



# Fish Health Section



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

## FHS NEWS

Now ready for on-line registration!

## 2012 AFS-FHS ANNUAL MEETING JULY 31-AUGUST 3 IN LA CROSSE WI

<http://www.uwlax.edu/conted/fish/index.htm>

You are most cordially invited to attend the AFS-Fish Health Section Meeting July 31-August 3 2012 in La Crosse, WI!

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.

[The Great Lakes Fish Health Committee](#)  
[The Drug Approval Workshop](#)  
[The Veterinary Workshop on Fish Regulatory Medicine](#)

The link above will take you to the home page for all four events. From there you can link to information about each meeting. You may register on-line for the Drug Approval Workshop and AFS-FHS meetings separately, or save \$\$ and attend both meetings for a reduced fee.

Register for the Veterinary Workshop on Fish Regulatory Medicine directly with Dr Gretchen May at WI DATCP. This workshop is free, thanks to a grant from USDA-APHIS.

There is no formal registration to attend the Great Lakes Fish Health Committee meeting.

### [AFS-FHS Deadlines:](#)

June 1 for hotel reservations

June 15 for abstracts (note that images or graphics can be appended to the abstracts)

In an effort to go mostly paperless, abstracts will be posted on the website well in advance of the meeting and can be downloaded, saved electronically or printed as you like. There will be a short paper program available at the meeting.

To appreciate [science as art](#) and the “way coolness” of micrographs and other photographic images taken of our daily work, please bring prints of your favorites for display at the meeting. Special prizes will be awarded, and everyone is a winner!

Enjoy a [cruise on the Mississippi River](#) the evening of August 2, complete with Wisconsin’s finest beverages and local specialty snacks. The boat has room for 60 people, so sign up early!

Details are being finalized for the [continuing education course](#) on August 3:

**Molecular Diagnostic Tests for Aquatic Animal Pathogens:  
Regulatory Perspectives, Current Methods and Emerging Technologies**

- a very timely topic for aquatic animal health professionals, conservation agency administrators and fisheries managers

All of this is happening at the beautiful Radisson Hotel in downtown La Crosse. 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. [Please use the promotional code](#) listed on the website when making your reservation. The deadline for hotel reservations is [June 1](#). Rooms may be available after June 1 but the rates above are not guaranteed.

The co-sponsors have worked hard to make this a fantastic week of meetings and we look forward to seeing you all in La Crosse!

**A FISH HEALTH SECTION OPPORTUNITY AT THE 2012 NATIONAL AFS MEETING**

St. Paul, Minnesota  
August 19-23, 2012

In collaboration with the AFS Fish Culture and AFS Fisheries Management Sections, the FHS is co-organizing a symposium entitled “Understanding the Ecological and Social Constraints to Achieving Sustainable Fisheries Resource Policy and Management”, is planned for the 2012 national meeting of the AFS. This is an opportunity for our Section’s aquatic animal health experts to communicate with other specialties in the fisheries profession. The official goal of this AFS symposium is to discuss the impacts of pathogens, climate change, and invasive species on fisheries management. For the pathogen portion, the organizers are interested in presentations that focus on preventing the introduction and spread of aquatic pathogens, or presentations that examine the impact of diseases on fish populations, hatchery operations, broodstock collection, and fish stocking strategies.

If you are interested in sharing your fish health expertise with a national audience representing diverse fisheries fields, contact the FHS organizers (Diane Elliott, 206-526-6282, [dgelliott@usgs.gov](mailto:dgelliott@usgs.gov), or Andy Goodwin, 870-575-8137, [agoodwin@uaex.edu](mailto:agoodwin@uaex.edu)) or

the FCS organizers (Jesse Trushenski, 618-536-7761, [saluski@siu.edu](mailto:saluski@siu.edu), or Jim Bowker 406-994-9910, [jim\\_bowker@fws.gov](mailto:jim_bowker@fws.gov)) by March 2nd, and they will make sure that your presentation is included in the symposium. If you are ready to submit your abstract, visit the Confex abstract management website (<https://afs.confex.com/afs/2012/contributed/cfp.cgi>), and upload your abstract today. All abstracts must be submitted by Friday, March 9th.

