



# Fish Health Section



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

## FHS NEWS

### **AFS-FISH HEALTH SECTION MEETING – FIRST ANNOUNCEMENT**

You are most cordially invited to attend the AFS-Fish Health Section Meeting July 31-August 3 2012 in La Crosse, WI. The meeting begins with a social/registration the evening of July 31, followed by two full days of papers August 1 & 2, and a continuing education course on August 3.

The meeting is co-sponsored by the USFWS La Crosse Fish Health Center, the Wisconsin Department of Natural Resources, the Wisconsin Veterinary Diagnostic Lab, the USGS Upper Midwest Environmental Sciences Center, The Great Lakes Fish Health Committee and the Wisconsin Department of Agriculture, Trade and Consumer Protection.

In an effort to reduce everyone's carbon footprint for attending this meeting to a size 3 (narrow), we have synchronized watches with the following groups who will hold their annual meetings on July 30 and/or 31. These meetings provide a fantastic segue for the FHS meeting which begins the evening of July 31.

[The Great Lakes Fish Health Committee](#) meets 8 am to 5 pm on July 30 and 8 am to noon on July 31.

[The Drug Approval Workshop](#) meets 8 am to 5 pm on July 31 and will provide attendees with updates on the approval status of aquaculture drugs and an opportunity to discuss and identify new or unmet fish disease control needs with other fish health professionals, fish culturists and drug researchers, sponsors and regulators. In addition, the AFS-FHS will kick off its meeting with a special session on topics related to New Fish Drug Approvals on August 1 from 8 am to noon.

[The Workshop for Veterinarians on Fish Regulatory Medicine](#) (sponsored by USDA-APHIS and the WI Department of Agriculture Trade and Consumer Protection) meets July 31.

All of this is happening at the beautiful Radisson Hotel in downtown La Crosse, located on the parkway and banks of the mighty Mississippi River. The hotel has generously provided single room rates of \$70 (a king-size bed) and double room rates of \$100 (two queen-size beds) per night.

We are not quite ready to offer on-line registration and more details about the meeting, but we want to be sure you know the date and location and can plan accordingly. More soon!

**MEETINGS AND WORKSHOPS - FOR INFORMATION ON THESE AND OTHER UPCOMING MEETINGS GO TO THE WEBSITE:**

<http://www.fisheries.org/units/fhs/meeting.php>

**AQUAVET® I**

COURSE ANNOUNCEMENT

May 27 to June 23, 2012

Please visit our website at: [www.aquavet.info](http://www.aquavet.info)

**AQUAVET® II**

COURSE ANNOUNCEMENT

May 27 to June 9, 2012

Please visit our website at: [www.aquavet.info](http://www.aquavet.info)

**AQUATIC SYSTEMS AND ENVIRONMENTAL HEALTH -**

<http://aah.distance.ufl.edu/asehealth/index.shtml>

College of Vet Medicine, University of Florida

Aquatic Systems and Environmental Health is an online course that provides an overview of aquatic resources including oceans, estuaries, rivers, lakes, streams and ponds, with focus on respective biotic communities and environmental health. We will address the physical and chemical nature of water, and the hydrologic cycle in order to understand water and land usage, and effects of various types of contamination in different ecosystems. The course will provide a taxonomic and ecological summary of aquatic biota, from algae and invertebrates to vertebrates and pathogens. A case study approach will be used to provide resources pertaining to contaminant input, other anthropogenic activities, harmful algae, and changes in the environment such as climate change. Biotic indices of environmental change, including application of bioindicators, will be discussed and evaluated relative to both environmental and human health.

**JOBS**

**POSTDOCTORAL FELLOW: TRANSCRIPTIONAL RESPONSE OF SOCKEYE SALMON TO INFECTIOUS HEMATOPOIETIC NECROSIS VIRUS (IHNV)**

**Agency/Location:** Fisheries & Oceans Canada, Pacific Biological Station, Nanaimo, BC

**Responsibilities:** The postdoctoral researcher will be an integral part of a research team that is examining the development and maintenance of IHNV carrier states in sockeye salmon. The position will be based at the Pacific Biological Station in Nanaimo, British Columbia. She/he will be involved in the use of microarrays, RNA-seq, and qPCR to study how IHNV carrier states are established and maintained in sockeye salmon.

