



# Fish Health Section



The official link to the FHS website is: <http://www.afs-fhs.org/>

## FHS NEWS

**JUST A REMINDER, THE REGUAL REGISTRATION DEADLINE IS COMING SOON  
– AFTER JULY 31 REGISTRATION RATES WILL INCREASE..**



**Seventh International Symposium on Aquatic Animal Health**

**AUGUST 31 - SEPTEMBER 5, 2014**

**PORTLAND, OREGON**



The **International Symposium on Aquatic Animal Health** has been held every four years since the first meeting in Vancouver in 1988. This symposium is a great opportunity to interact with fellow aquatic animal health professionals from around the world. The best of Portland and our global ISAAH community await you!

Please visit the ISAAH-7 website for more information:

<http://isaah-7.science.oregonstate.edu/>

## **MENTORS REQUESTED AT ISAAH**

The Student Subsection is looking for mentors to participate in the student mentoring workshop at ISAAH-7. The workshop is scheduled for Monday, September 1<sup>st</sup>, from 6-9 pm at the Hilton. Appetizers and drinks will be provided to all participants.

We're looking for professionals from academia, industry, federal and state agencies, and post-docs. If you'd like to participate, please contact Amy Long at [longam@onid.orst.edu](mailto:longam@onid.orst.edu) to register.

## STUDENT MEMBERS

ISAAC-7 - <http://isaah-7.science.oregonstate.edu/students>

## JOURNAL OF AQUATIC ANIMAL HEALTH

Volume: 26, Number: 2

Relationship between Permeability Glycoprotein (P-gp) Gene Expression and Enrofloxacin Metabolism in Nile Tilapia (p. 59-65)

*Kun Hu, Gang Cheng, Haixin Zhang, Huicong Wang, Jiming Ruan, Li Chen, Wenhong Fang, Xianle Yang*

Investigation of the Link between Broodstock Infection, Vertical Transmission, and Prevalence of *Flavobacterium psychrophilum* in Eggs and Progeny of Rainbow Trout and Coho Salmon (p. 66-77)

*Amy Long, Douglas R. Call, Kenneth D. Cain*

Susceptibility of Koi and Yellow Perch to Infectious Hematopoietic Necrosis Virus by Experimental Exposure (p. 78-83)

*Alexander D. Palmer, Eveline J. Emmenegger*

Risk Factors Associated with Enteric Septicemia of Catfish on Mississippi Commercial Catfish Farms (p. 84-90)

*Fred L. Cunningham, S. W. Jack, David Hardin, Robert W. Wills*

Development of a Nonlethal Health Assessment for Wild Red Drum Using a Health Index (p. 91-95)

*Carla M. Bourtis, Ruth Francis-Floyd, Eric A. Reyier, Roy P. Yanong, Louis J. Guillette*

Comparative Susceptibility of Channel Catfish, Blue Catfish, and their Hybrid Cross to Experimental Challenge with *Bolbophorus damnificus* (Digenea: Bolbophoridae)

Cercariae (p. 96-99)

*Matt J. Griffin, Stephen R. Reichley, Lester H. Khoo, Cynthia Ware, Terrence E. Greenway, Charles C. Mischke, David J. Wise*

Association of Mitochondrial Dysfunction with Oxidative Stress and Immune Suppression in Blunt Snout Bream *Megalobrama amblycephala* Fed a High-Fat Diet (p. 100-112)

*Kang-Le Lu, Wei-Na Xu, Wen-Bin Liu, Li-Na Wang, Chun-Nuan Zhang, Xiang-Fei Li*

The Endemic Copepod *Calanus pacificus californicus* as a Potential Vector of White Spot Syndrome Virus (p. 113-117)

*Fernando Mendoza-Cano, Arturo Sánchez-Paz, Berenice Terán-Díaz, Diego Galván-Alvarez, Trinidad Encinas-García, Tania Enríquez-Espinoza, Jorge Hernández-López*

Susceptibility of Fish and Turtles to Three Ranaviruses Isolated from Different Ectothermic Vertebrate Classes (p. 118-126)

*Roberto Brenes, Debra L. Miller, Thomas. B. Waltzek, Rebecca P. Wilkes, Jennifer L. Tucker, Jordan C. Chaney, Rebecca H. Hardman, Mabre D. Brand, Rebecca R. Huether, Matthew J. Gray*

## **MEETINGS**

### **USFWS AQUACULTURE DRUG APPROVAL COORDINATION WORKSHOP**

Don't Forget to [REGISTER](#) for the Upcoming 20th Annual USFWS Aquaculture Drug Approval Coordination Workshop, July 28 - 31, 2014 in Bozeman, MT!

[REGISTER HERE](#)

#### **Molly P. Bowman**

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## **RESOURCES**

### **WESTERN FISHERIES SCIENCE NEWS**

Dear WFRC Colleagues, Partners and Friends; Please enjoy the latest issue of our Center newsletter, designed to update you on science, new publications, events and news from the U.S. Geological Survey, Western Fisheries Research Center (WFRC). WFRC scientists conduct research on aquatic animal health; restoration ecology; and drivers of ecosystem change at six different field stations throughout Washington, Oregon and Nevada. We hope that this newsletter will help familiarize you with WFRC science and update you on our latest developments. Please forward to colleagues who may also benefit from these communications. To subscribe (or unsubscribe) to the Western Fisheries Science News mailing list, please do so at

<http://wfrc.usgs.gov/newsletter/maillist.html> Read online:  
<http://wfrc.usgs.gov/newsletter/>

In this issue . . . FEATURE STORY Histopathology at WFRC: New Applications for an Old Discipline RESEARCH Sturgeon Capture Training Provided to Yakama Nation EVENTS USGS Scientist Contributes to Tribal Climate Webinar Series Workshop on Aquatic Animal Pathogen Testing USGS Conducts Research at Fishing Derby

#### PUBLICATIONS

New Publication Evaluates Disease Susceptibility Levels of Perch and Koi Palmer, A.D., and E.J. Emmenegger. 2014. Susceptibility of Koi and Yellow Perch to Infectious Hematopoietic Necrosis Virus by experimental exposure. J. Aquat. Anim. Health 26: 78-83. DOI: 10.1080/08997659.2014.886634.