2023 Southern California Zebrafish Meeting

11:00am – 11:10am  Welcome Remarks  
Thomas Schilling

SESSION 1 – Session Chair: Dae Seok Eom

11:10am – 11:30am  Neurodevelopment of Collective Behavior in Danionella Cerebrum  
Matthew Lovett-Barron, UC San Diego

11:30am – 11:50am  Pollutant Induced Calcium Signaling Disruption Across Biological Endpoints  
Erika Holland, CSU Long Beach

11:50am – 12:10pm  Interleukin-17 Regulates Epidermal Remodeling via Keratinocyte Cytonemes  
Yi Wang, UC Irvine

12:10pm – 12:30pm  Understanding Bacterial Neuroinvasion in a Zebrafish Model of Tuberculosis Meningitis  
Megan Hayes, UC San Diego

12:30pm – 02:00pm  Lunch and Poster Session

SESSION 2 – Session Chair: Travis Wiles

02:05pm – 02:25pm  Life, Death, & Symbiosis: Exploring the Nested Life Cycles of Viruses and Bacteria in the Gut  
Travis Wiles, UC Irvine

02:25pm – 02:45pm  Adm-ELK3 Signaling Regulates Cardiac Lymphatic Vessel Formation in Zebrafish Heart Development and Regeneration  
Xidi Feng, USC, Children's Hospital Los Angeles
02:45pm – 03:05pm  Tendon Heterogeneity in the Zebrafish Embryo: Looking to the Eye for Differences in Tissue Specific Attachments
    Cameron Miller, UC Irvine

03:05pm – 03:25pm  Dissecting the Requirement of atoh1a Enhancers During Zebrafish Inner Ear Hair Cell Development and Regeneration
    Tuo Shi, USC

03:25pm – 03:45pm  Patterned Distribution of Hyaluronic Acid in the Cardiac Atrioventricular Canal Is Regulated by Smarcc1a
    Ivy Fernandes, UC San Diego

03:45pm – 04:15pm  Coffee Break and Poster Session

**SESSION 3 – Session Chair: Michael Parsons**

04:20pm – 04:40pm  Resolving Mechanisms of Growth Control at Cranial Sutures
    D'Juan Farmer, UCLA

04:40pm – 05:00pm  Regulatory Networks Involved in Meninges Development
    Ayyappa Raja Desingu Rajan, CalTech

05:00pm – 05:20pm  Integrative Single-Cell Profiling, Lineage Barcoding, and Enhancer Testing Provides a Life History of Cranial Neural Crest Cells
    Kuo-Chang Ted Tseng, USC

05:20pm – 05:40pm  Visualizing Host-Pathogen Interactions in a Zebrafish Model of Group B Streptococcus Meningitis
    Sumedha Ravishankar, UC San Diego

05:40pm – 06:00pm  The Extrahepatic Duct as a Novel Source of Liver Stem Cells
    Sophie Hao, Sanford Burnham Prebys Medical Discovery Institute

06:00pm – 06:10pm  Adjourn
    Thomas Schilling

06:10pm – 07:10pm  Reception and Social Networking
POSTER PRESENTATION

Retinoic Acid Promotes Cartilage Regeneration in Zebrafish - Claire Arata, USC

Bacterial Transmission Dynamics in a Zebrafish Model - Maria Banuelos, UC Irvine

Investigating the Role of Lgrs in Mouse and Zebrafish Jaw Connective Tissue Stem Cells - Arshia Bhojwani, USC

Elucidating the Role of Rhomboid Proteases in a Zebrafish Wound Healing Model - Saroj Gourkanti, UC San Diego

Hand2 Plays at Least Two Distinct Roles in Promoting Cardiomyocyte Production - Deepam Gupta, UC San Diego

The Extrahepatic Duct as a Novel Source of Liver Stem Cells - Sophie Hao, Sanford Burnham Prebys

Understanding Bacterial Neuroinvasion in a Zebrafish Model of Tuberculosis Meningitis - Megan Hayes, UC San Diego

Organophosphate Ester-Induced Pericardial Edema in Embryonic Zebrafish - John Hoang, UC Riverside

Role of Pitx Genes in Craniofacial Development - Muniza Junaid, USC

Swimming Motility of a Gut Bacterial Symbiont Induces System-Wide Immune Signaling - Courtney Knitter, UC Irvine

Twist1 Genes Play Overlapping Roles in Promoting Forelimb Outgrowth in Zebrafish - Abby Lee, UC San Diego

Cartilage Regeneration at Facial Joints in Zebrafish - Oluchi Ofoegbu, USC

Characterizing Whole-Brain Neuronal Seizures in Live Zebrafish with Fourier Light Field Microscopy - Lauro Sebastian Ojeda, USC

Persistent Stimulus-Evoked Neural Activity and Behavior - Grace Padilla, UC San Diego

Drivers of Vessel Progenitor Fate Define Intermediate Mesoderm Dimensions by Inhibiting Kidney Progenitor Specification - Elliot Perens, UC San Diego

Regulatory Networks Involved in Meninges Development - Ayyappa Raja Desingu Rajan, Caltech
Visualizing Host-Pathogen Interactions in a Zebrafish Model of Group B Streptococcus Meningitis - Sumedha Ravishankar, UC San Diego

BMP Signaling Promotes Cardiac Inflow Tract Formation - Rhea-Comfort Robertson, UC San Diego

Comparative Multiomics Reveals Ancient Gill Origin of Mammalian Outer Ear - Mathi Thiruppathy, USC

Integrative Single-Cell Profiling, Lineage Barcoding, and Enhancer Testing Provides a Life History of Cranial Neural Crest Cells - Kuo-Chang Ted Tseng, USC

Effects of TBBPA on DREAM-regulated Transcription in Adult Danio rerio - Kameron Wong, CSU Long Beach