

## ART 2019

Thursday, October 10, 2019

**08:30 AM-9:00 AM Welcome Coffee & Breakfast****09:00 AM-10:10 AM Session 1: Cryopreservation - What does the future hold?**  
**Chairs: Milton Leong, Hong Kong & John Zhang, USA**

09:00 AM-09:10 AM Opening remarks

John Zhang, USA, Congress Chairman

09:10 AM-09:40 AM Oocyte and embryo cryopreservation - A critical view  
Ana Cobo, Spain09:40 AM-10:10 AM Automated and semi-automated vitrification and rewarming  
Pasquale Patrizio, USA10:10 AM-10:40 AM *Coffee break, poster viewing and visit the exhibition area***10:40 AM-12:10 PM Session 2: Improving pregnancy rates – The endometrium, ovary and embryo****Chairs: Pasquale Patrizio, USA & Zeev Shoham, Israel**

10:40 AM-11:10 AM Awakening follicles in POI women

Antonio Pellicer, Spain

11:10 AM-11:40 PM Endometrial microbiome, a new piece in endometrial factor infertility

Carlos Simon, Spain

11:40 PM-12:10 PM The assessment of embryo ploidy using time-lapse imaging system and conventional morphological grading  
Keiichi Kato, Japan

ART 2019 Special Lecture:

Presenting Erica, an artificial intelligence clinical assistant for embryo ranking

Alejandra Chavez Badiola, New Hope Fertility Center Mexico

12:10 PM-01:00 PM Deep Machine learning in management of clinical IVF cases

Yu Cao, AIVF

John Zhang, New Hope Fertility Center New York

01:00 PM-01:30 PM *Lunch break, poster viewing and visit the exhibition area***01:30 PM-03:00 PM Session 3: New technologies in reproductive medicine****Chairs: Avner Hershlag, USA & Antonio Pellicer, Spain**

01:30 PM-02:00 PM Nuclear transfer and human egg reconstruction: Clinical update

John Zhang, USA

02:00 PM-02:30 PM Printing a 3D ovary

Monica Laronda, USA

02:30 PM-03:00 PM What causes genomic instability during early embryo development

David Keefe, USA

03:00 PM-03:30 PM *Coffee break, poster viewing and visit the exhibition area***03:30 PM-05:00 PM Session 4: Sperm and egg****Chairs: Sherman Silber, USA & Carlos Simon, Spain**

03:30 PM-04:00 PM The Role of sperm in facilitation of fertilization

Gerald Schatten, USA

04:00 PM-04:30 PM Making sperm from skin cells

Sherman Silber, USA

04:30 PM-05:00 PM Clinical application of spindle nuclear transfer on poor embryo development

Nuno Costa-Borges, Spain

Friday, October 11, 2019

**9:00 AM-10:30 AM Session 5: Supporting IVF****Chairs: Norbert Gleicher, USA & Valery Zukin, Ukraine**

9:00 AM-09:30 AM What is new in genetic screening and diagnosis

Avner Hershlag, USA

9:30 AM-10:00 AM Racial difference in ART success?

Milton Leong, Hong Kong

10:00 AM-10:30 AM Support of the luteal phase - What is the evidence

Zeev Shoham, Israel

10:30 AM-11:00 AM *Coffee break, poster viewing and visit the exhibition area***11:00 AM-12:30 PM Session 6: New insights into IVF****Chairs: Robert Fischer, Germany & David Keefe, USA**

11:00 AM-11:30 AM Stimulation strategies for the poor responder

William Schoolcraft, USA

11:30 AM-12:00 PM Practice of IVF according to the published (and unpublished) literature: The advantages and disadvantages of trophectoderm biopsy, NGS technology and frozen embryo transfer

James Grifo, USA

12:00 PM-12:30 PM From IVF to germline gene editing: Ethical challenges

Vardit Ravitsky, Canada

12:30 PM-01:15 PM *Lunch break, poster viewing and visit the exhibition area***01:15 PM-03:15 PM Session 7: The future of IVF****Chairs: Tommaso Falcone, USA & Zeev Shoham, Israel**

01:15 PM-01:45 PM The future of IVF - Can we be better?

Norbert Gleicher, USA

01:45 PM-02:15 PM Should we need LH in the stimulation protocol? A critical perspective

Robert Fischer, Germany

02:15 PM-02:45 PM Human IVM - Are we advancing towards more widespread clinical use?

Claus Yding Andersen, Denmark

02:45 PM-03:15 PM Uterine transplantation - State of the art

Tommaso Falcone, USA

03:15 PM-03:30 PM *Coffee break, poster viewing and visit the exhibition area***03:30 PM-05:40 PM Session 8: Nuclear transfer – The future in cell programming****Chairs: Claus Yding Andersen, Denmark & John Zhang, USA**

03:30 PM-04:00 PM Clinical aspects of nuclear transfers

Valery Zukin, Ukraine

04:00 PM-04:30 PM Current status on sequential nuclear transfer

Liu Zitao, USA