

ZEBRAFISH HUSBANDRY WORKSHOP • Aquaculture 2018 • Las Vegas

Sponsored by **AQUANEERING**

Paris Las Vegas CONCORDE B

Tuesday February 20 - ZHA ANNUAL MEETING – 11:00 – 12:00

Tuesday February 20, 2018

Attendees qualify for 10 CE Credits through AALAS –Please sign in on the Attendance Sheet

11:00 – 12:00 <ZHA ANNUAL MEETING>

12:30 – 1:30 Lunch

2:00 – 2:45 INTRODUCTION *Mark Francis/Aquaneering*
ZHA UPDATE & Stewardship Award *Ana Catarina Certal/ZHA President*
ZIRC UPDATE *Katy Murray/ZIRC*
ZEBRAFISH HUSBANDRY TRAINING UPDATE *Susan Farmer/U Alabama Birmingham*
WAVMA RACE Veterinary CE *George Sanders/U Washington*

ZHA SESSION – Coordinated by ZHA

2:45 – 3:05 A Low Cost Method of Skin Swabbing for Collection of DNA Samples from Small Laboratory Fish
Carl Breacker/University of Leicester

3:05 – 3:25 A Burgeoning New Fish Model: The Science and Husbandry of the Mexican Cavefish *Astyanax mexicanus*
Dan Castranova/NIH

3:25 – 3:45 Development of a Novel Sperm Ultra-Fast Freezing Cryopreservation Procedure
Ana Catarina Certal/Champalimaud Center for the Unknown

3:45 – 4:05 The Laboratory Zebrafish Environment in 2017: Community Survey Results
Dante Michael D'India/Harvard Medical School

4:05 – 4:25 Food Conversion Ratios: A Strategy for Food Substitutions
Maurine Hobbs/University of Utah

4:25 – 4:45 Tipping the Scale in our Favor: How Body Conditions Scoring, Standardized Health Assessment, and Sentinel Monitoring Can Reduce Disease Burden in a Large Scale non-SPF Facility
Lauren Pandolfo/NIH

Wednesday February 21, 2018

FISH DISEASES SESSION – Coordinated by Dr. Michael Kent/Oregon State University

8:30 – 9:00 **Impact of Supplemental Agents on Development and Survival of Chlorine-Sanitized Zebrafish Embryos**
Samantha Peneyra/New York University Langone Health

9:00 – 9:20 Supersaturation and Gas Bubble Disease in Laboratory Zebrafish
Katy Murray/Zebrafish International Resource Center

9:20 – 9:40 Plumbing the Depths: Histology as a Resource for Diagnostics and Discovery
Sean Spagnoli/Oregon State University

9:40 – 10:00 Advances in Zebrafish Health Monitoring
Marcus Crim>IDEXX

10:00 – 10:30 **BREAK**

10:30 – 11:00 Update on control of *Pseudocapillaria tomentosa* in zebrafish facilities
Michael Kent/Oregon State

GENERAL WORKSHOP SESSION – Coordinated by Aquaneering

11:00 – 11:20 Emergency Preparedness for Zebrafish Facilities
Christine Lieggi/Weill Cornell Medical College

11:20 – 11:40 Buddy Fish
Kathy Snell/University of Oregon

11:40 – 12:00 Genotyping Fin Clips at 14dpf
Megan Matsutani/University of Southern California

12:00 – 12:20 T.B.D.

12:20 – 1:30 **LUNCH**

KEYNOTE SPEAKER

1:30 – 2:30 **Zebrafish Husbandry: The Behavioral Neuroscientist's Perspective**
Dr. Robert Gerlai/University of Toronto Mississauga

2:30 – 3:00 Vaterite Otoliths and Hearing Loss in Farmed Fish
Tormey Reimer/Pacific States Marine Fisheries Commission

3:00 – 3:30 Single Cell Proteins as Fish Meal Replacements in Semi-Purified Zebrafish Diets
Steve Watts/University of Alabama Birmingham

3:30 – 3:45 **BREAK**

3:45 – 4:15 Overview of Impacts of Common Pathogens on Research Endpoints
Justin Sanders/Oregon State University

4:15 – 4:30 **IZFS Intro and Comments**

4:30 – 6:30 **TOWN HALL MEETING – Maintaining Momentum: Solidifying the Foundation for Identifying and Meeting the Needs of the Zebrafish Research Community**

The Town Hall Meeting is sponsored by Aquaneering, FishVet Group, IDEXX, Skretting, and Zeigler

