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*
Sian 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 Lunch

11:00 – 12:30 Break

12:30 – 1:30 ZHA Annual Meeting

ZHA Update and Stewardship Award
Rory Francis/ZHA President
ZIRC Update
Katy Murray/ZIRC

WAVMA RACE Veterinary CE

George Sanders/University of Washington

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

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/Shelfield University

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

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

3:00 – 3:20 Managing a Multi-Use 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*
Tari V. Sanchez/UICSD

3:40 – 4:00 Invited Speaker

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

415 Meet at Pickup Location for Aquaneering Cocktail Cruise

515 – 715 Aquaneering Cocktail Cruise

Tuesday, February 11th

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

8:55 – 9:20 Breeding and Colony Management
ZHA-Coordinated Basic Husbandry Unit/Claire Allen/Shelfield 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 Wegierski/NIH

10:00 – 10:30 Break

10:30 – 10:50 Customized Feeding Practices in an Academic Zebrafish Core
Peggy Hubay/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 Pleinmons/NIH

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

12:30 – 1:30 Lunch

General Workshop Session – Coordinated by Aquaneering

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

1:30 – 2:40 Contest Winners

Contest Winner Hyuna Lee/Biola University

Contest Winner J. Michelle Laverty/University of Guelph

2:40 – 3:00 Zebrafish Show Stable and Ranked Preferences for Different Environmental Enrichments*
William James/University of Utah

3:00 – 3:30 Break

Jeff Wyatt/University of Rochester

3:50 – 4:10 Pandas and Python on Jupyter? Data Collection Alternatives for Reliable Research Results
Carole Wilson/University College London

4:10 – 4:30 To Standardize or Not to Standardize – Achievable Reality or Impossible Dream?
Christine Lieggi/MSK/WCM/HSS and George Sanders/University of Washington

4:30 – 5:00 Intrinsic and Extrinsic Factors that Affect the Zebrafish (Danio rerio) Model and How to Recognize and Consider Potential Impacts*

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