



Fish Health Section



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

FHS NEWS

LISTSERV NOTICE

I plan to purge the listserv mailing list sometime in the near future, so please make sure that your membership is current. If you stop receiving this and you feel that is a mistake, please contact me. – Jerri

PRE-ANNOUNCEMENT: 2014 INTERNATIONAL SYMPOSIUM ON AQUATIC ANIMAL HEALTH

I am pleased to announce that this meeting will be held in Portland Oregon, Aug 31 – Sept 4, 2014. Stay tuned for details as meeting planning progresses. I do promise a great venue and fun events – of course the scientific program will be outstanding.

ANNOUNCING THE 54TH WESTERN FISH DISEASE WORKSHOP AND AFS FISH HEALTH SECTION MEETING



We are pleased to announce the 2013 Western Fish Disease Workshop and Annual Meeting of the AFS Fish Health Section in Port Townsend, WA from June 18-20, 2013. Port Townsend (population 9,000) is a beautiful Victorian seaport, located on the northwest shore of Puget Sound, only a 2 hour drive from Seattle and SeaTac airport. The meeting will be held at the newly constructed Northwest Maritime Center, with spectacular views of Port Townsend Bay and the Strait of Juan de Fuca. Information on registration, abstract submission, and lodging options will be available in early 2013. For more information, please contact Paul Hershberger (phershberger@usgs.gov) or Jake Gregg (jgregg@usgs.gov).

JOURNAL OF AQUATIC ANIMAL HEALTH

Volume: 24, Number: 4 (In Progress)

Spatial and Temporal Variation of Whirling Disease Risk in Montana Spring Creeks and Rivers (p. 201-212)

Ryen A. Neudecker, Thomas E. McMahon, E. Richard Vincent

Effect of Dietary Supplementation with *Achyranthes aspera* Seed on Larval *Rohu Labeo rohita* Challenged with *Aeromonas hydrophila* (p. 213-218)

R. Chakrabarti, P. K. Srivastava

Effects of Garlic and Ginger Oils on Hematological and Biochemical Variables of Sea Bass *Dicentrarchus labrax* (p. 219-224)

Sevdan Yilmaz, Sebahattin Ergün

***Myxobolus neurotropus* Infecting Rainbow Trout in Alaska, a New Geographic Record (p. 225-231)**

Collette R. Bentz, Carla I. Hogge, Theodore R. Meyers, Jayde A. Ferguson

Spring Viremia of Carp Virus in Minnehaha Creek, Minnesota (p. 232-237)

Nicholas B. D. Phelps, Aníbal G. Armién, Sunil K. Mor, Sagar M. Goyal, Janet V. Warg, Ranjit Bhagyam, Tim Monahan

The Use of a One-Step Real-Time Reverse Transcription Polymerase Chain Reaction (rRT-PCR) for the Surveillance of Viral Hemorrhagic Septicemia Virus (VHSV) in Minnesota (p. 238-243)

Nicholas B. D. Phelps, Devi P. Patnayak, Yin Jiang, Sagar M. Goyal

The Impact of Mitochondrial and Thermal Stress on the Bioenergetics and Reserve Respiratory Capacity of Fish Cell Lines (p. 244-250)

Benjamin H. Beck, S. Adam Fuller

Clinical and Pathological Effects of the Polyopisthocotylean Monogenean, *Gamacallum macroura* in White Bass (p. 251-257)

Elsburgh O. Clarke, Craig A. Harms, J. McHugh Law, James R. Flowers, Valerie N. Williams, Brad D. Ring, Andrew S. McGinty, Michael Hopper, Craig V. Sullivan

Impact of Thiamine Deficiency on T-cell Dependent and T-cell Independent Antibody Production in Lake Trout (p. 258-273)

Christopher A. Ottinger, Dale C. Honeyfield, Christine L. Densmore, Luke R. Iwanowicz

Predicted Redistribution of *Ceratomyxa shasta* Genotypes with Salmonid Passage in the Deschutes River, Oregon (p. 274-280)

Matthew E. T. Stinson, Jerri L. Bartholomew

STUDENT SECTION

The Student Subcommittee is pleased to announce that the first member profile has been posted on the student web site. To read more about Nick Phelps, a Ph.D. candidate at the University of Minnesota, go here <http://afs-fhs-students.blogspot.com/2012/10/student-profiles.html>.

We'd also like to remind advisors to encourage their students to sign up and get involved in the Fish Health Section. If you have any news/information you'd like posted on the website or would like to volunteer for the next profile, please contact Amy Long and Sarah McConnachie at student.section.fhs@gmail.com.

