

TENTATIVE SCHEDULE

XRET 2026 SCHEDULE

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FRIDAY OCTOBER 2, 2026 -----

Arrival Check-in at Swope

6:00-8:00 pm Dinner at Swope

Sponsors: Iwaki, Tecniplast and Xenopus One

SATURDAY OCTOBER 3, 2026 -----

7:00-8:40 BREAKFAST

8:40-8:45 Introduction and Welcoming Remarks (Speck Auditorium)
Jennifer Landino, Coral Zhou, James Dewar, Shinuo Weng

Session 1

8:45-9:05 Aaron Zorn - Xenbase

9:05-9:25 Dominique Alfandari - Xenopus antibodies

9:25-9:45 Gary Gorbisky - Hitchhiker's Guide to Xenopus Cell Lines

9:45-10:05 Clayton Speed - Mapping insertion sites in transgenic Xenopus strains

10:05-10:35 COFFEE BREAK

Session 2

10:35-10:55 Thomas Naert - Pythia enables precise and predictable CRISPR-Cas9 genome integration and protein tagging through deep-learning-assisted design of microhomology-based templates

10:55-11:15 Ben Stinson - Elucidating mechanisms of DNA double-strand break repair using Xenopus egg extracts.

11:15-11:35 James Dewar - Proteomic analysis of *Xenopus* nucleoplasmic extract

11:35-11:55 Jade Konsler - Investigating Transcription-Replication Conflicts in Xenopus Egg Extract System

TENTATIVE SCHEDULE

12:00-1:45 LUNCH

Session 3

1:45-2:05 Amy Sater - Modeling TBI in Xenopus

2:05-2:25 Bianca Graziano - Autism Protein STXBP1 at Cilia

2:25-2:45 Swetha Godavarth - Synaptic Reprogramming in the Nervous System

2:45-3:05 Taiyo Yamamoto - Scalable Xenopus workflows for disease modeling

3:05-3:35 COFFEE BREAK

Session 4

3:35-3:55 Anne Carlson - Fertilization-triggered Ca^{2+} elevation in eggs

3:55-4:15 James Ferrell - Trigger waves / reconstitution of transcription

4:15-4:35 Helena Cantwell - Subcellular changes at egg-to-zygote transition

4:35-4:55 Gregory Schwarz - Bulk Actin Assembly on an Artificial Cortex

4:55-5:15 SHORT BREAK

Session 5

5:15-5:35 Tim Mitchison - Quantitative Proteomics of Native Mitotic Spindles

5:35-5:55 Xianrui Cheng - Cytoskeletal History-Dependent Spindle Length Scaling

6:00-8:00 DINNER

KEYNOTE

8:00-9:00 Hiro Funabiki (Rockefeller)

9:00-11:00 MIXER @ Captain Kidd

TENTATIVE SCHEDULE

SUNDAY OCTOBER 4, 2026 -----

7:00-8:45 BREAKFAST

Session 6

8:45-9:05 Matt Good

9:05-9:25

9:25-9:45 Asako Shindo - Morphogenesis

9:45-10:05 Juyeon Hong - An Emerging View of the Extreme Distal Tip

10:05-10:35 COFFEE BREAK

10:35-10:55 Michael McKinney - More than a Model: Veterinary Perspective on
Xenopus Health

11:00-12:00 Junior Strategic Planning

12:00-1:30 LUNCH

1:30-2:30 Strategic Planning (including relay of junior requests)

Session 7

2:30-2:50 Carole LaBonne

2:50-3:10 Adam Session - Genomics

3:10-3:30 Ben Evans - Female sex determination in *X. borealis*

3:30-3:50 Kelly Tseng - Regeneration of the eye

3:50-4:20 COFFEE BREAK

TENTATIVE SCHEDULE

Session 8

- 4:20-4:40 John Young - Science education / gastrulation
- 4:40-5:00 Jia Liu - Bioelectronics
- 5:00-5:20 Jacques Robert
- 5:20-5:40 Catherine Redmond - Differential Keratin Expression in *X. laevis*
- 6:00-8:00 Lobster Dinner

KEYNOTE

- 8:00-9:00 Mustafa Khokha (Cedars Sinai)
- 9:00-11:00 MIXER @ Captain Kidd

MONDAY OCTOBER 5, 2026 -----

- 7:00-9:00 BREAKFAST
- 9:00-10:30 Animal Health and Welfare Workshop
Led by Coral Zhou & Michael McKinney
- 10:30-12:00 Artificial Intelligence in Biomedical Research Workshop
Led by James Dewar
**materials will be available asynchronously for all conference attendees to ensure access to those who may need to depart early*
- 12:00 LUNCH AND DEPARTURE