
The official link to the FHS website is: https://units.fisheries.org/fhs/

## FHS NEWS

### Call for Nominations

Come one, come all! The Nominating and Balloting Committee is seeking nominees for the following positions:

Vice-President
Secretary-Treasurer
Technical Standards Committee
Professional Standards Committee
Policy/Position Development Committee
Nominating and Balloting Committee.

See the attached file for more information. The nomination period is open from February 22 to March 23. Please send all nominations to Carolyn Richards, richcaro@oregonstate.edu.

### Update from the QA/QC committee regarding the upcoming application period

The Quality Assurance committee of the FHS is announcing the application period for Tier 1 (prequalification) will be opening soon for 2018. Applications will be accepted anytime between January 1 and March 31, 2018. An updated application is available on the Fish Health Section website, along with further instructions.

The Tier 2 (recognition) program is still under development, and the committee is hoping to open the application period by mid-summer.

## STUDENTS AND EARLY CAREER MEMBERS

### Student Travel Awards Competition for the 8th ISAAH

The Fish Health Section of the American Fisheries Society, in conjunction with Atlantic Veterinary College Canada Excellence Research Chair in Aquatic Epidemiology, the World Aquatic Veterinary Medical Association and the American Association of Fish Veterinarians have committed to provide travel grants in support of students and young professional to attend and present at the 8th ISAAH. We anticipate in excess of $30,000 Canadian to be available to students through competitive applications and encourage all qualified students and young professional to apply.

The individual competitions details are outlined in the attached announcement: "Student Travel Awards on Letterhead Dec 18 2017".

## MEETINGS, WORKSHOPS AND COURSES

### 43rd Annual Eastern Fish Health Workshop

**Chattanooga, Tennessee**
**April 9 to 13, 2018**

### Call for Abstracts: Now Open!

We are proud to announce the 43rd Annual Eastern Fish Health Workshop at the Chattanooga Marriott Downtown hotel in Chattanooga, Tennessee. Meeting registration begins at our annual reception on Monday, April 9 from 5:00 to 7:00 pm, and is followed by an evening of interesting, bewildering, and bemusing case reports. There will be three full-day sessions (April 10-12), followed by a full-day continuing education course on Friday, April 13. We encourage contributions for oral presentation of case reports and research investigations that are pertinent to animal health within marine and freshwater environments. Important Deadlines:

Abstracts Due By: 28 February 2018
Registration Due By (postmarked): 28 February 2018 (to avoid the late fee)
PowerPoints Due: 27 March 2018
Hotel Reservation Due By: 8 March 2018.

### 24th Annual Aquaculture Drug Approval Coordination Workshop and the 59th Western Fish Disease Workshop

**Bozeman, Montana**
**June 19-22, 2018**

Make plans to attend the 24th Annual Aquaculture Drug Approval Coordination Workshop and the 59th Western Fish Disease Workshop. June 2018 is a long way off, but for some, it's never too early to request approval to attend out-of-state meetings. The 24th Annual Aquaculture Drug Approval Coordination Workshop will be held in conjunction with the 59th Western Fish Disease Workshop on June 19-22, 2018, in Bozeman, Montana. The workshops will be scheduled back-to-back and we hope

those making plans to attend one will also plan to attend the other. Additional Workshop details will be provided as they become available. Hope to see many of you in beautiful Bozeman next June.

## Health and Colony Management of Laboratory Fish short course

**Salisbury Cove, Maine**
**August 12-17, 2018**

The MDI Biological Laboratory is pleased to present the short course Health and Colony Management of Laboratory Fish in our state-of-the-art training laboratory, the Maine Center for Biomedical Innovation.

This one-week short course is intended to help colony managers, researchers, and veterinarians monitor and maintain the health of a colony of aquatic organisms. The course consists of lectures, laboratory exercises with a high faculty to student ratio, and discussions. During the course, there are ample opportunities for students to discuss unusual and/or unsolved diagnostic case experiences from their home laboratories as problem-solving exercises.

This course is approved by the AAVSB RACE (American Association of Veterinary State Boards Registry of Approved Continuing Education) to offer a total of 35 CE (Continuing Education) Credits to veterinarians and veterinary technicians.