OTHER MEETINGS

THE 2013 AQUATIC ANIMAL MODELS FOR HUMAN DISEASE AND MIDWEST ZEBRAFISH CONFERENCE – see attached [AAMHD-MWZfish 2013.pdf](#)

30 June – 3 July 2013 • Hilton Milwaukee Downtown, 509 W. Wisconsin Ave.
Hosted by the University of Wisconsin-Milwaukee

Contact:

Dr. Michael Carvan
School of Freshwater Sciences
carvanmj@uwm.edu

The 2013 Aquatic Animal Models for Human Disease and Midwest Zebrafish Conference will bring together researchers from all over the world to address emerging issues of human disease biology and the role aquatic animal models can play. The Program Committee has designed a meeting with an aim to highlighting recent advances in human biomedicine and environmental health in which aquatic animal models played an important role as well as promising new applications and directions.

Aquatic animals have played important roles in advancing our understanding of the origins of human disease and for the study of strategies for prevention and/or therapy.

In many cases, the best choice for an animal model of human disease is aquatic; the most-widely known is zebrafish. The Aquatic Animal Models for Human Disease Conference is unique in that it does not simply focus on one species or one disease but provides a breadth of current approaches not found in other venues. The 6th conference in this series that brings together researchers from the U.S. and around the world that employ aquatic animal models in their studies of human diseases is to be held in Milwaukee, Wisconsin, and hosted by the University of Wisconsin-Milwaukee. The Midwest Zebrafish Conference is a gathering of scientists and researchers that focus on the use of zebrafish in their basic biological and biomedical research. These two conferences will be held jointly such that investigators using different models and employing different approaches can engage in dialog and exchange ideas. The program has been designed by recognized leaders in the field to provide state-of-the-art information on advances in the use of aquatic animals in biomedical research and the technologies employed.

Preliminary scientific sessions and workshops are listed below. Additional sessions will be added based on submitted abstracts.

- Perspectives on Aquatic Animal Models of Human Disease
- Genome Evolution; Bioinformatic approaches to whole genome analysis
- Cellular Dynamics in Disease
- Neuroplasticity and Tissue Regeneration
- Growth regulation, energy metabolism and obesity
- Neural Basis of Behavior
- Oceans and Human Health
- Educational use of laboratory aquatic organisms
- High-content imaging and anatomical atlases
- Environmental modulation of immune system function

JOBS

DEPARTMENT OF NATURAL RESOURCES - VETERINARIAN - SENIOR

Job Announcement Code(s): 12-04269:

http://wisc.jobs/public/job_view.asp?annoid=62727&jobid=62242&index=true

<u>County(ies):</u>	*Statewide
<u>Classification Title: / JAC:</u>	VETERINARIAN-SENIOR 12-04269
<u>Job Working Title:</u>	(Fish Health Veterinarian)
<u>Type of Employment:</u>	Full Time (40 hrs/week)
<u>Salary:</u>	Starting salary will be between \$28.00 and \$36.343 per hour with excellent benefits. Schedule/Pay Range 15-03. A 12-month probationary period is required.
<u>Contact:</u>	Dionne Boedeker 608-266-6831, DionneL.Boedeker@wisconsin.gov
<u>Bargaining Unit:</u>	Non-Represented
<u>Area of Competition:</u>	Open
<u>Deadline to Apply:</u>	12/3/2012
<u>Exam Information:</u>	33202 - 002 VETERINARIAN-SENIOR Preview Exam

The Department of Natural Resources is currently recruiting for a Fish Health Veterinarian in the Bureau of Fisheries Management. If you have a license to practice veterinary medicine, or is qualified to obtain one in the State of Wisconsin, we would like for you to consider applying for this position. This position reports to the Central Office in Madison, however the headquartered location for this position will be negotiated with the successful candidate, location flexibility depends on current office space and proximity to assigned fish hatcheries.

Job Duties:

This veterinarian provides fish health services to the Fisheries Management program which includes staff at state fish hatcheries, regional operations and regional offices. The primary focus of this position is to assure that the DNR meets fish health standards for importation and stocking of fish, according to standards established by the Department of Agriculture Trade and Consumer Protection Administrative Codes. Duties include conducting fish health inspections at state fish hatcheries, cooperative rearing facilities, and spawning weirs; issuance of fish health assessments for fish reared at DNR facilities, as well as wild fish transfers. Act as the DNR liaison on fish health issues to the Department of Agriculture Trade and Consumer Protection, and works closely with them to insure that the sources of fish imported by the DNR meets specific requirements. This position will develop management practices and protocols related to preventing and minimizing the impact of diseases at our fish hatcheries, and will assist field staff with their implementation. Provide and receive training on aspects of fish health, and will respond to fish health inquiries from the public.

