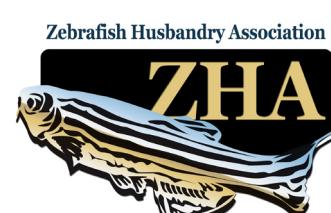


Zebrafish Husbandry Workshop • Aquaculture 2020 • Honolulu, Hawai'i

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Monday, February 10th

Fish Diseases Session—Coordinated by Dr. Michael Kent/Oregon State University

8:30–8:50 Veterinary Evaluation and Management of Common Zebrafish (*Danio rerio*) Diseases as It Relates to Your Colony
Christine Lieggi/MSK/WCM/HSS

8:50–9:10 Mycobacteriosis in Zebrafish Facilities - Strategies for Diagnostic Testing and Interpretation of Results
Justin Sanders/Oregon State and Katy Murray/University Oregon/ZIRC

9:10–9:30 In Sickness and In Health: Management Challenges of an Infectious Diseases Lab
Colleen Al-Samarrie/Oregon State University

9:30–9:50 Utilizing Droplet Digital: the Secret Weapon to Address Microsporidian Infections in Laboratory Zebrafish
Corbin Jaid Schuster

9:50–10:10 A Study of Commercial Zebrafish Suppliers for Comparative Research Studies: Updates
Sean Spagnoli/Oregon State University

10:10–10:30 Pseudocapillaria Tomentosa As A Strong Promoter of Intestinal Neoplasms in Laboratory Zebrafish
Michael Kent/Oregon State

10:30–11:00 **Break**

11:00–12:30 ZHA Annual Meeting
ZHA Update and Stewardship Award
Rory Francis/ZHA President
ZIRC Update
Katy Murray/ZIRC
Zebrafish Husbandry Training Update
Susan Farmer/University of Alabama Birmingham
WAVMA RACE Veterinary CE
George Sanders/University of Washington

Lunch

1:30–1:40 Introduction
Mark Francis/Aquaneering

ZHA Session—Coordinated by ZHA

1:40–2:00 Fish Weight: Result or Variable?
Maurine Hobbs/University of Utah

2:00–2:20 Genotyping Methods and the 3 Rs
Claire Allen/Sheffield University

2:20–2:40 Zebrafish Colony Treatment for Pseudocapillaria Tomentosa Using Fenbendazole Gut-Loaded Artemia Nauplii
Jim Burris/Duke University

2:40–3:00 Dysmorphology and Locomotor Activity Assessment in Larval Zebrafish (*Danio rerio*)
Joan Hedge/US EPA

3:00–3:20 Managing a Multi-User Zebrafish Facility: Collaborations and Compromises
Christine Archer/University of Colorado AMC

3:20–3:40 Developing Strategies for Super-Mendelian Inheritance in Zebrafish and Implications for Husbandry Practices
Tami V. Sanchez/UCSD

Invited Speaker

3:40–4:00 Emerging and Increasingly Complex Research Endeavors Conducted with Zebrafish (*Danio rerio*) and the Need for Veterinary Care and Oversight
George Sanders/University of Washington

4:15 Meet at Pickup Location for Aquaneering Cocktail Cruise

5:15–7:15 Aquaneering Cocktail Cruise

Tuesday, February 11th

8:30–8:55 Management Systems and Recordkeeping
ZHA-Coordinated Basic Husbandry Unit/Stephen Canter/ZHA

8:55–9:20 Breeding and Colony Management
ZHA-Coordinated Basic Husbandry Unit/Claire Allen/Sheffield University

9:20–9:40 The Timing of First Feeding and Prey Density Impacts Survival in Larval Zebrafish-Rotifer Polycultures
Amy Kolb/Boston Children's Hospital

9:40–10:00 Viability of Intact, Pre-Killed Rotifers As an Alternative First Feed for Zebrafish Fry
Andrew Wegerski/NIH

10:00–10:30 **Break**

10:30–10:50 Customized Feeding Practices in an Academic Zebrafish Core
Peggy Hubley/Penn State

10:50–11:20 Diet and Feeding Regimens
ZHA-Coordinated Basic Husbandry Unit/Maurine Hobbs/University of Utah

11:20–11:40 Breeding in Boxes, is it Ethical?
Paul Barwood/University College London

11:40–12:00 The Effects of Population Density and Environmental Complexity on Aggressive Behavior of Zebrafish
Ted Plemmons/NIH

12:00–12:30 Behavior and Welfare Indicators
ZHA-Coordinated Basic Husbandry Unit/Kathy Snell/University of Oregon

12:30–1:30 **Lunch**

General Workshop Session—Coordinated by Aquaneering

Keynote Speaker

1:30–2:20 Using Technology for Conservation: Zebrafish Embryos to Coral Larvae
Dr. Mary Hagedorn/Smithsonian Institute/Hawaii Institute of Marine Biology

Contest Winners

2:20–2:40 Zebrafish Husbandry in a Small Liberal Arts College
Contest Winner Hyuna Lee/Biola University

2:40–3:00 Zebrafish Show Stable and Ranked Preferences for Different Environmental Enrichments
Contest Winner J. Michelle Lavery/University of Guelph

3:00–3:30 **Break**

3:30–3:50 Zebrafish Aquaponics - A Preliminary Assessment of Benefits and Risks of Growing SPF Micro-Greens in a Research Zebrafish Recirculating Rack
Jeff Wyatt/University of Rochester

3:50–4:10 Pandas and Python on Jupiter? Data Collection Alternatives for Reliable Research Results
William James/University of Utah

4:10–4:30 To Standardize or Not to Standardize – Achievable Reality or Impossible Dream?
Carole Wilson/University College London

4:30–5:00 Intrinsic and Extrinsic Factors that Affect the Zebrafish (*Danio rerio*) Model and How to Recognize and Consider Potential Impacts
Christine Lieggi/MSK/WCM/HSS and George Sanders/University of Washington

5:00–6:30 **Town Hall Meeting - Sponsored by Aquaneering**

Attendees
qualify for 10
CE Credits through
AALAS. Please
sign in on the
attendance sheet

Talks marked
with an * asterisk
also qualify for
WAVMA/Race CE
(pending)