



# Fish Health Section



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

## FHS NEWS

### **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.

### **AFS-FISH HEALTH SECTION MEETING – Second 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!

**Student Travel Award:** Applications are now being accepted for the "AFS-FHS Snieszko Student Travel Award" for the upcoming July 31st to Aug 2nd, 2012 meeting at the Radisson Hotel in LaCrosse WI. Students should submit a pdf file containing: a letter explaining need and value to the conference, draft abstract, student CV, and 3 letters of recommendation before May 1st to: Dr. David B. Powell [davidp@profishent.com](mailto:davidp@profishent.com) AFS-FHS Awards Committee Chairman 17806 NE 26th St. Redmond, WA 98052

### **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)

**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**

### **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: [cyaahnke@uwsp.edu](mailto:cyaahnke@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  
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**NEWS**

**NEW AQUACULTURE DRUG UPDATE**

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