

StratRegen Retreat 2026



**Karolinska
Institutet**

22–23 October 2026 – Ellery Beach house, Lidingö

Thursday, 22 October

Arrival & Registration Welcome

Session A - *Bioengineering and Biotechnology*

Keynote Speaker - Miki Ebisuya, TU Dresden, Germany

Stem Cell Zoo: a platform for studying species-specific developmental time and shape

Jeroen Goos, Department of Clinical Neuroscience

Click-and-trace: Precision tracking of therapeutic cells using bioorthogonal click chemistry

Rula Zain, Department of Laboratory Medicine

TBA

Session B - *Hematopoietic Stem Cells in Aging, Immunity, and Disease*

Keynote Speaker - Jennifer Trowbridge, The Jackson Laboratory, USA

Drivers of Fitness in Age-Related Clonal Hematopoiesis

Andrea Ponzetta & Magnus Tobiasson, Department of Medicine, Huddinge

TBA

Sten Eirik Jacobsen, Dep. of Medicine, Huddinge; Dep. of Cell and Molecular Biology

***In vivo* Clonal Fate-mapping of Hematopoietic Stem Cells in Mice and Humans**

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Session C - *Selected Talks & Research Resources*

Helena Isla, Department of Clinical Science, Intervention and Technology
Optimizing Retinal Organoid Production for Cell Therapy Transplantation

Margherita Zamboni, Department of Cell and Molecular Biology
Unlocking mammalian regeneration in the spinal cord: insights from the spiny mouse

Session D - *Disease Modelling and Organoids*

Maria Genander, Department of Cell and Molecular Biology
TBA

Eduardo Villablanca, Department of Medicine, Solna
Decoding cellular circuits in intestinal regeneration.

Keynote Speaker - Paola Arlotta, Harvard University, USA
Understanding human neurodevelopmental disease: from embryos to organoids

Poster Sessions

Conference Dinner

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Friday, 23 October

Breakfast

Session E - *Stem Cells in Tissue Maintenance and Regeneration*

Keynote Speaker - Pantelis Rempolas, University of Pennsylvania, USA
In situ reprogramming for regenerative medicine applications

Amanda Andersson Rolf, Department of Medical Biochemistry and Biophysics
TBA

Marco Gerling, Department of Clinical Science, Intervention and Technology
When regeneration fails: parenchymal atrophy at the tumor interface in liver and pancreas

Session F - *Gene and Cell Therapy*

Cecilia Götherström, Department of Clinical Science, Intervention and Technology
TBA

Anders Kvanta, Department of Clinical Neuroscience
Stem cell-derived retinal cells for treatment of retinal degenerations

Keynote Speaker - Sonja Schrepfer, Cedars-Sinai Medical Center, USA
Evading the Immune System: The Evolution and Clinical Translation of Hypoimmune Cells

Closing Remarks