

Scientific Programme

Igenomix at ESHRE 2022

3-6 July

Precongress Course

Session: The IVF of tomorrow: The journey towards precision medicine, automation, machine learning and artificial intelligence Part 1
Sunday, July 3rd

The relevance of endometrial microbiome in embryo implantation and reproductive outcomes
Speaker: Carlos Simón, Spain

11:45-12:15

Oral Presentation:

Session 69: Innovative approaches to study human reproduction

Single-cell RNA sequencing reveals that Asherman's syndrome is caused by chronic inflammation that induces differential molecular and cellular cartography in the human endometrium.

X. Santamaria Costa, R. Beatriz, K. Nanda, F. Estefania, P. Raul, V. David, R. Luciano, Q. Sergi, T. Juan José, A. Ramon, H. Julio, M. Inmaculada, V. Felip, S. Carlos.

Tuesday, July 5th/17:45-18:00

POSTER DISCUSSION SESSION

Embryology

Non-invasive aneuploidy testing versus conventional morphological embryo selection in good prognosis patients.

J. Franco, E. Carrillo de Albornoz, V. Amelia, B. Gonzalo, S. Florencia, O. Ivan, M. Alvaro, I. Silvia, M. Elena, R. Alejandra, B. Beatriz, V. Ana, C. Vega, B. Santi.

Hospital Ruber Internacional, Human Reproduction, Madrid, Spain.

POSTER

Reproductive (epi)genetics

Accuracy of Rapid Prenatal Testing by 24-chromosome analysis using Next Generation Sequencing.

L. Rodrigo, A. Cervero, R. Chopra, T. Mikulski, C. Martínez, I. Campos-Galindo, E. Mateu-Brull, N. Balaguer, C. Simón, M. Milán.

Reproductive (epi)genetics

High concordance of the embryonic cell-free DNA with the inner cell mass: impact of blastocyst quality, patient age and mode of fertilization.

L. Navarro-Sánchez, O. Ocali, C. García-Pascual, G. Mamede Andrade, D. Castelló, F. Lai, C. Gross Dutra, C. Rubio, C. Simon, N. Frantz, D. Sakkas.

Reproductive (epi)genetics

Improved clinical validity of Preimplantation Genetic Testing for Aneuploidy (PGT-A) using a next-generation sequencing workflow for simultaneous detection of aneuploidy, ploidy and common pathogenic microdeletions.

S. Caroselli, M. Figliuzzi, F. Cogo, P. Zambon, F. Favero, A. Anastasi, F. Capodanno, A. Gallinelli, D. Cimadomo, L. Rienzi, F.M. Ubaldi, J. Miravet-Valenciano, D. Blesa-Jarque, C. Simon, A. Capalbo.