More information can be found in the attached course listing and online at the course webpag: [https://mdibl.org/course/health-and-colony-management-of-laboratory-fish-2018/](https://mdibl.org/course/health-and-colony-management-of-laboratory-fish-2018/)

## 8th International Symposium on Aquatic Animal Health

**Charlottetown, Prince Edward Island, Canada**
**September 2-6, 2018**


# Registration is now Open!

Abstracts for Oral and Poster Presentations are now being accepted.
**Click here for Abstract Criteria**

Join us for the **8th International Symposium on Aquatic Animal Health** in beautiful Prince Edward Island, Canada. Join fish health professionals from around the world for scientifc workshops, business meetings, presentations and discussions about new research developments and current trends in aquatic animal health.

Get meeting updates and news at the symposium website (www.isaah2018.com).

## JOBS/GRADUATE ASSISTANTSHIPS

### Tenure-Track Assistant or Associate Professor of Marine Aquaculture Science

**University of California Davis, Dept. of Medicine and Epidemiology, School of Veterinary Medicine**
**Bodega Bay, California**

**Research:** The position requires the development of a creative, independent and productive basic and/or applied research program in marine aquaculture and marine animal science. This includes establishing a strong extramurally funded laboratory, training of undergraduate and graduate academic and professional (veterinary) students, and publication in peer-reviewed scientific/professional journals. Areas of research focus could include epidemiology, ecology, physiology, microbiology, virology, genetics, nutrition, immunology, population health, and/or pathology of marine animals.

**Teaching:** Responsibilities include: 1) participation in the graduate academic programs (MS and PhD) of the campus and supervision of graduate students in relevant training programs; 2) participation in lectures and laboratories in the DVM professional curriculum; and 3) participation in the undergraduate and graduate training programs of the College of Agricultural and Environmental Sciences, College of Biological Sciences, and College of Letters and Sciences.

**Service:** University and public service through committee work, participation in professional organizations, continuing education and other means is required. Engagement with society beyond the university as a scholar, exchanging information, and speeding the rate at which new knowledge is delivered is expected. Examples of engagement include involvement with agencies, industry, NGOs, and communities in addition to academic societies.

This 11 month, full time position is part of the UC Davis “Sustainable Marine Resources Initiative (SMRI): The Future of Food from the Sea,” coordinated by the cross-campus Coastal and Marine Sciences Institute (http://cmsi.ucdavis.edu). This hiring initiative includes two additional faculty positions in resource economics and quantitative fisheries management, and the potential for additional faculty hires in partnership with California Sea Grant and the College of Agricultural and Environmental Sciences in marine ecotoxicology and marine fisheries conservation. The candidate will have the opportunity to join the Coastal Marine Sciences Institute and other centers and research units

relevant to his/her research interests. This position is envisioned to be housed at UC Davis's Bodega Marine Laboratory.

More information can be found in the attached listing and online at this website link: https://recruit.ucdavis.edu/apply/JPF02012

## Aquatic Animal Health Inspector

**Wyoming Game and Fish Department**
**Laramie, WY**

The Aquatic Animal Health Inspector works in the fish health section of the Wildlife Forensic and Fish Health Laboratory. The incumbent is required to have the ability to become an Aquatic Animal Health Inspector; a trained individual who possesses the technical skills, knowledge and experience to conduct legally mandated annual veterinary fish health inspections of state and private hatcheries for specific aquatic animal pathogens regulated by the Wyoming Game and Fish Commission in order to preserve and protect Wyoming sport fisheries.

**ESSENTIAL FUNCTIONS:** The listed functions are illustrative only and are not intended to describe every function which may be performed in the job level.

- Conducts a number of legally mandated annual fish health inspections (AFHI) of cultured and free-ranging fish populations to meet the needs of the Fish culture and Fish Management sections of the Wyoming Game and Fish Department, and issues health certifications in accordance with standard laboratory procedures, the Department's Chapter X requirements and the guidelines in the American Fisheries Society Bluebook.
- Travels extensively to state and private aquaculture facilities to collect specific fish tissues and fluids as determined by the AFS Blue Book and the Department's Chapter X requirements.
- Returns said samples to the laboratory, using specialized laboratory equipment to process the samples from the inspections. This includes, but is not limited to, isolation and identification of numerous bacteria, viruses, and parasites from the appropriate sample type.
- Maintains cell cultures and bacterial cultures necessary for pathogen identification.
- Assists Fish Health Program Coordinator in performing necropsies on cultured or wild fish to determine the presence or absence of pathogens or disease.
- Use of digital photography, preparation of bacterial media, and use of surgical tools. Includes report preparation and communication with hatchery personnel, biologists, or concerned fisherman.
- Extracts appropriate sample type and analyzes using the polymerase chain reaction (PCR) for different disease causing organisms.
- Bring on-line new PCR tests as determined by the Fish Health Program Coordinator or the Laboratory Director.

