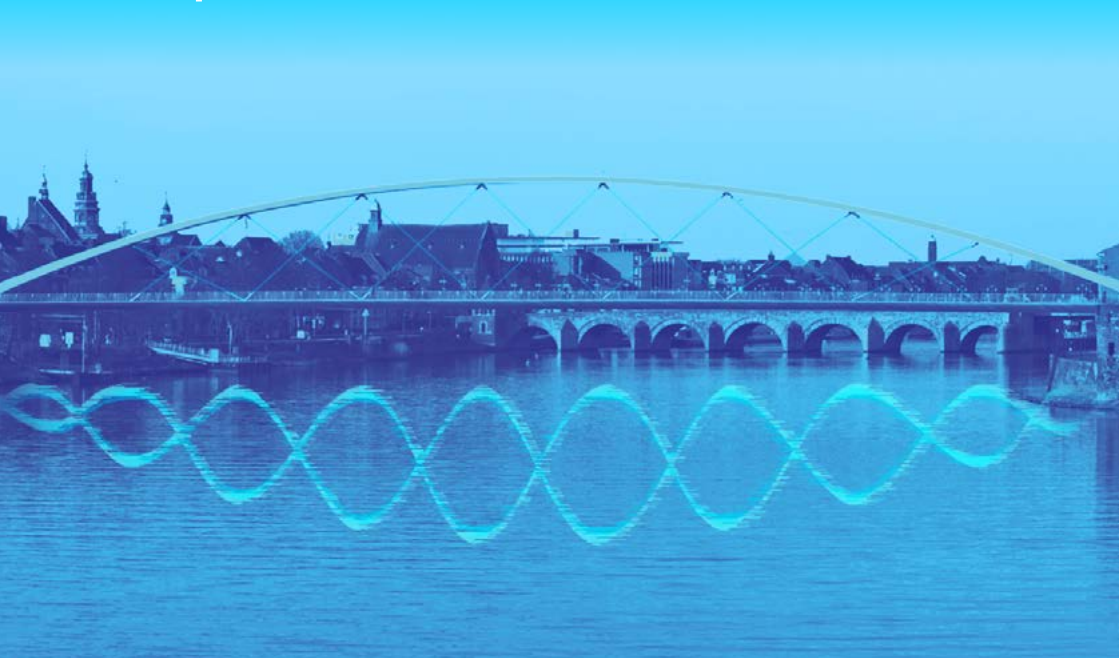


Programme

Course Next-Generation Reproductive Medicine



**8-10 October 2025
Van der Valk Maastricht**



Wednesday 8 October 2025

10.45 – 11.20 Registration

11.20 – 11.30 Welcome and introduction

Dr. Edith Coonen (the Netherlands)

11.30 – 12.15 Keynote lecture: Genetic and genomics to understand endometriosis

Prof. Krina Zondervan (United Kingdom)

12.15 – 12.30 Interactive Q&A

12.30 – 13.30 Lunch

13.30 – 14.15 Preconception carrier testing:
has its moment come?

Prof. Han Brunner (the Netherlands)

14.15 – 14.30 Interactive Q&A

14.30 – 15.00 Coffee break

15.00 – 15.45 Challenges in reproductive genetic counseling

Dr. Malou Heijligers (the Netherlands)

15.45 – 16.30 Embryos on Trial: The Ethics of Reproductive Medicine

Dr. Hafez Ismaili M'Hamdi (the Netherlands)

16.30 – 16.45 Interactive Q&A

16.45 – 17.00 Coffee break

17.00 – 17.45 Polygenic Risk Scores in Pre-Implantation Genetic Testing:
Scientific Limitations and Ethical Concerns

Prof. Yves Moreau (Belgium)

17.45 – 18.00 Interactive Q&A

- 09.00 – 09.15** **Summary day 1**
Prof. Andres Salumets (Sweden)
- 09.15 – 10.00** **Comprehensive PGT: from leveraging clinical care to understanding embryo genetics**
Dr. ir. Eftychia Dimitriadou (Belgium)
- 10.00 – 10.45** **Future directions in PGT**
Dr. Antonio Capalbo (Italy)
- 10.45 – 11.00** **Interactive Q&A**
- 11.00 – 11.30** **Coffee break**
- 11.30 – 12.15** **Next-generation liquid biopsy technologies in reproductive medicine**
Prof. Joris Vermeesch (Belgium)
- 12.15 – 12.30** **Interactive Q&A**
- 12.30 – 13.30** **Lunch**
- 13.30 – 14.15** **Genome wide NIPT: pitfalls and future developments**
Prof. Erik Sistermans (the Netherlands)
- 14.15 – 14.30** **Interactive Q&A**
- 14.30 – 14.45** **Coffee break**
- 14.45 – 15.00** **Accurate quantification of mitochondrial DNA heteroplasmy and copy number at the single cell level with digital PCR**
Noemi Castelluccio (Belgium)
- 15.00 – 15.15** **Prenatal whole exome/genome sequencing (WES/WGS) for diagnostic purposes: ethical reflection**
Guido de Wert (the Netherlands)
- 15.15 – 15.30** **Optimising gene panels for equitable reproductive carrier screening**
Leslie Burnett (Australia)
- 15.30 – 15.45** **Vitrification-warming delays preimplantation development and impairs mitochondrial function and cytoplasmic lattices integrity in mouse embryos**
Mariana Barroso (Sweden)
- 15.45 – 16.00** **Coffee break**
- 16.00 – 16.45** **Endometriosis biology and its link to infertility**
Dr. Jacques Maas (the Netherlands)
- 16.45 – 17.00** **Interactive Q&A**
- 17.00 – 18.00** **Drinks and bites**

09.00 – 09.15 Summary day 2

Dr. Masoud Zamani Esteki (the Netherlands)

09.15 – 10.00 Reproductive Bioengineering

Dr. ir. Erik Vrij (the Netherlands)

10.00 – 10.45 Stem cell based embryo models

Dr. Fredrik Lanner (Sweden)

10.45 – 11.00 Interactive Q&A

11.00 – 11.30 Coffee break

11.30 – 12.15 The impact of microtubules on meiotic and mitotic chromosome instability

Dr. Marta de Ruijter-Villani (the Netherlands)

12.15 – 12.30 Interactive Q&A

12.30 – 13.30 Lunch

13.30 – 14.15 Artificial gametes: how far are we from making (mature) human oocytes

Prof. Susana Chuva de Sousa Lopes (the Netherlands)

14.15 – 14.30 Interactive Q&A and closure course

14.30 – 14.45 Coffee break

14.45 – 17.45 Workshop PGT

Dr. Aimée Paulussen (the Netherlands)



The Next-Generation Reproductive Medicine, Maastricht, Netherlands 08/10/2025 - 10/10/2025, has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 16.0 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

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