



University of  
Zurich <sup>UZH</sup>

URPP Human Reproduction  
Reloaded | H2R

**USZ**  
Universitäts  
Spital Zürich

**ETH** zürich  
*INS* institute   
for neuroscience

# 3rd Zuri-Repro meeting

THURSDAY, 11.06.2026



This event is possible thanks to the support of:



University of  
Zurich <sup>UZH</sup>

URPP Human Reproduction  
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Novogene

**ESCO**  
MEDICAL

# 3rd Zuri-Repro meeting

Thursday, 11.06.2026



## Program:

### Session 1:

12.30 – Opening

12.40 – **Prof. Dagmar Iber** (ETH). *Quantitative Computational Modelling of Oocyte Maturation and Early Embryogenesis.*

13.10 – **Juliet Richetto** (Group leader – UZH). *Preconception Social Stress: From Placental Adaptations to Lifelong Behavioral Outcomes.*

13.25 – **Ying Cai** (PhD Student, Cavazza Lab – UZH-USZ). *The mechanism of embryonic failure triggered by DNA-damaged sperm*

13.40 – **Dr. Pawel Pelczar** (Uni-Basel). *Transgenic Technologies meet 3Rs.*

14.10 – Flash talks

**Bohan Zhang** (Master Student, Gapp Lab – ETH). *The Long Sequel of Paternal Stress on Offspring Phenotype: Can We Intervene?*

**Olivia Smith** (Postdoc, Kowalewski Lab – UZH). *Chronic Hypoxia Uncovers Oxygen-Dependent Mitochondrial and Cholesterol Regulation in Granulosa Cells.*

14.20 – **Novogene** – Sponsor talk.

### Coffee Break and Poster Session:

14.25-15.30 – Same room as talks.

### Session 2:

15.30 – **Prof. Susanne Ulbrich** (ETH). *Speed Control: Embryonic Diapause In Roe Deer.*

16.00 – **Theresa Schoepp** (Postdoc, Mansuy Lab – UZH-ETH). *Susceptibility of germline stem cells to stress.*

16.15 – **Shayan Shami** (Postdoc, Pelkmans Lab - UZH). *Multimodal decisions in development.*

16.30 – **Leopold Franz** (PhD Student, Iber Lab - ETH). *Modeling the female reproductive system for fertility treatments*

16.45 – Flash talks

**Martino Ugolini** (Postdoc, Cavazza Lab - UZH-USZ). *Symmetric division of mammalian zygotes is achieved by anaphase spindle repositioning.*

**Pooneh Ghaznavi** (PhD Student, Bollwein Lab - UZH). *Seminal Exosomes: Potential vectors modulating sperm-to-sperm interaction for improving sperm quality and fertility.*

17.00 – **Prof. Antoine H.M. Peters** (FMI, Basel). *Towards a molecular understanding of intergenerational epigenetic.*