### **The 2012 Western Fish Disease Workshop**

Boise, Idaho

June 13-14, 2012



The Idaho Department of Fish and Game invites you to attend the 53rd Western Fish Disease Workshop on June 13-14, 2012 at The Grove Hotel, in Boise, Idaho. Registration and additional information will be available soon. Now is the time to reserve the dates on your calendar and plan to make your room reservations.

#### **Important Dates:**

- May 12, 2012 Deadline for reduced rate room reservations
- May 15, 2012 Deadline for student travel award submission
- June 1, 2012 Deadline for abstract submission (see below)
- June 8, 2012 Deadline for online registration

#### **Workshop Costs:**

- Early Registration before June 8<sup>th</sup> - \$200
- Registration after June 8<sup>th</sup> - \$220
- Continuing Education Session - \$75

**Continuing Education Session:** Tuesday, June 12<sup>th</sup> on Fish Nutrition, Feeds and Feeding – More information to follow.

**Students:** Students are eligible to compete for the Best Student Paper Award. This will be a monetary award.

Student Travel Award to be presented to one student to help cover costs associated with attending the WFDW to present a paper in the aquatic animal health field. Following the submission of the required materials, each student's application is judged based on the quality of the abstract, significance of interest in the research, academic achievement, professional achievement and financial need. The following documentation is required by May 15<sup>th</sup>: 1) Letter of application and statement of any special financial circumstances (i.e., not supported by a stipend, etc.) 2) Letter of recommendation from the student's major professor; 3) Copy of abstract of paper to be presented. All supporting material should be emailed to [doug.burton@idfg.idaho.gov](mailto:doug.burton@idfg.idaho.gov) or

sent to Doug Burton, Eagle Fish Health Laboratory, and 1800 Trout Road, Eagle, Idaho, 83616.

## **ABSTRACTS DUE JUNE 1, 2012**

Please prepare abstracts in Microsoft Word format and email as an attachment to Doug Burton ([doug.burton@idfg.idaho.gov](mailto:doug.burton@idfg.idaho.gov)) by June 1, 2012. Power Point will be the format for all oral presentations and we anticipate 15 min time slots.

### **Guidelines for Abstract Preparation**

1. Abstract must fit on single side page with margins set at 1.5" on all sides.
2. Use Times New Roman 12 pitch font
3. Center the title and use all capitals. Genus and species names should be in italics.
4. Provide a double space between the title and authors.
5. For each author provide first name, middle initial and last name. Use bold script for author presenting the paper. Follow each name with a numeric superscript to denote affiliations.
6. Provide a single space between authors and affiliations. Affiliations should include mailing address plus zip code and email for presenting author.
7. Provide double space between affiliations and body of the abstract.
8. Provide a double space between the body of the abstract and an indication of whether you prefer oral presentation or poster.
9. If you are a student presenter and wish to be considered for the Best Student Paper Award, write student after Oral Presentation.

**Hotel Reservations:** The Grove Hotel, Boise, Idaho [www.grovehotelboise.com](http://www.grovehotelboise.com). For reservations call 1-888-961-5000 and identify yourself as part of the "Western Fish Disease Workshop". Or for online reservations go to: [https://reservations.ihotelier.com/crs/g\\_login.cfm?hotelID=76224](https://reservations.ihotelier.com/crs/g_login.cfm?hotelID=76224) and use Attendee code: WFDW.

**Room rate: \$77.00/night**

### **Recreational Opportunities:**

Boise is located in the Treasure Valley of southern Idaho and is uniquely situated within easy driving distance of wilderness mountains and wild and scenic rivers.

**Contact Information:** If you have any questions please contact:

Doug Munson  
1800 Trout Rd.  
Eagle, Idaho 83616  
Email: [doug.munson@idfg.idaho.gov](mailto:doug.munson@idfg.idaho.gov)

Dr. Phil Mamer  
1800 Trout Rd.  
Eagle, Idaho 83616  
[phil.mamer@idfg.idaho.gov](mailto:phil.mamer@idfg.idaho.gov)

**FISH IMMUNOLOGY WORKSHOP – see attached Fish Workshop flyer.pdf**

Wageningen  
April 22-26, 2012

Dear Colleague,  
it's a big pleasure to announce the 2012 Workshop of Fish Immunology, a great occasion for PhD students and young PhDs to learn the state-of-the-art technology in fish immunology from top scientists.  
Please find attached a flyer of the workshop.

Please also visit the International Society of Fish and Shellfish Immunology webpage at [www.isfsim.org](http://www.isfsim.org) and join the society!

