

## TENTATIVE SCHEDULE

### XRET 2026 SCHEDULE

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#### FRIDAY OCTOBER 2, 2026

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**Arrival      Check-in at Swope**

6:00-8:00 pm    Dinner at Swope

#### SPONSORS

**Iwaki, Tecniplast and Xenopus One**

#### SATURDAY OCTOBER 3, 2026

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**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 Gorbsky - 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<sup>2+</sup> 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**

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**7:00-8:45**

**BREAKFAST**

### **Session 6**

8:45-9:05 Matt Good

9:05-9:25 Coral Zhou- A Telomere-to-Telomere Assembly of the *X. laevis* Genome

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

10:55-11:15 Peter Walentek - Models and resources for mucociliary research in *Xenopus*

**11:15-12:15**

**Junior Strategic Planning**

**12:15-1:30**

**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** 

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**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**