



Fish Health Section



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

FHS NEWS

2016 Edition of the Blue Book!

The new 2016 edition of the American Fisheries Society, Fish Health Section Blue Book is now available online and contains a new chapter on Viral Encephalopathy and Retinopathy, caused by Nervous Necrosis Virus (NNV).

Also included is an introductory chapter in the section on Diseases of Crustaceans and several chapter updates, including Erythrocytic Inclusion Body Syndrome (EIBS), Viral Erythrocytic Necrosis (VEN), and Testing for Mycoplasma in Cell Cultures.

<http://www.afs-fhs.org/bluebook/bluebook-index.php>

Why Join the AFS and FHS?

We will be running a series of items in the next listserv updates concerning the benefits of joining the AFS and the FHS.

To Members, this is why you can be proud to be a member of AFS and the FHS:
Pride in AFS and FHS Expertise, Science, and Community. Pride in recognition from peers.

MEETINGS, WORKSHOPS AND COURSES

8th International Symposium on Aquatic Animal Health (ISAAH)

It is with great pleasure that we write to invite you to participate in a significant international meeting, the **8th International Symposium on Aquatic Animal Health**, which will be held in **Charlottetown, Prince Edward Island, Canada, 2 – 7 September 2018**. For more information on the meeting and the venue, please view the two PDF's entitled, "ISAAH List Servers Announcement Oct 2016" and "ISAAH Location Presentation".

Fish Health Bonanza!!!! Save the Date for the 2017 AFS-FHS meeting (Jointly with the Great Lakes Fishery Commission Fish Health Committee) followed by the Eastern Fish Health Workshop

Sparty invites you to a full week of Fish Health Bonanza on April 1-7th, 2017!!!

- 2017 AFS-FHS meeting jointly with the Great Lakes Fishery Commission Fish Health Committee (April 1-3)
- Eastern Fish Health Workshop (April 3-6)
- Continuing Education (April 7)

This is an exciting announcement and the meetings will be held at the Kellogg Hotel and Conference Center at Michigan State University in East Lansing, MI.

Please see the PDF entitled, “FHS2017” for the Save the Date!

2017 Western Fish Disease Workshop – Save the Date

The Northwest Indian Fisheries Commission and the Washington Department of Fish and Wildlife invite you to attend the 58th Western Fish Disease Workshop on June 20-22, 2017 at the Clearwater Resort located on the Kitsap Peninsula in Washington.

Please see the PDF entitled, “2017 WFDW save-date” for more information.

JOBS/GRADUATE ASSISTANTSHIPS

Research Microbiologist USDA-ARS, Aquatic Animal Health Research Unit Auburn, AL

The incumbent serves as a Microbiologist – Fish Health Immunologist – at the USDA-ARS Aquatic Animal Health Research Unit in Auburn, AL. The incumbent works independently and collaboratively with the scientists assigned to the project plan “Pathogen Characterization, Host Immune Response and Development of Strategies to Reduce Losses to Diseases in Aquaculture”. Research responsibilities focus on one or more of the following areas: molecular and cellular immunology, genetic variation in disease susceptibility and treatment responsiveness, pathophysiology of disease, host pathogen interactions, disease transmission and epizootiology, influence of dietary status and nutrients on disease resistance or susceptibility, pathogen detection, and management or chemical treatment of pathogens. The incumbent identifies projects in these areas of research, organizes collaborative efforts, plans and executes the research and publishes and presents results from the research to all interest groups. The research objectives are directed at the molecular and cellular characterization of the immune system of fish and examining the host responses to pathogenic bacteria and parasites.

For full details, please visit this website:

<https://www.usajobs.gov/GetJob/ViewDetails/454984100/>

Director of Fish Health
The Center for Aquaculture Technologies Canada
Prince Edward Island, Canada

The Center for Aquaculture Technologies is recruiting a Director of Fish Health. For full information on this position, please view the PDF entitled, "Director of Fish Health-Oct 2016".

Veterinary Medical Officer (Clinical Care)
US Fish and Wildlife Service
Onalaska, WI

Located in Onalaska, WI, the La Crosse Fish Health Center provides fish health inspection and diagnostic services to six national fish hatcheries and five tribal fish hatcheries, as well as technical assistance to other state, Federal, and tribal agencies in the Midwest Region. Staff at the Center have the opportunity to work with numerous warm, cool and cold water fish species, threatened and endangered freshwater mussels, and amphibians.

Onalaska (population: 17,500) is located in west-central Wisconsin, on the shores of the Mississippi River just north of La Crosse, WI (population: 51,000). The La Crosse area has been rated as one of the top places to live in the U.S. in numerous surveys, due in large part to the numerous opportunities for outdoor recreation. Besides fishing for largemouth bass, smallmouth bass, walleye, and panfish on the Mississippi River, the region is home to some of the best trout fishing in the U.S. Other outdoor opportunities include boating, canoeing/kayaking, hiking, biking, skiing, and hunting. La Crosse is home to the University of Wisconsin--La Crosse, Viterbo University, and Western Technical College; Winona State University and St. Mary's University are located just up-river in Winona, MN.

<https://www.usajobs.gov/GetJob/ViewDetails/453486000/>

Fish Health Manager
Clear Springs Foods
Buhl, ID

Clear Springs Foods is seeking applicants for a Fish Health Manager. For full information on this position, please view the PDF entitled, "Clear Springs Foods Fish Health Manager".

RESOURCES/NEWS

Yes, fish can get sunburn

Morristown Daily Record 2 a.m. EDT October 30, 2016



(Photo: File Photo) [LINKEDIN](#)

Last summer's heat probably caused sunburned fish.

When several Pequest Hatchery broodstock rainbow trout had developed whitish skin lesions on the dorsal surface that were spreading to the body of the fish, the doctor was called.

Jan Lovy, a research scientist in fish pathology for the Division of Fish and Wildlife, reported four broodstock rainbows were euthanized and necropsied.

Bacteriology was done on the skin lesions and the kidneys of the fish, and no significant infectious pathogens occurred within the skin lesions.

Lovy is the chair of the Technical Standard Committee in the American Fisheries Society's Fish Health Section, and knows about diagnostic methods on fish health, so he knows his stuff.

Bacteriology was negative for all fish examined, and his report states: "The skin lesions appeared to have been related to sunburn, caused by the fish hanging out near the water surface on sunny days."

Shaded roofs over the trout raceways would prevent fish from developing sunburn in the future. Also, ospreys and other birds that eat trout would be prevented by roofs from eating hatchery trout.

Catfish, bottom feeders, have no sun problems. But they don't jump. When rainbows are hooked, they frequently go airborne.

New genomics project aims to reduce co-infection in Atlantic salmon

<http://genomeatlantic.ca/project/healthier-farmed-salmon-aim-genomics-project/>

PEI's Center for Aquaculture Technologies Canada receives CFIA approval



The Center for Aquaculture Technologies Canada (CATC) recently received approval from the Canadian Food Inspection Agency (CFIA) for its aquaculture research facility located in Souris, PEI, allowing the company to operate as an Aquatic Animal Pathogen Containment Level 3 (AQC3) biocontainment facility, allowing [CATC](#) to expand its suite of services to include the conduct of in vivo and in vitro studies with imported aquatic animal pathogens.