

ZEBRAFISH HUSBANDRY WORKSHOP

Wednesday, February 29th and Thursday, March 1st, 2012

WEDNESDAY FEBRUARY 29TH 2012

2:00 – 2:15 PM INTRODUCTION *Mark Francis / Aquaneering*
ZHA UPDATE *Lauren Pandolfo / ZHA President Elect*
ZIRC UPDATE

FISH DISEASES PART I – Coordinated by Dr. Michael Kent

2:15 – 2:40 PM THE EFFECTS OF IMMUNE SUPPRESSION BY LETHAL IRRADIATION ON TISSUE DISTRIBUTION OF *Pseudoloma Neurophilum* IN ZEBRAFISH
Justin L. Sanders / Oregon State University

2:40 – 3:00 PM MANAGING AN INFESTATION OF *P. TOMENTOSA* IN A ZEBRAFISH RESEARCH FACILITY
Angela Lawton / University of Queensland

3:00 – 3:15 PM **BREAK**

3:15 – 3:40 PM THE SEARCH FOR A *SAFE, EFFICIENT* and *EFFECTIVE* EMBRYO BLEACHING PROTOCOL
Cari Buchner /

PEER SUBMITTED and REVIEWED PORTION OF THE PROGRAM – Coordinated by ZHA

3:45 – 4:15 PM A METHOD FOR CULTURING SALTWATER ROTIFERS (*Brachionus plicatilis*) FOR REARING LARVAL ZEBRAFISH
Eric Sanders

4:15 – 4:45 PM FORMAL DETERMINATION OF TIME FOR SEXUAL MATURITY IN ZEBRAFISH (*Danio rerio*) AND MEDAKA (*Oryzias latipes*)
Isaac Adatto

4:45 – 5:15 PM ARCHITECTURAL DESIGN AND CONSTRUCTION OF A NEW ZEBRAFISH RESEARCH FACILITY IN AN EXISTING LABORATORY BUILDING
Matthew Fickett

THURSDAY MARCH 1ST 2012

FISH DISEASES PART II – Coordinated by Dr. Michael Kent

8:30 – 8:55 AM EDWARDSIELLOSIS CAUSED BY *Edwardsiella ictaluri* IN LABORATORY POPULATIONS OF ZEBRAFISH *Danio rerio*
John P. Hawke / LSU School of Veterinary Medicine

8:55 – 9:20 AM MYCOBACTERIOSIS IN ZEBRAFISH: Does Species Matter?
Julie White / Memorial Sloan-Kettering Cancer Center, Weill Cornell Medical College and The Rockefeller University

9:20 – 9:45 AM GI TUMORS
Colleen Pacquette / Oregon State

9:45 – 10:15 AM COMPARISON OF FIXATIVES AND FIXATION TIMES ON PCR AMPLIFICATION AND DETECTION OF *Mycobacterium marinum* AND *Mycobacterium chelonae* DNA IN PARAFFIN-EMBEDDED ZEBRAFISH TISSUES
Trace Peterson / Oregon State University

10:15 – 10:30 AM **BREAK**

10:30 – 10:55 AM MONEY DOWN THE DRAIN? Comparing Incoming Water Sources for Aquatic Research Housing Systems
Kendra Minkler / Aquaneering

11:00 – 11:25 AM FACILITY DESIGN TO SUPPORT RAPID IN VIVO SCREENING AT THE SINNHUBER AQUATIC RESEARCH LABORATORY
Carrie Barton / Oregon State University

11:30 – 12:30 PM SPEAKER TO BE ANNOUNCED

12:30 – 1:30 PM **LUNCH**

NUTRITION MINI-SESSION

1:30 – 1:50 PM THE EFFECTS OF FEEDING FREQUENCY ON GROWTH, SURVIVAL AND REPRODUCTION IN ZEBRAFISH (*Danio rerio*)
*Jason Best / Children's Hospital Boston *ZHA Presentation*

1:50 – 2:10 PM WHAT DO I WANT TO EAT? ... Testing the Success of Larval Diets and Examining the Impact of Larval Diet on Zebrafish Growth
*Lauren Pandolfo / UCSD *ZHA Presentation*

2:10 – 2:30 PM INVESTIGATING THE RELATIONSHIP OF DIET TO DISEASE USING THE ZEBRAFISH (*Danio rerio*) AS A MODEL ORGANISM
Mickie Powell / UAB

2:30 – 2:50 PM AQUANOMICS: Potential Application of Nutritional Strategies for Manipulating Fish Gene Expression
Steven R. Craig / Virginia Tech Aquaculture

2:50 – 3:15 PM **PANEL DISCUSSION: Zebrafish Nutrition**
Moderator: Bill Trevarrow / Eugene Research Aquatics

3:15 – 3:30 PM **BREAK**

3:30 – 4:00 PM AN UNEXPECTED TREMATODE INFECTION CASTS DOUBT ON CLAIM OF "LABORATORY-REARED" EXPERIMENTAL ZEBRAFISH (*Danio rerio*)
Stephen A. Bullard / Auburn University

4:00 – 4:30 PM DOCUMENTED AND POTENTIAL RESEARCH IMPACTS OF SUBCLINICAL DISEASES IN ZEBRAFISH
Michael Kent / Oregon State University

4:30 – 6:30 PM **TOWN HALL MEETING**

