

1. NAME: Hot topics in Reproduction Genetics
2. PROFESORS:
  - a. Principal: Dr. Marcela Fragoso Benítez, Medical Geneticist.
  - b. Associate: Dr. Pamela Ayala Hernández, Medical Geneticist
  - c. Invited:
    - i. Dr. Larissa López Rodríguez, Medical Geneticist, Mexico
    - ii. Mae Hoover, Director of Customer Success, NextGen Genetics, USA
    - iii. Debbie Vernier, Co-Founder WEST, USA
    - iv. Ula Sankowska, Co-Founder & CEO, MIM Fertility, Poland
    - v. Uliana Dorofeyeva, Founder & Director of clinical operation, Ovogene, Ukraine
    - vi. María Katz, Genetic Counselor at Orchid, USA
    - vii. Richelle Duque Björvang, Affiliated Researcher, Uppsala University, Sweden
    - viii. Laura Ratner, Doctora Veterinaria, Universidad de Quilmes, Argentina
3. ADDRESSED TO: Reproductive biologists, this course is in English
4. OBJECTIVES:
  - a. General: To provide a current point of view on different topics in Reproductive Genetics
5. PROGRAM:

TOPIC	PROFFESSOR	DAY	TIME	COUNTRY
Preimplantation Genetic Testing, what's new?	Mae Hoover	May 8th	18:30	USA
Mitochondrial Replacement Therapy	Ulyana Dorofeyeva	May 8th	19:00	USA
Fetal chemical exposure in the era of chemophobia, what does science say?	Richelle Duque Björvang	May 8th	19:30	Sweden
Epigenetic modifications, role on fertility	Larissa López	May 8th	20:00	Mexico
Polygenic risk scores, ethical concerns	Pamela Ayala	May 8th	20:30	Mexico
Artificial Intelligence in Reproductive Genetics	Ula Sankowska	May 15th	18:30	Poland
Non-invasive preimplantation genetic testing, the embryologist perspective	Debbie Vernier	May 15th	19:00	USA
Artificial Gametes, Embryoids, how far can we get and why?	Marcela Fragoso	May 15th	19:30	Mexico
CRISPR Gene Edition in Embryos, ethical and safety concerns	Maria Katz	May 15th	20:00	Argentina
WGS in IVF embryos	Laura Ratner	May 15th	20:30	USA

6. PURPOSED TIME FRAME:
  - a. May 8th and 15th, 18:30-21hrs, 30 minutes per topic.

