

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

Reminder: An archive of these updates is posted on the website with the password: fhs

## **FHS NEWS**

### **SIXTH INTERNATIONAL SYMPOSIUM ON AQUATIC ANIMAL HEALTH (ISAAH-6)**

**Sept. 5 - 9, 2010, in Tampa, Florida, USA**

<http://aquaticpath.epi.ufl.edu/isaah6>

The symposium venue will be the beautiful Tampa Marriott Waterside Hotel, which features elegant accommodations, a choice of restaurants, an outdoor pool, and waterfront terraces. Base room rates have been specially-negotiated at \$129 USD, single or double. Tampa is an eclectic city, with many nearby attractions, and is served by an excellent international airport.

Registration, abstract submission, travel grant applications, and hotel reservation information, will be available in early spring 2010. More information is available on symposium website.

## **WEBSITE UPDATES**

The AFS-Fish Health Section website has a new discussion forum available to all members. Click on the link, register for username/password, log on and start posting and participating in the various discussions. Your voice can be heard beyond the annual meetings and personal communications with FHS Committee Members and Executive Committee!!!"

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

<http://www.fisheries.org/fhs/meeting.htm>

## **JOBS**

### **CANADA RESEARCH CHAIR (TIER 2) IN AQUATIC HEALTH SCIENCES**

Date of Posting:

Oct 1 2009

Aquatic Health Sciences

Canada Research Chair (Tier 2) in Aquatic Health Sciences

Competition Number:

33A09

Bold, dynamic, and engaged in world-recognized aquatic health research, researchers in aquatic health sciences at UPEI and its Atlantic Veterinary

College (AVC) are studying aquatic ecosystems from the dual and interconnected perspectives of improved aquaculture systems and maintenance of environmental integrity.

A strong team of UPEI Faculty of Science researchers is concerned with anthropogenic effects on a broad range of aquatic ecosystems, while the AVC is highly recognized for its aquaculture focus. Collaborative research groups such as the AVC Lobster Science Centre, the Centre for Aquatic Health Sciences, the Centre for Marine and Aquatic Resources, the Canadian Rivers Institute and the Shellfish Research Group characterize capacity and breadth of expertise.

Closing Date:

Nov 26 2009

Application Instructions:

Instructions for application are provided at [www.upei.ca/research/chair](http://www.upei.ca/research/chair). UPEI is an equal opportunity employer and encourages applications from qualified women, Aboriginal people, persons with a disability, and racially visible persons. In accordance with Canadian immigration requirements, all qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. UPEI is committed to the principle of equity in employment.

### **MS RESEARCH ASSISTANTSHIP-FLOW AND SEDIMENT EFFECTS ON KLAMATH RIVER POLYCHAETES**

**Location:** Humboldt State University, Arcata, CA. Degree major within the College of Natural Resources and Sciences, Fisheries Option; in affiliation with the USGS California Cooperative Fish and Wildlife Research Unit.

**Responsibilities:** The research will evaluate effects of flow and sediment on the survival and dispersal of the freshwater polychaete, *Manayunkia speciosa* in artificial stream channels. *M. speciosa* is the invertebrate host for the myxozoan parasite *Ceratomyxa shasta* that infects and causes significant mortality in juvenile salmon in the Klamath River. Research will assess the potential for using flow and sediment manipulations as a strategy for disrupting disease dynamics by controlling polychaete populations to enhance salmon survival. The selected candidate will maintain a lab culture of Klamath River polychaetes and conduct short-term trials examining polychaete response to manipulations of velocity and sediment composition. The candidate will participate as a team member of a large multi-institutional research effort to help reduce incidence and severity of salmon diseases and to guide future recovery plan efforts in the Klamath River. The candidate will be advised by Dr. Peggy Wilzbach.

**Qualifications:** B.S. degree in biology, fisheries, ecology, or related environmental science field; minimum combined score of 1000 on verbal + quantitative GRE's and minimum GPA of 3.00 on last 60 units of undergraduate work; physical ability to travel and conduct field and laboratory research. Desired qualifications include knowledge or interest in invertebrate ecology and

in the flow environment of streams; good writing, communication, and interpersonal skills; and a strong work ethic.

**Salary (stipend):** \$15,600/year (12 months) for at least two years, contingent upon satisfactory academic and research progress. Salary is funded by an extramural grant administered by the Humboldt State University Sponsored Programs Foundation.

