



Sponsored by Aquaneering



Monday, February 10th

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

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| 8:30– 8:50    | Veterinary Evaluation and Management of Common Zebrafish ( <i>Danio rerio</i> ) Diseases as It Relates to Your Colony<br>Christine Lieggi/MSK/WCM/HSS                                                                                                                                                  |
| 8:50 – 9:10   | Mycobacteriosis in Zebrafish Facilities - Strategies for Diagnos tic Testing and Interpretation of Results<br>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<br>Colleen Al-Samarrie/Oregon State University                                                                                                                                                                          |
| 9:30 – 9:50   | Utilizing Droplet Digital : the Secret Weapon to Address Microsprodian Infections in Laboratory Zebrafish<br>Corbin Jaid Schuster                                                                                                                                                                      |
| 9:50 – 10:10  | A Study of Commercial Zebrafish Suppliers for Comparative Research Studies: Updates<br>Sean Spagnoli/Oregon State University                                                                                                                                                                           |
| 10:10 – 10:30 | Pseudocapillaria Tomentosa As A Strong Promoter of Intestinal Neoplasms in Laboratory Zebrafish<br>Michael Kent/Oregon State                                                                                                                                                                           |
| 10:30 – 11:00 | <b>Break</b>                                                                                                                                                                                                                                                                                           |
| 11:00 – 12:30 | ZHA Annual Meeting<br><br>ZHA Update and Stewardship Award<br>Rory Francis/ZHA President<br><br>ZIRC Update<br>Katy Murray/ZIRC<br><br>Zebrafish Husbandry Training Update<br>Susan Farmer/University of Alabama Birmingham<br><br>WAVMA RACE Veterinary CE<br>George Sanders/University of Washington |
| 12:30 – 1:30  | <b>Lunch</b>                                                                                                                                                                                                                                                                                           |
| 1:30 - 1:40   | Introduction<br>Mark Francis/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)

ZHA Session – Coordinated by ZHA

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| 1:40 - 2:00 | Fish Weight: Result or Variable?<br>Maurine Hobbs/University of Utah                                                                  |
| 2:00 – 2:20 | Genotyping Methods and the 3 Rs<br>Claire Allen/Sheffield University                                                                  |
| 2:20 – 2:40 | Zebrafish Colony Treatment for Pseudocapillaria Tomentosa Using Fenbendazole Gut-Loaded Artemia Nauplii<br>Jim Burris/Duke University |
| 2:40 – 3:00 | Dysmorphology and Locomotor Activity Assessment in Larval Zebrafish ( <i>Danio rerio</i> )<br>Joan Hedge/US EPA                       |
| 3:00 – 3:20 | Managing a Multi-User Zebrafish Facility: Collaborations and Compromises<br>Christine Archer/University of Colorado AMC               |
| 3:20 – 3:40 | Developing Strategies for Super-Mendelian Inheritance in Zebrafish and Implications for Husbandry Practices<br>Tami V. Sanchez/UCSD   |

Invited Speaker

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|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3:40 – 4:00 | Emerging and Increasingly Complex Research Endeavors Conducted with Zebrafish ( <i>Danio rerio</i> ) and the Need for Veterinary Care and Oversight<br>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

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|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 8:30 – 8:55   | Management Systems and Recordkeeping<br>ZHA-Coordinated Basic Husbandry Unit/Stephen Canter/ZHA                                               |
| 8:55 – 9:20   | Breeding and Colony Management<br>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<br>Amy Kolb/Boston Children's Hospital |
| 9:40 – 10:00  | Viability of Intact, Pre-Killed Rotifers As an Alternative First Feed for Zebrafish Fry<br>Andrew Wegerski/NIH                                |
| 10:00 – 10:30 | Break                                                                                                                                         |
| 10:30 – 10:50 | Customized Feeding Practices in an Academic Zebrafish Core<br>Peggy Hubley/Penn State                                                         |
| 10:50 – 11:20 | Diet and Feeding Regimens<br>ZHA-Coordinated Basic Husbandry Unit/Maurine Hobbs/University of Utah                                            |
| 11:20 – 11:40 | Breeding in Boxes, is it Ethical?<br>Paul Barwood/University College London                                                                   |
| 11:40 – 12:00 | The Effects of Population Density and Environmental Complexity on Aggressive Behavior of Zebrafish<br>Ted Plemmons/NIH                        |
| 12:00 – 12:30 | Behavior and Welfare Indicators<br>ZHA-Coordinated Basic Husbandry Unit/Kathy Snell/University of Oregon                                      |
| 12:30 – 1:30  | <b>Lunch</b>                                                                                                                                  |

General Workshop Session – Coordinated by Aquaneering

Keynote Speaker

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|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1:30 – 2:20 | <b>Using Technology for Conservation: Zebrafish Embryos to Coral Larvae</b><br><b>Dr. Mary Hagedorn/Smithsonian Institute/Hawaii Institute of Marine Biology</b> |
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Contest Winners

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| 2:20 – 2:40 | Zebrafish Husbandry in a Small Liberal Arts College<br>Contest Winner Hyuna Lee/Biola University                                                                                                                       |
| 2:40 – 3:00 | Zebrafish Show Stable and Ranked Preferences for Different Environmental Enrichments<br>Contest Winner J. Michelle Lavery/University of Guelph                                                                         |
| 3:00 – 3:30 | <b>Break</b>                                                                                                                                                                                                           |
| 3:30 – 3:50 | Zebrafish Aquaponics - A Preliminary Assessment of Benefits and Risks of Growing SPF Micro-Greens in a Research Zebrafish Recirculating Rack<br>Jeff Wyatt/University of Rochester                                     |
| 3:50 – 4:10 | Pandas and Python on Juypiter? Data Collection Alternatives for Reliable Research Results<br>William James/University of Utah                                                                                          |
| 4:10 – 4:30 | To Standardise or Not to Standardize – Achievable Reality or Impossible Dream?<br>Carole Wilson/University College London                                                                                              |
| 4:30 – 5:00 | Intrinsic and Extrinsic Factors that Affect the Zebrafish ( <i>Danio rerio</i> ) Model and How to Recognize and Consider Potential Impacts<br>Christine Lieggi/MSK/WCM/HSS and George Sanders/University of Washington |
| 5:00 – 6:30 | <b>Town Hall Meeting - Sponsored by Aquaneering</b>                                                                                                                                                                    |

