

PROGRAMME	
Friday, Oct. 25, 2019	
09:00-22:00	REGISTRATION
08:30-17:00	PRE-CONGRESS HANDS-ON TRAINING COURSE Non-Invasive chromosome screening and automatic data analysis
18:00-20:00	ISRG ORGANIZING COMMITTEE MEETING
Saturday, Oct. 26, 2019	
2F Ballroom A&B	
08:00-09:00	OPENING CEREMONY Chaired by Jie Qiao and Xiaoliang Sunney Xie
KEYNOTE LECTURE Chaired by Guanglun Zhuang and Guian Chen	
09:00-09:35	Dennis Lo: NIPT and other liquid biopsies: fragments, circles and beyond
09:35-10:10	Carlos Simon: The endometrial factor: A new frontier in reproductive medicine
10:10-10:40	INDUSTRIAL EXHIBITION: How to Optimize COS for HOR
10:40-12:20	PLENARY SESSION 1 Chaired by: Lin He and Shangwei Li
10:40-11:05	Xiaoliang Sunney Xie: Toward non-invasive PGT-A and PGT-M
11:05-11:30	Jie Qiao: Genetics, epigenetics and diagnosis of human pre-implantation embryos
11:30-11:55	Lei Wang: Genetics of abnormality in human oocyte maturation, fertilization and embryonic development
11:55-12:20	Joris Vermeesch: Incidental finding of cancer following NIPT
12:20-12:50	INDUSTRIAL EXHIBITION: GnRH Antagonist Clinical Application
12:50-13:30	LUNCH BREAK
PARALLEL SESSIONS 1&2 2F Ballroom A	
13:30-15:10	PARALLEL SESSION 1: Preimplantation Genetic Testing Chaired by: Meisong Lu and Shuyu Wang
13:30-13:55	Hefeng Huang: Gamete origin of diabetes
13:55-14:20	Sijia Lu: Technical developments and clinical applications of non-invasive embryo testing
14:20-14:45	Carmen Rubio: Non-invasive PGT-A —ready or not?
14:45-15:10	Kangpu Xu: PGT: Invasive, non-invasive and beyond
15:10-15:40	INDUSTRIAL EXHIBITION: Is There a New Gold Standard in Luteal Phase

	Support?
15:40-17:20	PARALLEL SESSION 2: Preimplantation Genetics Chaired by: Rong Li and Lei Huang
15:40-16:05	Zijiang Chen: Genetics progress in ovulatory disorders
16:05-16:30	Qiang Sun: Establishment of non-human primate animal models
16:30-16:55	Elia Gallardo: Mutational processes shaping the genome in early human embryos
16:55-17:20	Ge Lin: CNV in preimplantation embryos
PARALLEL SESSIONS 3&4	
13:30-15:10	PARALLEL SESSION 3: NIPT Chaired by: Fan Jin and Yimin Zhu
13:30-13:55	Lyn Chitty: NIPD for monogenic disorders
13:55-14:20	Erik Sistermans: The Dutch TRIDENT studies: implementing genome wide NIPT as part of a national prenatal screening program
14:20-14:45	Shashikant Kulkarni: PreSeek: NIPT for de novo variants
14:45-15:10	Yiping Shen: Principles of pathogenicity assessment and reporting of genomic variants in reproductive genetics
15:10-15:40	INDUSTRIAL EXHIBITION: Endometrium Preparation and LPS for Frozen Embryo
15:40-17:25	ORAL ABSTRACT SESSION Chaired by: Weiping Qian and Beihong Zheng
15:40-15:55	Fung Cheung Judy Chow: High resolution breakpoint mapping for reciprocal translocations using nanopore sequencing and selective transfer of euploid noncarrier embryos in PGT-SR cycles
15:55-16:10	Chan Tian: Evidence of compliance with and effectiveness of a current guideline for noninvasive prenatal testing in China: a retrospective study of 189,809 cases
16:10-16:25	Tahir Muhammad: RNA-binding protein IGF2BP2 IMP2 is a critical maternal activator in early zygotic genome activation
16:25-16:40	Xiaoqing Ni: Novel homozygous mutations in WDR19 induce disorganization of microtubules in sperm flagellum and cause asthenoteratospermia in human
16:40-16:55	Sunanta Nabu: The comparison of two methods for detecting Southeast Asian deletion (alphathalassemia) in pre-implantation genetic testing for monogenic disease
16:55-17:10	Ziyun Yi: PKC β 1 regulates meiotic cell cycle in mouse oocyte
17:10-17:25	Shuo Zhang: The establishment and application of preimplantation genetic haplotyping (PGH) in embryo diagnosis for reciprocal and Robertsonian translocation carriers
Sunday, Oct. 27, 2019	
07:30-08:30	POSTER SESSIONS 2F Poster Exhibit Area

2F Ballroom A&B

08:30-10:10 PLENARY SESSION 2

Chaired by: **Ping Liu** and **Lei Jin**

08:30-08:55 **Yanping Kuang:** Recent advances in fertilization failure

08:55-09:20 **Nathan Treff:** Expanded preimplantation genetic testing: polygenic disease risk

09:20-09:45 **Ming Lei:** Telomere plays an important role in spermatogenesis

09:45-10:10 **Johan Smits:** Non-invasive oocyte quality evaluation by cumulus testing

10:10-10:40 INDUSTRIAL EXHIBITION: LH Addition Benefits

10:40-12:20 PLENARY SESSION 3

Chaired by: **Xueqing Wu** and **Liyang Yan**

10:40-11:05 **Zhihong Yang:** Selection of single blastocysts for transfer via NGS and time-lapse to reduce multiple pregnancies

11:05-11:30 **Jason Franasiak:** Clinical Validation and Application of PGT-A Enhances Outcomes and Eliminates Polyzygotic Multiple Gestation

11:30-11:55 **Yanwen Xu:** Role of aneuploidy screening in preimplantation genetic testing for monogenetic disease

11:55-12:20 **Karen Sage:** Genomics counseling for assisted reproduction

12:20-13:30 LUNCH BREAK

13:30-15:10 PLENARY SESSION 4

Chaired by: **Yunxia Cao** and **Junjiu Huang**

13:30-13:55 **Fuchou Tang:** Decoding gene regulation network in human germline cells by single-cell functional genomics approaches

13:55-14:20 **Wei Xie:** Chromatin reprogramming during mammalian gametogenesis and early development

14:20-14:45 **Yuanqing Yao:** Evidence based preimplantation genetic test of aneuploidy

14:45-15:10 **Taosheng Huang:** Mitochondria and reproductive medicine

15:10-17:00 PLENARY SESSION 5

Chaired by: **Jiayin Liu** and **Xiaoyan Liang**

15:10-15:35 **Luca Gianaroli:** Blastocoelic fluid for PGT-A

15:35-16:00 **Dongzi Yang:** Recent advances in genetic reproductive endocrine disorders

16:00-16:25 **Ling Chi:** The origin of mosaic embryos

16:25-16:50 **David Cram:** PGDIS position statement on transfer of mosaic embryos

16:50-17:00 ISRG Awards For The Best Oral And Poster Presentation

17:00-20:00 ISRG Board/ Executives Committee Meeting