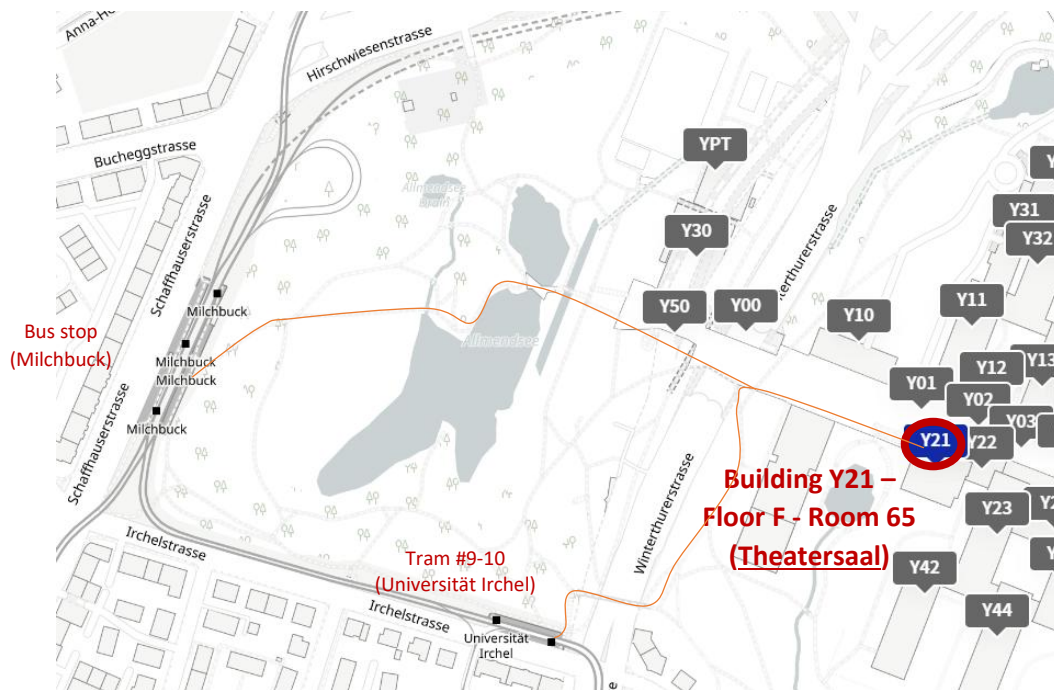
17.40 – Closing remarks + poster prize

### Networking Apéro:

17.45 – Same room as talks.

## Location:

Irchel Campus → Theatersaal in building Y21, floor F (Room Y21-F-65). See map.



## Organizers:

Eleni Malama (UZH) - Katharina Gapp (ETH) - Leonardo Zingler Herrero (UZH) – Iryna Ivanova (ETH) - Tommaso Cavazza (USZ – UZH – URPP H2R)

## Continuous education:

The meeting will be submitted to count towards further education for animal experimentation. At the end of the meeting, look for Dr Malama and sign the document to confirm attendance.

## Poster presentations:

- 1) **Kudzaishe Adwell Mushati** (PhD Student, Kowalewski Lab - UZH): *Mapping the Cellular Landscape of the Canine Placenta: Single-Nucleus Profiling Reveals Mechanisms Governing Feto-Maternal Exchange and Placental Adaptation During Maintenance and Termination of Pregnancy.*
- 2) **Camilla Stamme** (PhD Student, Cavazza Lab - UZH/USZ): *Mechanisms of parental genomes cell cycle synchronization in mammalian zygotes.*
- 3) **Davide Bosi** (PhD Student, Ulbrich Lab - ETH): *Knockout serum replacement is as effective as fetal bovine serum for the vitrification of in vitro produced cattle blastocysts.*
- 4) **Ruth Hornbachner** (PhD Student, Pelkmans Lab - UZH): *Characterization of anterior-posterior symmetry-breaking dynamics using whole-mount multiplexed protein mapping.*
- 5) **Iryna Ivanova** (PhD Student, Gapp Lab - ETH): *Investigating germline effects of paternal temperature exposure on offspring phenotype.*
- 6) **Joke De Busscher** (PhD Student, Ulbrich Lab - ETH): *In Vitro Culture of Diapausing Roe Deer Embryos.*
- 7) **Luiz Antonio Berto Gomes** (PhD Student, Kowalewski Lab - UZH): *Dynamic regulation of Hypoxia-inducible factor 1 alpha (HIF1 $\alpha$ ) under chronic hypoxia in gonadal steroidogenic cells.*
- 8) **Markus Schliffka** (Postdoc, Cavazza and Gapp Labs - UZH/USZ/ETH): *In vitro VS in vivo: uncovering the role of estrogens in preimplantation embryogenesis.*
- 9) **Meret Arter** (Postdoc, Cavazza Lab - UZH/USZ): *Towards systematic validation of maternal genetic predictors of assisted reproductive treatment success.*
- 10) **Pascal Leutenegger** (Master Student, Pelkmans Lab - UZH): *Cellular Heterogeneity as a Predictor for Cell Fate Decisions in Early Embryo Development.*
- 11) **Selina Frei** (PhD Student, Gapp Lab - ETH): *Glucocorticoid signaling in mature sperm contributes to the intergenerational transmission of trauma.*
- 12) **Antonia Isabelle Dyroff** (PhD Student, Bauersachs Lab - UZH): *The bacterial uterine microbiome and fertility in the mare.*
- 13) **Bernhard Magerl** (PhD Student, Cavazza Lab - UZH/USZ): *Enlightening Early Embryogenesis: Origin and Consequences of Aneuploidy.*
- 14) **Vimal Veeriah** (Postdoc, Kowalewski Lab - UZH): *Establishment of a 3D Decidualized Canine Uterine Stromal Model Reveals Direct and Extracellular Vesicle-Mediated Destabilization of Decidualized Spheroids by Antigestagens.*
- 15) **Julio Eduardo Cáceres Pajuelo** (PhD Student, Mansuy Lab - UZH/ETH): *Intergenerational epigenetic outcomes of early life stress exposure in female mice.*