



15th International Conference on Prenatal Diagnosis and Therapy

11 - 14 July 2010 ~ Amsterdam, Netherlands

Save the date!

Visit www.ispdhome.org/conference/2010 for more information

Leaders in the field will debate controversial topics in prenatal diagnosis

- **Is stem cell therapy ready for human fetuses?**
Debate Moderator: Karen Sermon (Belgium)
FOR: Magnus Westgren (Sweden)
AGAINST: Christine Mummery (Netherlands)
- **Is conventional analysis (karyotyping and FISH) necessary in the post-array CGH era?**
Debate Moderator: The-Hung Bui (Sweden)
FOR: Lisa Shaffer (USA)
AGAINST: Orsetta Zuffardi (Italy)
- **Does industry sponsorship accelerate or hinder the pace of research?**
Debate Moderator: André van Steirteghem (Belgium)
FOR: Gajus Worthington (USA)
AGAINST: Sigrid Sterckx (Belgium)
- **Down syndrome screening: Is ultrasound better than cell-free nucleic acids in maternal blood?**
Debate Moderator: Jan Van Lith (Netherlands)
FOR ULTRASOUND: Beryl Benacerraf (USA)
FOR NUCLEIC ACIDS: Wolfgang Holzgreve (Germany)

The program will include preconference courses on Sunday, 11 July 2010. Conference sessions begin on Monday, with invited speakers, selected abstract presentations, and selected poster presentations.

Abstract submission will open in January 2010 and conclude on 1 March 2010!

Conference sessions will include talks by leading experts and selected abstract presentations. ISPD is proud to announce the participation of the following confirmed speakers.

Opening Plenary

- What does the UK white paper on genetic testing mean for prenatal diagnosis?
Lord Patel (UK)

Fetal Therapy: Surgical Approach

- Lower Urinary Tract Obstructions: Mark Kilby (UK)
- New and/or improved aspects of fetal surgery: Francois Luks (USA)

Ethical issues in prenatal diagnosis

- Recent advances in personal genome testing: Cecile Janssens (Netherlands)
- Ethical dilemmas: When will total genome analysis play a role in prenatal diagnoses?
Guido de Wert (Netherlands)

Preimplantation genetic diagnosis

- Update on PGD for chromosomal abnormalities: Carmen Rubio (Spain)
- PGD for monogenic diseases: Update on technologies, indications and outcomes:
Martine De Rycke (Belgium)

Fetal imaging and anomalies

- What is the best fetal imaging technique to diagnose skeletal dysplasias?
Deborah Krakow (USA)
- 3D/4D imaging: Karim Kalache (Germany)

Fetal cells and cell-free nucleic acids in maternal circulation

- DNA or RNA: Which is better for noninvasive diagnosis of aneuploidy? Dennis Lo (Hong Kong)
- Non-invasive aneuploidy detection using methylation-sensitive amplification and microarray analysis: Stephen Brown (USA)

Stem cells and early development

- The promise of stem cells in regenerative medicine: Wim Fibbe (Netherlands)
- Cell (pre)-destiny in the human preimplantation embryo and implications for IVF and PGD:
Hilde Van de Velde (Belgium)
- Role of germline and early embryo DNA methylation dynamics in normal fetal development:
Jacquetta Trasler (Canada)

Molecular and classical cytogenetics

- CNVs and the structural rearrangement of the human genome: Charles Lee (USA)
- Array CGH in prenatal diagnosis: Joris Vermeesch (Belgium)

Prenatal screening for fetal anomalies

- Serum screening in twin pregnancies: Howard Cuckle (UK)
- What can the first trimester scan tell us? Jo-Ann Johnson (Canada)

Genome wide analysis in prenatal diagnosis

- Preeclampsia: Kenneth Ward (USA)
- Preterm birth: Craig Penell (Australia)

Fetal therapy: Innovative non-surgical approach

- The genomic approach: Donald Peebles (UK)
- The stem cell approach: Nick Fisk (Australia)