With my best Regards,  
Giuseppe Scapigliati  
ISFSI Presiden

**37<sup>TH</sup> ANNUAL EASTERN FISH HEALTH WORKSHOP**

High Peaks Resort, Lake Placid, New York  
23 - 27 April 2012

Due to the overwhelming response to this year's meeting, our program is complete and a tentative agenda for the 37th EFHW is attached. Follow EFHW daily updates on Facebook at:

<http://www.facebook.com/profile.php?id=100001300530070#!/pages/Eastern-Fish-Health-Workshop/164449723610923>

Important dates:

March 26 – Abstracts are due. Early registration (\$200 US) ends.  
March 27 - Late Registration (\$225.00 US)  
April 9 - Powerpoint presentations due

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

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

**HEALTH AND COLONY MANAGEMENT OF LABORATORY FISH**

Mount Desert Island Biological Laboratory Bar Harbor, Maine  
3 – 17 August 2012

Applications are being accepted for this 1-week educational opportunity for individuals with maintenance, management or research responsibilities in which fish are used as laboratory animals.

APPLICATION DEADLINE - JUNE 15, 2012.

The course is offered at the Mount Desert Island Biological Laboratory, Salisbury Cove, Maine during the period of 13 - 17 August 2012. Topics to be discussed will include general system design and water quality management, anatomy and histology of fish, general fish diseases and disease management strategies. Infectious and non-infectious diseases common to all fish as well as specific diseases of importance to laboratory-maintained zebrafish will be discussed. The course will consist of lecture, laboratory exercises and discussions. During the course there will be an opportunity for students to discuss unusual and/or unsolved diagnostic case experiences from their home laboratories as problem-solving exercises. The course should be particularly valuable to technical staff, graduate students, postdoctoral fellows, junior faculty and investigators needing skills to monitor the health of a colony of aquatic organisms. The course also provides a unique educational opportunity for Residents in Laboratory Animal Medicine Programs.

For more information on the course, please see the course web site at:

[http://www.mdibl.org/courses/Health\\_and\\_Colony\\_Management\\_of\\_Laboratory\\_Fish/182/](http://www.mdibl.org/courses/Health_and_Colony_Management_of_Laboratory_Fish/182/)

## **JOBS**

### **FISH HEALTH CENTER PROGRAM MANAGER VACANCY - REGION 1**

I'd appreciate your help in letting folks know about this new job opportunity if you have folks who may be interested. We have done some restructuring in our fish health program and this is a new position.

Extensive hatchery production programs, climate change, new introductions of aquatic invasives, competition for limited resources, and much more continue to challenge us in addressing aquatic animal health in the Pacific Region. We are seeking a dynamic Fish Health professional to serve as the Program Manager for the Pacific Region's fish health program. This interdisciplinary position is advertised as both a Supervisory Fish Biologist or Supervisory Veterinary Medical Officer and will be located in either Lacey, Washington or Portland, Oregon. The Region's fish health program provides valuable support services that contribute to health, survival, restoration, and enhancement of fish and other aquatic species. You will work with a great group of Fish Health Center staff at our three field fish health centers to identify and implement efficiencies, prioritize workload, integrate work with other programs and partners, and address changing conditions.

This position **closes on March 21, 2012.** If helping guide the future of aquatic health programs in the Pacific Northwest (OR, WA, and ID) intrigues you, please apply today.

Full details can be found on USA jobs at the links below.

R1-12-611242-JC, Merit Promotion, Supervisory Fish Biologist, GS-0482-13:

<http://www.usajobs.gov/GetJob/ViewDetails/309777300>

R1-12-616056-JC, Delegated Examining, Supervisory Fish Biologist, GS-0482-13:

<http://www.usajobs.gov/GetJob/ViewDetails/310437400>

R1-12-616106-JC, Merit Promotion, Veterinary Medical Officer, GS-0701-13:

<http://www.usajobs.gov/GetJob/ViewDetails/310454300>

R1-12-616071-JC, Delegated Examining, Veterinary Medical Officer, GS-0701-13:

<http://www.usajobs.gov/GetJob/ViewDetails/310454400>

If you have any questions or want more information on Portland or Lacey , please contact me, Rich Johnson (503-231-6835), or Julie Collins (503-231-6217)

