ. of Electronic Sci. and Tech., CN Title:
<b>9:50 – 10:10 am</b>	<b>Coffee Break</b>
<b>10:10 – 10:30 am</b>	Speaker: Moien Kanaan, Bethlehem University, PS Title: Clinical exomes and genetic heterogeneity in the Palestinian population
<b>10:30-10:50 am</b>	Speaker: Chiea Chuen Khor, Singapore Title: Understanding the human genetic basis of glaucoma using genome-wide approaches
<b>10:50-11:10 am</b>	Speaker: Anneke I. den Hollander, Radboud University Medical Center, NL Title: AGE-RELATED MACULAR DEGENERATION: ADVANCES TOWARDS PRECISION MEDICINE
<b>11:10-12:10 pm</b>	Speaker: Zibin Jin, Wenzhou Univ. Title: de novo mutation in ocular diseases
<b>12:10 – 1:00 pm</b>	<b>Roundtable Discussion</b>
<b>1:00 - 2:00 pm</b>	<b>Lunch Seminar: TBD</b>
<b>Session 3: Functional genomics and epigenomics</b>	
<b>Chair</b>	Xuejun Zhang, Xue Zhang
<b>2:00 – 2:45 pm</b>	<b>Keynote</b> Speaker: Nancy Cox, Vanderbilt Univ. US Title:
<b>2:45 – 3:30 pm</b>	<b>Keynote</b> Speaker: Guoliang Xu, CAS, Shanghai, CN Title:
<b>3:30 – 4:15 pm</b>	<b>Keynote</b> Speaker: Xiaoliang Sunney Xie, PKU, CN Title:
<b>4:15 – 4:30 pm</b>	<b>Coffee Break</b>
<b>4:30 – 4:50 pm</b>	Speaker: Ryan Lister, UWA, AUS Title:
<b>4:50 – 5:10 pm</b>	Speaker: Wei Xie , Tsinghua Univ., CN Title:

<b>5:10 – 5:30 pm</b>	Speaker: Liu Mo-Fang, Fudan University and SIBS CAS,CN Title: Piwi, a new disease factor in human male infertility?
<b>5:30 – 6:30 pm</b>	<b>Roundtable Discussion</b>
<b>6:30 pm</b>	<b>Dinner Seminar: TBD</b>
<b>Sunday, May27</b>	
<b>Session 4: Patient-centered research on healthcare data (workshop)</b>	
<b>Chair</b>	Myles Axton, Wei Li ( <i>Nature Genetics</i> )
<b>8:00 – 8:45 am</b>	<b>Keynote</b> Speaker: Danielle Posthuma, VU Amsterdam, NL Title: From GWAS to function: recent findings for cognitive and psychiatric traits
<b>8:45 – 9:05 am</b>	Speaker: Kristina Hettne, Leiden U Med Ctr, NL Title: CREATION OF MULTI-OMIC BIOMARKER SIGNATURES FOR OBJECTIVE MONITORING OF PATIENT CONDITION AND RESPONSE TO TREATMENT
<b>9:05 –9:25 am</b>	Speaker: Yang Luo Title:
<b>9:25 –9:50 am</b>	<b>Coffee Break</b>
<b>9:50 – 10:50 am</b>	<b>Roundtable Discussion</b>
<b>10:50 – 11:50 pm</b>	Myles Axton, <i>Nature Genetics</i> , USA Title: Editorial Perspective of Nature Genetics