

## Scientific Programme

# Igenomix at ESHRE 2021

26 June - 1 July

### Oral Presentation: Session 20: Novel technologies in reproduction

Polymeric scaffold loaded with CD133+ BMDSCs for endometrial regeneration in Asherman's syndrome.  
**N. Venkatesan, E. Fernandez Garcia, X. Santamaria Costa, C. Simón Valles.**

Monday, June 28<sup>th</sup> / 17:45

### Oral Presentation: Session 28: Investigating the genetic basis of reproductive phenotypes

Parental whole-exome sequencing allows the discovery of genetic causes of extreme IVF phenotypes such as oocyte/embryo developmental arrest and recurrent low fertilization.

**A. Capalbo, S. Buonaiuto, G. Damaggio, M. Cetinkaya, B. Yuksel, C. Simón, V. Colonna, S. Kahraman.**

Tuesday, June 29<sup>th</sup> / 10:00

### Oral Presentation: Session 37: The endometrium in implantation early pregnancy

Endometrial microbiota composition is associated with reproductive outcome in infertile patients.

**I. Moreno, I. Garcia-Grau, D. Perez-Villaroya, M. Gonzalez-Monfort, D. Bau, C. Gomez, D. Valbuena, F. Vilella, C. Simón.**

Tuesday, June 29<sup>th</sup> / 15:15

### Oral Presentation: Session 81: Implantation and early pregnancy - Events and consequences

A non-invasive approach for aneuploidy analysis in clinical miscarriages.

**N. Balaguer, L. Rodrigo, E. Mateu-Brull, I. Campos-Galindo, N. Al-Asmar, C. Rubio, C. Simón, M. Milán.**

Thursday, July 1<sup>st</sup> / 14:45

## POSTER PRESENTATION

### NOMINATED FOR THE BASIC SCIENCE AWARD FOR POSTER PRESENTATION

#### Session 15: Reproductive (epi)genetics poster discussions

Validation of a Next Generation Sequencing (NGS) workflow integrating simultaneous analysis of ploidy, microdeletions and de novo monogenic diseases for expanded preimplantation genetic testing (PGT).

**S. Caroselli, L. Girardi, M. Poli, F. Cogo, C. Patassini, I. Pergher, M. Costa, J.A. Miravet, J. Jimenez, D. Bau, C. Rubio, D. Blesa, C. Simón, A. Capalbo.**

Monday, June 28<sup>th</sup>, 15:30

## POSTER

### Reproductive (epi)genetics

Comparative analysis of non-invasive preimplantation genetic testing of aneuploidies (niPGTA), PGT-A and IVF cycles without aneuploidy testing: preliminary results.

**J. Franco, E. Carrillo, A. Villa, R. Gay, F. Sotos, A. Vegas, A. Martinez, B. Bueno, S. Iniesta, E. Melia, V. Cabezuolo, A. Rexach, S. Bau, G. Bescos.**

Hospital Ruber Internacional, Human Reproduction, Madrid, Spain.

#### Reproductive (epi)genetics

The use of wide thresholds for detecting intermediate chromosomal CNV up to 80% doesn't improve PGT-A ability to discriminate true mosaic from uniformly aneuploid embryos.

**L. Girardi, M. Serdaroğulları, C. Patassini, S. Caroselli, M. Costa, I. Pergher, Ö. Çoban, N. Findikli, K. Boynukalin, M. Poli, M. Bahceci, C. Simón, A. Capalbo.**

#### Embryology

Abnormal cleavage patterns during embryo preimplantation development and their effect on blastulation: an overview from IVF patients with multiple IVF cycles in a time-lapse incubator.

**D. Cimadomo, F. Innocenti, D. Soscia, A. Gianciani, R. Maggiulli, M. Stoppa, L. Dovere, L. Albricci, G. Fabozzi, E. Scepti, F. Chimienti, A. Capalbo, F. Maria Ubaldi, L. Rienzi**

#### Psychology and counselling

Euploid embryo-transfer reduces advanced maternal age patients' anxiety in the waiting period before the pregnancy-test.

**M. Forte, F. Faustini, R. Venturella, E. Rania, E. Alviggi, E. Trabucco, D. Cimadomo, A. Capalbo, F. Zullo, F. Ubaldi, L. Rienzi.**

## PRECONGRESS COURSE

Reproductive medicine in the era of high throughput sequencing

**A. Capalbo - Senior deputy member of the SIG Reproductive Genetics**

Sunday, June 27<sup>th</sup>, 09:00