

Scientific Program

19:30 - 19:50 h - Welcome and introductory comments

19:50 - 20:30 h - Opening Ceremony

EVOLUTIONARY ASPECTS OF GENETICS ON HUMAN REPRODUCTION

Coordinator: Edson Borge Junior / Speaker: Rui Geraldo Camargo Viana

8:30 h – 9:00 h

GENE STRUCTURE, INHERITANCE and MOLECULAR MECHANISM APPLIED TO REPRODUCTIVE MEDICINE

Coordinator: Leila Farah / Speaker: Alan Handyside

9:00 h – 9:30 h

GENETIC CONTROL OF GAMETOGENESIS

Coordinator: Renzo Antonini / Speaker: H. Ingolf Nielsen

9:30 h – 10:30 h

Roundtable

GENETIC CONSIDERATIONS IN REPRODUCTIVE DISORDERS

Coordinator: Eduardo Pandolfi Passos

CHROMOSOMAL ALTERATIONS IN OOCYTES AND EMBRYOS/NUMERICAL AND STRUCTURAL ALTERATIONS AND MOSAICISMS

Speaker: **Catherine Staessen**

CHROMOSOMAL ALTERATIONS IN SPERMATOOZOA/POPULATION SCREENING

Speaker: **Renee H. Martin**

COMMENTS

Peter Schlegel

QUESTIONS AND ANSWERS

10:30 h – 11:00h *Coffee break*

11:00 h – 12:30 h

Round table

IMPACT OF GENETICS ON ASSISTED REPRODUCTIVE TECHNIQUES (ART)

Coordinator: Paulo Serafini

IN VITRO FERTILIZATION: LESSONS TO LEARN FROM IN VIVO FERTILIZATION

Speaker: **Catherine Staessen**

INTRACYTOPLASMIC SPERM INJECTION (ICSI) AND FERTILIZATION FAILURE

Speaker: **Peter Nagy**

MALE FACTOR INFERTILITY: GENETIC CONSIDERATIONS

Speaker: **Peter Schlegel**

COMMENTS

Rene H. Martin

QUESTIONS AND ANSWERS

12:30 h – 14:00 h: lunch

14:00h – 14:40 h

Round Table

HOW NEW TECHNOLOGIES CAN OPTIMIZE RESULTS IN OOCYTE AGING AND INFERTILITY?

Coordinator: Roger Abdelmassih

OPTIMIZING PREIMPLANTATION EMBRYO DEVELOPMENT IN VITRO

Speaker: **H. Ingolf Nielsen**

NUCLEAR TRANSFER/GERMINAL VESICLE TRANSFER

Speaker: **Peter Nagy**

COMMENTS

Joe L. Simpson

QUESTIONS AND ANSWERS

14:40 h – 15:10h

DIAGNOSIS ALTERNATIVES FOR GENETIC ABNORMALITIES IN INFERTILITY

Coordinator: Joaquim Roberto Costa Lopes / Speaker: Yuri Verlinsky

FLUORESCENCE IN SITU HIBRIDIZATION (FISH) METHODS AND QUALITY ASSURANCE/ POLYMERASE CHAIN REACTION (PCR) / FLUORESCENT PCR / KARYOTYPE SCREENING / MICROCHIP GENE TECHNOLOGIES

Coordinator: Joaquim Roberto Costa Lopes / Speaker: Yuri Verlinsky

QUESTIONS AND ANSWERS

15:30 h – 16:00 h: coffee break

16:00h – 17:30 h

Workshop

Room A - **Coordinator: Agnaldo Cedenho**

Investigating the male gamete

Speaker: Renee Martin, Comments: Peter Schlegel

Room B - **Coordinator: Bela Zausner**

Clinical impact of the assessment of oocyte and embryo

Speaker: Santiago Munné, Comments: Luca Gianaroli

9:00 h – 10:30 h

Round table

CURRENT STATUS OF PREIMPLANTATION GENETIC DIAGNOSIS

Coordinator: Alvaro Petracco

CLINICAL APPLICATIONS: MENDELIAN AND CYTOGENETIC DISORDERS

Speaker: **Joe L. Simpson**

CLINICAL INDICATIONS: IMPROVING ART RESULTS IN REPEATED ABORTUSES AND IVF FAILURES

Speaker: **Luca Gianaroli**

WHICH IS THE BEST EMBRYO TO TRANSFER? PGD AS A TOOL TO SELECT EMBRYOS

Speaker: **Santiago Munné**

COMMENTS

Yuri Verlinsky

QUESTIONS AND ANSWERS

10:30 h – 11:00 h – coffee break

11:00 h – 11:30 h:

MITOCHONDRIAL GENOME: WHAT FOR? ORIGIN AND PERSISTENCE OF MITOCHONDRIAL GENOME / TRANSCRIPTIONS AND REPLICATION OF MITOCHONDRIAL DNA / MATERNAL MITOCHONDRIAL INHERITANCE / IN VITRO GENETIC MODIFICATION OF MITOCHONDRIAL FUNCTION

Coordinator: Peter Nagy / Speaker: Alan Handyside

11:30 h – 11:45 h: QUESTIONS AND ANSWERS

11:45 h – 12:15h:

PRENATAL GENETIC DIAGNOSIS

Coordinator: Assumpto Iaconelli Júnior / Speaker: Joe Simpson

12:15 h – 12:30 h: QUESTIONS AND ANSWERS

12:30 h – 14:00 h: lunch

14:00 h – 16:00 h:

Round table

BASIC SCIENCE APPLIED TO CLINICAL PRACTICE

Coordinator: Santiago Munné

HUMAN GENOME PROJECT

Speaker: **Salmo Raskin**

STEM CELLS

Speaker: **Lygia da Veiga Pereira**

CLONING – CURRENT DEBATE

Speaker: **H. Ingolf Nielsen**

GENE THERAPY

Speaker: **Alan Handyside**

REPRODUCTIVE FUTURE OF NEWBORNS

Speaker: **Joe L. Simpson**

16:00 h – 16:30 h coffee break

16:30 h – 17:30 h:

Round table

ETHICAL DILEMMAS: PROS AND CONS!

Coordinator: Edson Borges Junior

CONS!

Speaker: **Yuri Verlinsky**

PROS!

Speaker: **Luca Gianaroli**

QUESTIONS AND ANSWERS

17:30 h Closing ceremony