Jana Grote  
Fisheries Program Supervisor  
911 NE 11th Ave  
Portland, OR 97232  
503-231-2387  
[Jana\\_Grote@fws.gov](mailto:Jana_Grote@fws.gov)

### **SUMMER JOB AT THE USGS - MARROWSTONE MARINE FIELD STATION.**

We are seeking a temporary employee to work on a survey of diseases in Pacific halibut. Responsibilities will include preparing sampling kits for the field, sending the kits to field biologists, then receiving the samples and examining cultures for the presence of parasites. The project is expected to run from the beginning of April through the end of September, 2012. The incumbent will be hired by the International Pacific Halibut Commission and located at the USGS - Marrowstone Marine Field Station in Nordland, WA. Remuneration will be approximately \$18.50 / hr and include annual / sick leave, medical insurance, and accident insurance. Housing will be provided at the Marrowstone Marine Field Station. Please send a letter of interest and CV to Paul Hershberger ([phershberger@usgs.gov](mailto:phershberger@usgs.gov)) before COB March 16.

### **ASSOCIATE FISH PATHOLOGIST**

Salary: \$4,411.00 - \$5,318.00

Posted: 12/28/11

#### **Job Description:**

Under the direction of the Senior Fish Pathologist/Fish Health Coordinator the incumbent will provide technical support for fish health issues at public and private fish culture facilities in California, perform gross and microscopic examinations of fish to determine causes of disease and mortality at state, federal, private and commercial aquaculture facilities and investigate diseases of wild fish collected by anglers, fish biologists, or during informal surveys. The incumbent will recommend remedial actions and /or management strategies to

hatchery managers and fishery biology managers to minimize effects of diseases and serve as INAD monitor at State facilities using INAD drugs and chemicals. The incumbent will assist with testing and developing protocols for using new drugs and chemicals to control fish diseases, assist in designing research to investigate the mechanisms of diseases caused by certain pathogens, and based on findings, recommend therapies or management strategies. The incumbent will also inspect fish entering the State from other States or countries.

Additional Information:

Working Title	Position Number
None Specified	565 - 033 - 0840 - 004
Location	County
Rancho Cordova	SACRAMENTO
Timebase	Tenure
Full Time	Permanent month(s)
Final Filing Date:	Department Link:
Until Filled	<a href="http://www.dfg.ca.gov">http://www.dfg.ca.gov</a>
Contact Unit/Address	Contact Name/Phone
Fish Health Laboratory 2111 Nimbus Road Rancho Cordova, 95670	Dr. Mark Adkison 916-358-2830

**CO-DIRECTOR AND INSTRUCTOR OF BIOLOGY**

University of Wisconsin-Stevens Point  
College of Letters And Science  
Department of Biology

Position#: 12-22AS40

**Position Description:**

The University of Wisconsin – Stevens Point Northern Aquaculture Demonstration Facility (NADF) and the Department of Biology are offering a combined non tenure-track, Co-Director (12-month) and teaching academic staff (9-month) position. Primary responsibilities of the co-director of the NADF include leading a nationally recognized research, demonstration, education and outreach program that promotes and advances the development of aquaculture in a northern climate. They will also be expected to promote the NADF and help build collaborative relationships, both on and off-campus. Teaching load is 12 credits per year which includes undergraduate biology lectures and



labs for majors or non-majors depending on interests and department needs. Information about the NADF can be found at <http://aquaculture.uwsp.edu> and online course descriptions are available at <http://www.uwsp.edu/AcadAff/Pages/resources/catalog.aspx>

**Department/University Description:**

The University of Wisconsin – Stevens Point consistently ranks among the best regional state universities in the US. It is a comprehensive university with over 9,000 undergraduate and 400 graduate students that emphasizes undergraduate education. The Department of Biology places a strong emphasis on education and research experiences for undergraduates. Located in the central part of the state, Stevens Point has a population of about 25,000 in a metropolitan area of nearly 60,000 and offers a wide range of cultural and outdoor recreational opportunities. The Northern Aquaculture Demonstration Facility is located in Bayfield, WI where it fosters the development and growth of a sustainable aquaculture industry in WI and the Midwest. The NADF has facilities for cold, cool, and warm water fish culture, and pond, flow-through and recirculating culture systems.

**Qualifications:**

Broad training in biology with emphasis in aquaculture or fish biology and professional experience showing outreach, publications, research experience, grantsmanship, and clear commitment to undergraduate education required. Doctoral degree required.

