

## PGDIS Newsletter, August 2024

### 22<sup>ND</sup> INTERNATIONAL CONFERENCE ON PREIMPLANTATION GENETICS

#### Leuven, Belgium, 6-9 April 2025

The 22<sup>ND</sup> International Conference on Preimplantation Genetics follows the amazing PGDIS conference in Kuala Lumpur, which in the tradition of PGDIS conferences explored new territories and highlighted the novel trends in PGT, coming a long way from the pioneering work of nineties on PGT-M toward a large-scale genome wide analysis. PGT-A is also becoming established as a valuable addition to IVF programs worldwide, with demonstrated value of concurrent SNP typing to improve the further success rates of PGT-A. SNP typing allows deduction of the origins of aneuploidies, being mitotic or meiotic, which in turn allowing for improved embryo selection or ranking. SNP typing may help in classifying the mosaicisms which remain unaccounted for, with growing evidence that a low-grade mosaicism can be neglected. In addition, SNP typing may enable a generic method for PGT-M, with the progress of PGT for common late onset conditions. Several methodological novelties were presented, including whole genome, transcriptome and methylome profiling which have the potential to transform the field further, about which we hope to learn more in Leuven, although it will be a challenge to match the Kuala Lumpur experience.

Thus, it is a great pleasure to announce the next PGDIS conference which will take place in the beautiful city of **Leuven, Belgium, April 6-9, 2025**. While the University celebrates its 600<sup>th</sup> anniversary, we will host the world's top scientists and key opinion leaders on preimplantation genetics. Leuven is a vibrant student town akin to Oxford and Cambridge, only 30 minutes away from Brussels! With the meeting taking place in the Irish College, the atmosphere will be scholarly and spiritual.

**The theme of the conference will be 'Insights from and for PGT'**. Genetic testing of embryos has provided a wealth of novel biological insights in oocyte and embryo biology and genetics. This information, in turn, has proven essential to improve IVF and PGT programs. The meeting will provide the latest genetic insights in oocyte and embryo biology, often a consequence of PGT and present the latest technological advances which are a consequence of those biological findings. The society encourages young scientists - the future of our field and of the Society - to attend and contribute to the meeting. Early-career basic and clinical scientists are urged to submit their research, and summaries of their experience, for presentation.

Looking forward to welcoming you in Leuven, Belgium.

*Joris Vermeesch*

Chairman of Organizing Committee

President-Elect of PGDIS

*Dagan Wells*

President of PGDIS

*Anver Kuliev*

Executive Director

of PGDIS