Special Notes:

This position will be expected to work without direct supervision, but collaboratively with other fish health management and fish culture staff specialists. Within six months of appointment the person selected must meet Department of Agriculture Trade and Consumer Protection standards for fish health officials who can issue health certificates. Significant travel throughout the state is required; some overnight travel

may be necessary as well as extended (long) working hours. Headquarter location will be negotiated with the successful candidate.

Job Knowledge, Skills and Abilities:

A Doctor of Veterinary Medicine degree, and eligibility to obtain a valid license to practice in the State of Wisconsin prior to appointment is required. Principles of fish health, animal husbandry, fish propagation, biosecurity, bacteriology, virology, parasitology, fish ecology, and fish biology. Basic computer skills using word processing, spreadsheets, database, and presentations skills.

How To Apply:

Apply Online! Preview the exam by clicking the Preview Exam link at the top of this page to read the instructions and to prepare your responses in a word processing document. Your response to the questions is the examination and will be used to determine your eligibility for this vacancy. Once you have completed your response to the examination, follow the steps below.

- Step 1: If you have not already done so, you will need to create an account.
- Step 2: After you are logged in and are viewing the announcement, click 'Apply Now'.
- Step 3: Provide your personal information and job preferences.
- Step 4: Paste in your responses to the exam and click 'Finalize'.

If you need assistance with the online application process, contact Dionne Boedeker at 608-266-6831 or DionneL.Boedeker@wisconsin.gov

The deadline to apply is December 3, 2012. Responses to the questions will be evaluated and the most qualified candidates will be invited to participate in the next phase of the recruitment process.

PHD CANDIDATE POSITION AT AQUACULTURE RESEARCH INSTITUTE, UNIVERSITY OF MAINE, ORONO CAMPUS, USA.

The Aquaculture Research Institute at the University of Maine invites applications for a four-year PhD studentship modeling the infectious pressure of the salmon louse within the coastal zone where salmon aquaculture occurs. The work is connected to a recently funded NOAA Sea Grant project on the role of farmed and wild salmonids in modulating the infectious pressure of the salmon louse. Minimal requirements for this position are a MSc. in marine science, parasitology, zoology, oceanography or related field; however, an exceptional candidate without an MSc may be considered. Preferred qualifications are experience in at least one (and preferably more) of the following areas: ecological modeling, salmon louse biology, DNA extraction, PCR and sequencing, and statistical analysis. The preferred candidate will have published (or submitted) their master's dissertation in peer-reviewed journals.

The position is a full-time, 1-year appointment, renewable up to four years depending on progress and continued funding. The search will remain open until at least January 31st, 2013 or until the position is filled. The position is available to start January 2013. The

candidate will be based at the University of Maine, Orono campus, USA. The studentship covers stipend, currently \$17,800, tuition fees and 50% of the health insurance costs.

Applicants should send their CV, a brief description of research interests (2 pages max), and contact information for three references to sarah.barker@umit.maine.edu. **Please reference Job #PhD-2013-1 in the subject line.** Specific questions about the position may be addressed to Dr. Ian Bricknell at ian.bricknell@umit.maine.edu. Suitable applicants will be interviewed for the position. University of Maine is an Equal Opportunity Employer.

VETERINARIAN – AQUACULTURE, SHELBURNE (PERMANENT)

Department of Fisheries and Aquaculture

“Aquaculture Division”

Please quote Competition #/EOI Number

Our goal is to be a diverse workforce that is representative, at all job levels, of the citizens we serve. The Government of Nova Scotia has an Employment Equity Policy and we welcome applications from Aboriginal People, African Nova Scotians and Other Racially Visible Persons, Persons with Disabilities and Women in occupations or positions where they are under-represented. If you are a member of one of the equity groups, you are encouraged to self-identify, on your application form, cover letter, or on your resume.

Duties:

Reporting to the Provincial Fish Health Veterinarian, Aquaculture Division, the incumbent provides a full spectrum fish health extension service, including the provision of rapid and competent disease diagnosis for the aquaculture industry and to the fish culture section of the Office.

Laboratory and other findings are reported to the producer where required, recommendations are made for treatment and/or control. The incumbent will routinely serve as the practitioner and will be responsible for the clinical care for the stocks in question. Will represent the province and provide services to fulfil mandates of the Office legislation and policy.

