Special Invitation from the Workshop Co-Chairs

On the occasion of the Golden Anniversary of the Society for the Study of Reproduction, we would like to invite you to the 2017 Pre-Meeting Technology Workshop “New and Emerging Technologies Transform Reproductive Health Care” on Wednesday and Thursday July 12-13, 2017, in the Palladian Room, Omni Shoreham Hotel, Washington, DC.

The Workshop will be of interest to reproductive biologists and graduate and postdoctoral research trainees, clinicians, embryologists/andrologists, residents and fellows as well as nurses working in fertility centers.

If you have not already registered for this workshop, please do not miss this Golden Opportunity. Registration fees, which include the welcome reception, breakfast, lunch and refreshment breaks, are $125 (Trainees) and $250 (Non-Trainees). Please register on site at the workshop itself.

The scientific program exemplifies the success in and importance of multidisciplinary approaches in translating discoveries at the bench to the clinic to improve human reproductive health. Our speakers will address new concepts on the etiology in reproductive failures resulting from dysregulated fertility and pregnancy complications and re-examine current treatment paradigm. It will focus on the cellular, molecular and metabolic dysfunction in gametes and embryos, and the genetic and epigenetic consequences driven by the altered metabolic and inflammatory states as well as in changes in the ovarian and testicular microenvironment. New and emerging technologies in infertility diagnosis and strategies in reducing treatment burden in human ART will be highlighted by addressing the important question on whether and how best to “treat the infertile subjects or treat their gametes”.

We hope you will join us in this exciting Workshop and take advantage of the opportunity to network and to establish productive research collaboration.

Yours sincerely,

Benjamin K. Tsang, PhD  
Johan Snitz, MD, PhD

Co-Chairs, 2017 Pre-Meeting Technology Workshop
Scientific Program

Wednesday, July 12, 2017 (17:00h – 19:15h)

17:00 h. Welcome from the President and Workshop Co-Chairs
Janice Bailey, PhD (Laval University, Canada)
Benjamin Tsang, PhD (University of Ottawa & Ottawa Hospital Research Institute, Canada)
Johan Smitz, MD, PhD (Vrije Universiteit Brussel, Belgium)

17:15 h – 17:45h Keynote Lecture
Preimplantation genetic screening without embryo biopsy.
Mousa Shamonki, MD (UCLA, USA)

17:45 h - 19:15 h Welcome Reception

Thursday, July 13, 2017 (07:00h – 15:30h)

07:00h – 08:15h Buffet Breakfast

07:30h – 07:45h Welcome / Announcement

07: 45h – 08:35h Session I: Epigenetic Determinants of Human Fertility
In vitro culture of oocytes and DNA methylation reprogramming
Ellen Anckaert, MD, PhD (Vrije Universiteit Brussel, Belgium)

The sperm epigenome and paternal pre-conception health: a perspective on translational research from mice to men
Sarah Kimmins, PhD (McGill University, Canada)

08:35h – 09:25h Session II: Molecular and Cellular Mechanisms in Pregnancy Loss
MicroRNAs in the pathogenesis of preeclampsia
Chun Peng, PhD (York University, Canada)

Immune Programming of Gestational Diabetes Mellitus
Surendra Sharma, MD, PhD (Women and Infants Hospital -Brown University)

09:25h – 09:45h Coffee Break

09:45 h – 11:00h Session III: Steroid Hormones and Adipokines in the Dysregulation of ovarian Follicle and Embryo Development

Progesterone Receptor Membrane Component 1 as a regulator of female fertility
John Peluso, PhD (University of Connecticut, USA)

Androgen and PCOS: dysregulation at the reproductive-metabolic-immunologic Interphase
Benjamin Tsang, PhD (University of Ottawa & Ottawa Hospital Research Institute, Canada)

Altered embryogenesis with obesity, aging and ART
Rebecca Robker, PhD (University of Adelaide, Australia)

11:00h – 11:25h

Session IV: "Ferring’s Commitment to Reproductive Health Research"

Marcel Van Duin, PhD (Ferring Research Institute)

11:25h – 12:30h

Buffet Lunch

12:30h – 13:45h

Session V: New Technologies in Diagnosis and Treatment of Infertility

Pre-implantation genetic testing (PGS & PGD)
Mike Large, PhD (CooperSurgical, USA)

Impact of technological advances in pre-conception carrier screening
James Hayes, PhD (CooperGenomics, USA)

IVF cycle failure: how genomic can help explain individual cases?
Marc-Andre Sirard, PhD (Laval University, Canada)

13:45h - 14:00h

Coffee Break

14:00h – 15:15h

Session VI: Treating the Infertile Woman or Treating Her Oocytes

How mitochondria supplement works in unhealthy oocytes?
Yoshihara Morimoto, MD, PhD (IVF Japan, Osaka Japan)

IVM, a way to reduce the burden of ART treatment
Johan Smitz, MD, PhD (Vrije Universiteit Brussel, Belgium)

Natural IVF combined with IVM as first line treatment instead of IUI
Seang Lin Tan, MBBS, MBA (McGill University, Canada)

15:15h

Closing Remarks / Thank You
Johan Smitz, MD, PhD (Vrije Universiteit Brussel, Belgium)
Benjamin Tsang, PhD (University of Ottawa & Ottawa Hospital Research Institute, Canada)

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