**Appointment Date:**

July 1, 2012

**Terms of Employment:**

Teaching Academic Staff. Subject to annual review. Salary commensurate with qualifications.

**Application Procedure:**

Completed applications must include: 1) cover letter, 2) curriculum vitae, 3) one-page statement of teaching philosophy, 4) three letters of recommendation, and 5) unofficial copy of all undergraduate and graduate transcripts. Applications, supporting materials and correspondence should be addressed to: Co-Director/Biology Staff Position, Attn: Dr. Christopher Yahnke, Department of Biology, University of Wisconsin-Stevens Point, Stevens Point, WI 54481-3897, TEL: (715) 346-3228; FAX (715) 346-3624; email: [cyahnke@uwsp.edu](mailto:cyahnke@uwsp.edu)

**Deadline:**

Screening of applications will begin March 1, 2012 and continue until position is filled.

## **POSTDOCTORAL FELLOW (FISH HEALTH): UNIVERSITY OF IDAHO, MOSCOW IDAHO USA**

The postdoctoral fellow will play a significant role on one or more projects related to vaccine and probiotic product development for the control of coldwater disease in aquaculture facilities. The candidate is expected to work closely with aquatic animal health companies and regulatory agencies (e.g. USDA), as well as private and public aquaculture facilities to facilitate the licensing and commercialization of these fish health products. The ideal candidate will have completed Ph.D. studies in a relevant biological discipline or have previous postdoctoral or industry experience. The individual must be a leader and possess excellent verbal, written and technical skills needed to complete required tasks in a timely manner. A demonstrated record of accomplishment is required and the successful applicant will be expected to publish research results in appropriate high quality journals. Additionally, it is expected that the candidate will work with the PI to obtain external funding to support new and ongoing projects. This position will be offered as a one-year contract contingent upon further funding.

Specific research will primarily be focused on laboratory and field trials required for licensing of a coldwater disease vaccine for aquaculture. The candidate will be expected to assist in the design of experiments, collect data, summarize results, produce reports for submission to appropriate regulatory agencies, and publish in refereed journals. Periodic travel will be required to present research findings, assist with field trials, and collect samples from hatchery locations for laboratory analysis. The candidate should have demonstrated proficiency in all aspects of microbiology and a strong background in molecular and immunological techniques such as SDS-PAGE, Western blotting, 2-D PAGE, histology/immunohistochemistry, ELISA, PCR, etc.

### **RESPONSIBILITIES:**

The candidate will spend the majority of his/her time conducting research aimed at licensing fish vaccines and/or probiotics for use to prevent or control disease in aquaculture. This position requires experience in bacteriology, microbiology, molecular biology and immunology. The successful candidate will work closely with commercial partners and be expected to coordinate the production and testing of fish health products. The position will require both *in vivo* and *in vitro* experimentation to evaluate vaccine preparations.

The candidate will be expected to present research results in a variety of settings including Regional, National, and International conferences. The candidate will also provide periodic presentations updating research progress to industry and the public.

From time to time the candidate may be asked to help out with relevant labs and train graduate and undergraduate students on laboratory techniques.

This position will require some indirect and direct supervision of students in the laboratory.

**MINIMUM QUALIFICATIONS:**

Education: Ph.D. degree in Microbiology, Molecular biology, Aquaculture,  
Fisheries or closely related field

Demonstrated oral and written communication skills

Demonstrated ability to work independently and with a group

**ADDITIONAL DESIRABLE QUALIFICATIONS:**

Previous aquaculture experience  
Experience with USDA licensing processes  
Demonstrated publication record  
Grant/proposal writing skills  
Proven record of acquiring outside/external research funding  
Previous postdoc experience

**Closing date:** Open until filled (looking to start someone as soon as possible)

**For additional information please contact Ken Cain (see below).**

**If interested in applying, please include a copy of your current CV and a list of references**

**Ken Cain**

Professor: Department of Fish and Wildlife Resources  
Associate Director: Aquaculture Research Institute  
University of Idaho  
PO Box 441136  
Moscow, ID 83844-1136  
p: 208-885-7608  
f: 208-885-9080  
email: [kcain@uidaho.edu](mailto:kcain@uidaho.edu)

**NEWS**

**NEW AQUACULTURE DRUG UPDATE**

<http://www.fws.gov/fisheries/aadap/2012%20Updates.htm>