

ZEBRAFISH HUSBANDRY WORKSHOP - Aquaculture 2013

Friday, Feb 22 and Saturday, Feb 23 - Nashville, TN

Friday February 22, 2013 ZHA ANNUAL MEETING 11:30 FOLLOWED BY LUNCH 12:00 - 1:00

1:30 – 1:45 INTRODUCTION Mark Francis/Aquaneering
ZHA UPDATE Lauren Pandolfo/ZHA President
ZIRC UPDATE Zoltan Varga/ZIRC

KEYNOTE SPEAKER - Dr. Arthur Popper

1:45 – 2:15 FISH AND ACOUSTICS – AN OVERVIEW
Arthur Popper/University of Maryland
2:15 – 2:40 ACOUSTICS AND ZEBRAFISH REPRODUCTION AND STRESS
Arthur Popper/University of Maryland
2:40 – 3:00 TBD
Speaker TBD
3:00 – 3:30 **BREAK**
3:30 – 3:50 OVERVIEW OF A CENTRALLY MANAGED BI-INSTITUTIONAL AQUATICS PROGRAM
Christine Lleggi / Memorial Sloan Kettering Cancer Center
3:50- 4:10 EFFICIENT WAYS TOWARDS A BETTER ZEBRAFISH FACILITY
Al Mahagaonkar/University of Aukland

FISH DISEASES PART I – Coordinated by Dr. Michael Kent

4:15 – 4:30 EFFICACY OF MEDICATED FEED TREATMENTS FOR E. ICTALURI INFECTIONS IN ZEBRAFISH
John P. Hawke / LSU School of Veterinary Medicine
4:30 – 4:45 PRELIMINARY EVIDENCE WITH PANACUR FOR TREATING MICROSPORIDIA
Robert Wagner/University of Pittsburgh
4:45 – 5:00 TRANSMISSION CHARACTERISTICS OF pseudoloma neurophilia IN THE ZEBRAFISH, danio rerio
Justin Sanders / Oregon State University
5:00 – 5:15 A DESCRIPTIVE PROFILE OF INTESTINAL NEOPLASIA IN LABORATORY ZEBRAFISH (Danio rerio)
Collen E. Paquette / Oregon State University
5:15 – 5:30 Pseudoloma HOST SUSCEPTIBILITY
Virginia Watral/Oregon State University

Saturday February 23, 2013

ZEBRAFISH AND AQUACULTURE

8:30 – 8:45 STIMULATION OF GROWTH BY MELANOCORTIN-4 RECEPTOR (MC4R) BLOCKADE: POTENTIAL APPLICATIONS IN AQUACULTURE
Chao Zhang / Vanderbilt University
8:45 – 9:00 OVERNUTRITION INDUCES PANCREATIC β CELL NEOGENESIS THROUGH PERSISTENT KATP CHANNEL CLOSURE AND ER STRESS IN ZEBRAFISH
Mingyu Li/Vanderbilt University
9:00 – 9:20 DEVELOPMENT OF A HIGH-THROUGHPUT ASSAY TO MONITOR METABOLIC RATE IN ZEBRAFISH: FUTURE IMPACT IN AQUACULTURAL SPECIES
B.J. Renquist / University of Arizona
9:20 – 9:40 AN INNOVATIVE, CHEMICAL-FREE ELECTROSEDATION TECHNOLOGY FOR THE ANESTHETIZATION OF LABORATORY ZEBRAFISH AND CULTURED LARVAL FISH
Burger / Smith-Root Inc
9:40 – 10:00 ZEBRAFISH: THEIR KITH AND KIN
Bill Trevarrow/Eugene Research Aquatics
10:00 – 10:30 **BREAK**

FISH DISEASES PART II – Coordinated by Dr. Michael Kent

10:30 – 10:45 M. marinum IN ZEBRAFISH AND RISKS OF MATERNAL TRANSMISSION
Michael Kent / Oregon State University
10:45 – 11:00 MOLECULAR DIAGNOSTIC TESTS FOR THE LABORATORY ZEBRAFISH danio rerio
Marcus J. Crim / University of Missouri
11:00 – 11:15 MYCOBACTERIA – CHLORINE TREATMENTS, AND RESULTS FROM “CLEANING UP” A FACILITY
Chris Whipps /SUNY
11:15 – 11:30 BIOSECURITY AT ZIRC: ADAPTING TO NEW PATHOGENS AND IMPORT STRATEGIES
Katy Murray/ZIRC
11:30 – 11:50 CONTROLLED CHLORINE DISINFECTION WITH EGGS
Kara Maloney/Children’s Hospital Boston
11:50 – 12:10 COMPARISON OF DISINFECTING AGENTS FOR ZEBRAFISH (Danio rerio) EGGS
Mickie Powell/University of Alabama Birmingham
12:10 – 12:30 STARTLE RESPONSE IN AB vs. TUBINGEN ZEBRAFISH
Zoltan Varga/ZIRC

12:30 – 1:30 LUNCH

NUTRITION MINI-SESSION

1:30 – 1:50 EVALUATING THE EFFECT OF ZEBRAFISH LARVAL DIET ON GENERATION TIME, SEX RATIO AND REPRODUCTIVE OUTPUT
Angela Lawton/University of Queensland
1:50 – 2:10 THE FOOD VARIABLE: THE LACK OF DIETARY STANDARDIZATION AND THE EFFECT ON RESEARCH OUTCOMES
Carrie Barton / Oregon State University
2:10 – 2:30 DIETARY PROTEIN SOURCE INFLUENCE ON GROWTH AND BODY COMPOSITION IN ZEBRAFISH
Stephen Watts / University of Alabama
2:45 – 3:00 **BREAK**
3:00 – 3:20 AN UPDATE ON ZEBRAFISH HUSBANDRY EDUCATION EFFORTS BY GADSDEN STATE COMMUNITY COLLEGE, THE UNIVERSITY OF ALABAMA AT BIRMINGHAM, AND A COMMUNITY OF SCHOLARS
Hugh Hammer / Gadsden State Community College
3:20 – 3:50 AALAS CERTIFICATION AND CERTIFICATE PROGRAMS – THE FUTURE OF TECH TRAINING?
Sally Westlake/AALAS
3:50 – 4:10 Speaker TBD
4:10 – 4:30 PANEL DISCUSSION moderated by ZHA President Lauren Pandolfo
4:30 – 6:30 **TOWN HALL MEETING**