**Qualifications:** Applicants must have a PhD in molecular biology, bioinformatics or related fields. Candidates should have demonstrated experience in several of the following activities: analysis of high-throughput sequence, data mining, and analysis of sequence variation, annotation, programming, database development, functional genomics (microarray, RNA-seq, QPCR) and associated data analysis. Experience in

fish biology and fish health would be an asset. Excellent communication skills are required, together with the ability to work effectively as a member of a team.

**Position Details:** This is a 2 year position and salary will be based on current NSERC rates. All qualified candidates are encouraged to apply, however Canadian citizens and Permanent Residents are given priority. Applications should be submitted in the form of a cover letter and resumé to the address below, and should include the e-mail address of three people willing to act as referees.

For further information or to submit an application please contact either: Dr. Kyle Garver or Dr. Stewart Johnson, Fisheries and Oceans Canada, Pacific Biological Station, 3190 Hammond Bay Rd, Nanaimo, BC, V9T 6N7 Tel: 250-756-7340, Email:

Kyle.Garver@dfo-mpo.gc.ca or Stewart.Johnson@dfo-mpo.gc.ca

**Closing date:** Applications are due by February 1, 2012.

## **RESOURCES and REQUESTS**

### **FISH PARASITES: PATHOBIOLOGY AND PROTECTION AND FISH DISEASES AND DISORDERS VOL 3 – see attached [Fish Parasites.pdf](#) for ordering information**

**FISH PARASITES: PATHOBIOLOGY AND PROTECTION** A new book focusing on pathobiology and protective strategies against protozoan and metazoan parasites of fish, this book reviews the latest research on important parasites: those that cause financial hardships to the aquaculture industry, have been introduced to new geographical regions through transportation of infected fish, are pathogenic to groups of finfish and detrimental to production, are highly adaptable and not host-specific with worldwide distributions, and that may serve as disease models for studies on other pathogens. It also highlights gaps in the knowledge to help direct future research.

**FISH DISEASES AND DISORDERS:** This third and final volume in the acclaimed Fish Diseases and Disorders trilogy addresses infectious diseases of finfish and shellfish caused by viruses, bacteria and fungi. Topics covered include infectious pancreatic necrosis virus, infectious hematopoietic necrosis virus, viral diseases of cold and warm-water fish, rickettsial and chlamydial infections, furunculosis, motile aeromonads, vibriosis, flavobacterial diseases and shellfish diseases. Written by experts in each discipline and updated throughout to reflect new developments in the field, including new chapters on alphaviruses, oncogenic viruses and genomics and proteomics, this is a must-have reference for fish health specialists and veterinarians, microbiologists, zoologists and researchers and students in aquaculture.

### **NUTSHELL – see attached [Nutshell #33](#)**

Check out some very cool weedrobes, also lots on ISAV and a very scary huge snail invading Florida

## **FISH CULTURE SECTION**

The latest edition of the Fish Culture Section Newsletter is now available online.

Thanks to Editor Heidi Hill (née Lewis—congrats Heidi and Mike!) and the Newsletter Committee for putting together a great issue. Click [here](#) to view the newsletter. I strongly encourage everyone to check out this issue...AND OUR NEW WEBSITE!

That's right, our website has been given a facelift, but this isn't merely a cosmetic change. The new website is sleek, but more importantly, it's now even more content-rich than before. In addition to our newsletters and our Aquaculture Application Note web series, the updated FCS website includes new content like smartphone apps, a new portal for folks to join the FCS as Affiliate Members, a form to contact us with news, notes, or concerns...and over the next few months, we plan to add much, much more.

To view the new website, please visit

<https://sites.google.com/site/fishculturesection/home>. This is our new URL. The [www.fishculturesection.org](http://www.fishculturesection.org) URL will also take you to the new website, but you may need to "clear browser history" or "clear cache" to see the new content. Click the link and start exploring! Special thanks to our long-serving webmaster, Cortney Ohs, for helping us make the transition to the new website.

## **NEWS**

**ISA NEWS** – yes, there is still a lot of it, please google ISA