**Starting Date:** Available January (spring semester) 2010 or later.

**Contacts:** Please send a letter of interest, resume, unofficial copies of GRE scores and college transcripts, and contact information for three references. The selected applicant will apply to the appropriate graduate program through the Humboldt State University Office for Research, Graduate Studies, and International Opportunities.

([http://www.humboldt.edu/~gradst/new\\_student.php](http://www.humboldt.edu/~gradst/new_student.php)).

**Materials should be sent to Dr. Peggy Wilzbach**

USGS California Cooperative Fish and Wildlife Research Unit

Humboldt State University

1 Harpst St.

Arcata, CA 95521

Phone: 707-826-5645

email: [wilzbach@humboldt.edu](mailto:wilzbach@humboldt.edu)

<http://www.humboldt.edu/~paw7002/>

## **RESEARCH SCIENTIST**

Novartis Animal Health, Aqua R&D site, Victoria, PEI, Canada

Job Description: **Scientist, Clinical and Molecular Virologist**

### **About Novartis Animal Health Aqua Business:**

Novartis Animal Health, Aqua Health Business specializes in the research, development and commercialization of vaccines and pharmaceuticals to aid in the prevention of disease in fish species. Vaccine research, development and clinical testing in the target species are housed at the main Aqua R&D site located in Victoria by –the-Sea, Prince Edward Island, and this proximity allows for the efficient advancement of vaccine research and development. From 2005 – 2009 new Aqua vaccines were introduced into global markets. One of these vaccines, Apex-IHN® is the first DNA-based vaccine to be sold in the world. NAH Aqua provides a dynamic environment that offers exciting opportunities for growth and learning.

### **About the position:**

We are looking for an experienced individual with an in-depth and expansive knowledge of viral pathogenesis (Herpesviridae, Orthomyxoviridae and Rhabdoviridae families for example would be an asset) and molecular virulence factors as it relates to disease. The ideal candidate would be able to lead the discovery and research of novel candidates for vaccine design and contribute to the development of viral challenge models for vaccine testing. He or she would

have excellent analytical and conceptualization skills, and would be able to collaborate and communicate effectively with other team members.

**Responsibilities:**

Supports the research and development of viral vaccines for fish species.  
Develops viral challenge models in fish species in collaboration with the clinical investigator for use in vaccine testing.  
Conceptualizes strategies and executes experimentation towards achieving proof of concept for viral vaccines using conventional virins or biotechnology based methods.  
Writes summary reports to support new product research and development.  
Analyzes and presents data in a clear, accurate and concise manner.  
Represents the company at local and international conferences.

**Qualifications:**

- ~ PhD in Virology with 4+ years post-doctoral experience
- ~ A strong command of standard virology techniques (virus isolation, virus quantification {eg. plaque assays, qPCR, TCID<sub>50</sub>}, virus growth optimization and genetic modification).
- ~ Experience with in vivo challenge model development including an assessing disease pathology and vaccine efficacy would be an asset.
- ~ Background in immunology and vaccinology would be an asset.

**ANIMAL BIOLOGIST/MICRO/FISH BIOLOGIST – USDA**

<http://jobview.usajobs.gov/getjob.aspx?JobID=84295275&sort=rv&vw=d&brd=3876&ss=0&FedEmp=N&FedPub=Y&q=ames+iowa&AVSDM=2009-11-02+00%3a03%3a00&rc=4&TabNum=1>

SALARY RANGE: 56,411.00 - 87,893.00 USD /year

OPEN PERIOD: Monday, November 02, 2009 to Monday, November 23, 2009

SERIES & GRADE: GS-0403

POSITION INFORMATION: Full-Time Permanent

PROMOTION POTENTIAL: 12

DUTY LOCATIONS: Ames, IA

**About the Position**

The incumbent serves as an Aquaculture Wet Lab Scientist at the National Veterinary Services Laboratories (NVSL) located in Ames, Iowa. The position involves many applications and practices of aquatic animal (defined as fish, mollusks, crustaceans) biology, but will also require knowledge and skills for analytical work related to developmental projects and routine diagnostics. The incumbent will be responsible for determining biological facts, principles, methods, techniques, and procedures which are necessary for the management of the aquatic wet laboratory facilities.

**RESOURCES**

**NEWS**

**INDUSTRY NEWS**