



# Fish Health Section



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

## FHS NEWS

### Meetings, Workshops, and Courses

#### **European Association of Fish Pathologists International Conference on Diseases of Fish and Shellfish—Deadlines for Abstract Submission and Early Registration Las Palmas de Gran Canaria, Spain September 7-11, 2015**

The EAFP 17th International Conference on Diseases of Fish and Shellfish is now being planned for September 7-11, 2015 in Las Palmas de Gran Canaria, Spain, and promises to be another exceptional conference. This conference will provide an excellent opportunity to share your research with participants from around the world in a beautiful and historic venue. For more information on the conference, please visit the conference website at <http://www.eafp2015.es/>. The deadline for submission of abstracts (online electronic submission only) is **April 10, 2015**, and the deadline for early registration is **May 15, 2015**.

#### **EAFP Pre-conference workshop on diagnostic test validation Held in conjunction with the EAFP meeting, Canary Islands, Spain September 6th**

If you need guidance on the best strategies for use of experimental and/or field studies to obtain estimates of diagnostic sensitivity and specificity, and tips for analyzing these data this workshop is for you. There will be 3 hours of lecture/discussion and the remaining 4 hours will be problem-based with use of Medcalc software to analyze data assuming a perfect reference standard. If there is sufficient interest, one hour may be allocated to use of latent class analysis when the reference standard is imperfect. Examples will be based on OIE-listed diseases of finfish, mollusks and crustaceans and participants are encouraged to bring their own data or provide relevant examples for discussion.

\*\*Please see the attached PDF entitled, "Evaluation of the accuracy of diagnostic tests April 10" for more information on this workshop as well as a course outline.\*\*

**Short Course on Toxicologic Pathology in Fish**  
**University of Berne, Switzerland**  
**October 7-9, 2015**

We are pleased to announce the 3rd short course on toxicologic pathology in fish. The aim is to provide training in the methods and diagnosis of toxicopathological lesions in fish.

Please open the attached PDF entitled, "Toxicopath flyer 2015 final" for more information.

**4<sup>th</sup> International Conference on Members of the Genus Flavobacterium**  
**Auburn, Alabama**  
**October 27-29, 2015**

Registration for Flavobacterium 2015 is now open ([www.flavobacterium.com](http://www.flavobacterium.com)). Information on lodging and travel to Auburn is also available on the website. If you have any questions about the meeting please, contact the organizing committee at [flavobacterium2015@gmail.com](mailto:flavobacterium2015@gmail.com)

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**JOBS/GRADUATE ASSISTANTSHIPS**

**10-month Aquaculture/Aquatic Animal Health Job Announcement**  
**University of Florida Tropical Aquaculture Laboratory**  
**Ruskin, FL**

Please open the PDF entitled, "Biologist job description for Biosecurity grant 2015-16 Yanong" for a complete job description and application information.

The individual will work closely with the researchers/PIs and serve as project manager/biologist for a Florida Department of Agriculture and Consumer Services, Division of Aquaculture grant surveying and evaluating current biosecurity practices in Florida aquaculture industries. The individual must interact professionally with aquaculture producers, state and federal agency personnel, as well as faculty and staff of the University of Florida.

## RESOURCES

### **Fish Health Notes by Rod Getchell in Fish Farming News**

Please enjoy the latest Fish Health Notes column by Rod Getchell in the Fish Farming News. The title of the article is “Fish Health Section holds annual meeting and honors some of its top professionals”.

The column can be found in the attached PDF entitled, “FFN\_4\_15-FHN”.

### **Western Fisheries Science News: Issue 3.7 – July 2015**

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: Seismic Water Guns Studied as a Deterrent against the Invasion of Asian Carp in the Great Lakes

HONORS: USGS Scientist Receives Distinguished Service Award in Fish Health

EVENTS: USGS Scientist Presents Webinar on Prioritizing Fish Passage; USGS Scientists Host a Stakeholders Meeting on IHN Virus Landscape Ecology; USGS at White Salmon Riverfest; USGS Participates in American Fisheries Society Fish Health Section (AFS-FHS) Meeting

### **2<sup>nd</sup> Edition of the Quick Desk Reference Guide to: Approved Drugs for Use in Aquaculture**

The U. S. Fish and Wildlife Service Aquatic Animal Drug Approval Partnership (AADAP) Program will soon be releasing the 2<sup>nd</sup> Edition of the Quick Desk Reference Guide to: Approved Drugs for Use in Aquaculture. Originally published in 2011 with support from the Association of Fish and Wildlife Agencies and the American Fisheries Society Fish

Culture and Fish Health Sections, the Desk Reference was provided free-of-charge to the many AADAP partners and stakeholders. The Desk Reference proved wildly popular: 1,100 of the 1<sup>st</sup> edition were made available, and all were spoken for in less than 2 days. The U.S. Food and Drug Administration has granted several new drug approvals since publication of the 1<sup>st</sup> edition, and the 2<sup>nd</sup> edition reflects all of these important advances in fish health management. Thanks to generous contributions from external partners, AADAP will be able to produce and ship 2,000+ of the 2<sup>nd</sup> edition to our partners across the country. The 2<sup>nd</sup> edition Desk Reference should be available for distribution by the end of April 2015—they will go fast, so be sure to submit your request for a copy right away!

If you are interested in receiving the new Desk Reference booklet, **please contact Ms. Niccole Wandelaar** ([niccole\\_wandelaar@fws.gov](mailto:niccole_wandelaar@fws.gov)) and provide her the following information:

- 1) Your first and last name,
- 2) Your organization,
- 3) Your current FedEx address (or street address; *no PO Boxes* please),
- 4) A phone number,
- 5) The number of booklets you'd like.

## **Journal of Aquatic Animal Health**

### **New Issue Contents**

**Volume 27, Issue 3, 2015**

**Characterization and Purification of Glutathione S-Transferase from the Liver and Gill Tissues of Ağrı Balık Lake Trout *Salmo trutta labrax* and the Effects of Heavy Metal Ions on Its Activity (p. 145-151)**

*Veysel Çomaklı, Muslum Kuzu, Ramazan Demirdağ*

**Analysis of Short-Term Cortisol Stress Response in Channel Catfish by Anesthetization with Metomidate Hydrochloride and Tricaine Methanesulfonate (p. 152-155)**

*M. S. Smith, N. J. Booth, B. C. Peterson, W. S. Stephens, C. A. Goudie, B. A. Simco*

**Rapid and Sensitive Detection of *Vibrio alginolyticus* by Loop-Mediated Isothermal Amplification Combined with a Lateral Flow Dipstick Targeted to the *rpoX* Gene (p. 156-163)**

*Saranya Plaon, Siwaporn Longyant, Paisarn Sithigorngul, Parin Chaivisuthangkura*

**Development of a PCR Assay Based on a Single-Base Pair Substitution for the Detection of *Aeromonas caviae* by Targeting the *gyrB* Gene (p. 164-171)**

*Penpan Payattikul, Siwaporn Longyant, Paisarn Sithigorngul, Parin Chaivisuthangkura*

**Bacterial Analysis of Fertilized Eggs of Atlantic Salmon from the Penobscot, Naraguagus, and Machias Rivers, Maine (p. 172-177)**

*Rocco C. Cipriano*

**Influence of Dietary Ascorbic Acid on the Immune Responses of Juvenile Korean Rockfish *Sebastes schlegelii* (p. 178-184)**

*Jun-Hwan Kim, Ju-Chan Kang*