- Acquaints self with aquatic invasive species from the state of Wyoming.

More information can be found in the attached listing and online at this website link: http://agency.governmentjobs.com/wyoming/default.cfm

## RESOURCES/NEWS

### AADAP Update: FDA Answers Some Questions About Veterinary Feed Directives

Below are four questions that we have been frequently asked relative to the use of Veterinary Feed Directive (VFD) Medicated Feeds. We ran these questions by staff with the U.S. Food and Drug Administration Center for Veterinary Medicine and we're sharing their answers with you.

#1. Can a VFD order for medicated feed be written for fish that don't exist yet?
YES – Learn More

#2 Can surplus VFD medicated feed on hand be used for another VFD order?
YES – Learn More

#3 - Can fish from one state natural resource agency facility be moved to numerous other facilities within the same state agency and all be under the same VFD?
YES – Learn More

### Western Fisheries Science News: December 2017 - Issue 5.12

**Fish Health Highlights….**

**New Publication on Fish Disease:** USGS scientists at the WFRC with French fish virus researchers at the Institut national de la recherche agronomique (INRA) recently published a collaborative study involving infectious haematopoietic necrosis virus (IHNV) and spring viraemia of carp virus (SVCV), which are both rhabdoviruses of fish. Recombinant rhabdoviruses with heterologous gene substitutions have been engineered to study genetic determinants and assess the potential of these recombinant viruses for vaccine development. An article reporting on the virulence of a chimeric recombinant IHNV expressing the SVCV glycoprotein in salmonid and cyprinid fish was published in the Journal of Fish Diseases (2018; 41: 67-78. Laboratory exposures of the chimeric virus were deadly to rainbow trout, but not to cyprinid fish (common carp and koi). Further koi that survived the initial infection by the recombinant virus were protected against a lethal exposure to SVCV. For more information, contact Evi Emmenegger, eemmenegger@usgs.gov, Seattle, WA or Gael Kurath, gkurath@usgs.gov, Seattle, WA.

Emmenegger, E.J., S. Biacchesi, E. Mérour, J.A. Glenn, A.D. Palmer, M. Brémont, and G. Kurath. 2017. Virulence of a chimeric recombinant infectious haematopoietic necrosis virus expressing the spring viraemia of carp virus glycoprotein in salmonid and cyprinid fish. J. Fish Dis. 41(1): 67-78. DOI: 10.1111/jfd.12678.

**New Publication Documents Cases of Disease in Whitefish in the North Slope, Alaska:** Fish are an important nutritional and cultural resource for the North Slope Inupiat and are a significant contribution to their annual nutritional needs. In particular, for the village of Nuiqsut, Alaska, nearly one-third of the subsistence diet of residents on average comes from fish. In 2013, concerns were raised by fishermen over observed fish with unusual white growths, leading to an investigation into fish health. In a new publication of *Polar Science*, scientists from state, federal, and private entities report the first confirmed cases of saprolegniosis caused by water mold from the genus Saprolegnia in Aanaakłiq, broad whitefish from the Colville River near Nuiqsut, Alaska. While this mold is known to be worldwide, these instances represent the first cases in Nuiqsut and only the second instance on a single fish on the North Slope, occurring in 1980. The paper describes the collaborative work on monitoring this emerging disease. For more information, contact Maureen Purcell, mpurcell@usgs.gov, Seattle, WA.

Sformo, T.L., B. Adams, J.C. Seigle, J.A. Ferguson, M.K. Purcell, R. Stimmelmayr, J.H. Welch, L.M. Ellis, J.C. Leppi, and J.C. George. 2017. Observations and first reports of saprolegniosis in Aanaakłiq, broad whitefish (*Coregonus nasus*), from the Colville River near Nuiqsut, Alaska. Polar Sci. 14: 78-82. DOI: 10.1016/j.polar.2017.07.002.

Read the whole newsletter online at: http://wfrc.usgs.gov/newsletter/

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