Conduct field investigations into fish health problems on private farms within the aquaculture industry and on the Office's fish culture facilities, including the collection and field preparation of specimens for laboratory analysis.

Conduct post mortems, examine specimens and run tests to diagnose fish diseases. Conduct investigative research of fish disease problems and their treatment.

Provide written reports or findings and consult with Aquaculturists, Fish Health Officials and practising Veterinarians, both in person and by telephone. Prepare and deliver presentation to Aquaculturists, Government Officials, students and the public on fish health matters.

Administrative and supervisory duties that include ordering laboratory supplies, verifying and signing reports and provide supervision and direction to fish health staff.

Represent the Province on fish health matters to Provincial counterparts and Federal Regulatory bodies; provide direction regarding divisional fish health policy.

Qualifications:

The successful candidate must have a Doctor of Veterinary Medicine and meet the qualifications for license to practice with the Nova Scotia Veterinary Medical Association. The candidate must have excellent skills in communicating with clients, colleagues and other government officials. Background and training in aquatic animal health is an asset. The candidate must be capable of extensive travel, work in remote areas, on the water around fish farms and boats, working extended hours and be available for on-call duty. A driver's license is required, as well as computer literacy.

Specialty statements:

An offer of employment is conditional upon the completion of all applicable background checks and confirmation of credentials, the results of which must be satisfactory to the employer.

Pay Grade: PR14-19

Salary Range: \$56,044.82 - \$83,638.10/annually
(Eligibility of a market adjustment of 15% may be applicable.)

Closing Date: 6 weeks from posting date

Applications from all qualified candidates are welcomed and encouraged.

If CBX insert:

For Bargaining Unit positions, in accordance with the Civil Service Master Agreement, NSGEU Civil Service bargaining unit applications will be considered first. If you are an NSGEU Civil Service member, please indicate in your cover letter or resume that you have bargaining unit status and include your civil service employee ID number. Failure to do so will mean your application will not be given first consideration and will only be included if external applications are pursued.

If EOI insert:

*This is a bargaining unit position initially restricted to current civil service employees represented by the Nova Scotia Government Employees Union. **Applicants applying for this opportunity must clearly indicate in their covering letter or resume that they are a Nova Scotia Government Civil Service Employee and a member of the NSGEU and include their Employee ID.** Failure to do so means that your application will not be given first consideration and will only be included if external applications are pursued. Your Employee Self-Serve access will allow you to confirm what your employment status and ID number are prior to applying for this restricted position.*

External applicants and current casual Nova Scotia Government employees will only be considered if there are no qualified Nova Scotia Government Civil Service NSGEU bargaining unit candidates.

To Apply:

If CBX insert:

To Apply:

- **Please ensure you demonstrate** in your application how you meet the above qualifications. In your cover letter, identify the competition number, position and department.
- **To apply for this position**, simply click the **“Apply Now”** button. To better serve you, we are using a user-friendly on-line application system through Career Beacon.
- **First time users to this on-line application system** simply need to complete a quick basic registration. You will receive a username and password by email right away. (If you do not receive the email, please check your junk mail folder to ensure that it did not get directed there.) Once registered, you will be able to upload your resume and cover letter in seconds or you can create them using the editor option in the system. Clicking on the “Apply Now” button, will bring you to the registration or sign on screen. If you encounter any difficulties with your registration or **technical issues**, simply call **1-888-878-7637** for assistance (Mon-Fri, 8:30-4:30).
- **If after speaking with Career Beacon** you are still unable to apply using this online system (*check with your local library or CAP (Community Access Program www.nscap.ca) site for free computer/internet access*), please call (902) 424-XXXX to make other arrangements to submit your application. It is important that you contact us prior to the closing date.
- **Benefits of applying online** - The system will allow us to send an immediate confirmation email that your application was received. In addition, you can store your application on the system and access a copy of it as well as the posting at a later date if needed.

If EOI insert:

- **Please ensure that you demonstrate** in your application how you meet the above qualifications. In your cover letter, ensure that you identify the EOI number, position and department.
- **To apply for this position...**
- **If you are unable to apply using this online system**, please call **(applicable CAA tel number)** (902) (>>>>) to make other arrangements to submit your application.

When applying please enter your resume in Text Format Only. Applications and resumes must be received by midnight on the date of closing.

Prior to an offer being made, the employee will be asked to sign and agree to the following statement:

“I understand and agree that I will be required to pay any/all costs related to my relocation, should I be offered a lateral transfer to a position located outside my current geographic location.”

We thank all applicants for their interest, however, only those selected for an interview will be contacted.

NEWS AND RESOURCES