Fish Health Section

The official link to the FHS website is: http://www.afs-fhs.org/

FHS NEWS

2014 INTERNATIONAL SYMPOSIUM ON AQUATIC ANIMAL HEALTH

Portland, Oregon
Aug 31 – Sept 4, 2014

The website is up!
http://microbiology.science.oregonstate.edu/content/isaah

We will be continually updating information on the program, special events and news for students, so keep checking back.

Registration will be launched March 1, so you will receive an additional update at that time.

PROPOSAL TO MAKE THE BLUE BOOK OPEN ACCESS

A major goal of the AFS Fish Health Section (FHS) is to promote the development and use of standardized, reliable techniques for detection, diagnosis and management of certain diseases of aquatic animals. This goal is primarily achieved through the bi-annual publication of the AFS Blue Book – 'Suggested Procedures for the Detection and Identification of Certain Finfish and Shellfish Pathogens'. Many different FHS members have dedicated considerable time and effort over the years to develop and maintain the high quality information contained within the Blue Book. Section 2 of the Blue Book ('The Inspection Manual') outlines fish inspection methods that are used by many private, tribal, state and federal agencies. The Inspection Manual is currently open access and hosted on the FHS website. Here, the technical standards committee proposes to make the entire Blue Book open access on the AFS-FHS website. The specific details of this proposal are outlined below.

The purpose of this posting is to solicit comments on the proposed change.
Send your comments to any Technical Standards Committee member by January 31, 2014 (Note: although this deadline has passed, comments will continue to be received because of delays in listserv updates).

Maureen Purcell, Chair (mpurcell@usgs.gov)
Chris Whipps, Past-Chair(cwhipps@esf.edu)
Keven Snekvik (ksnek@vetmed.wsu.edu)
Nick Phelps (phelp083@umn.edu)

Financial Considerations: The cost of publishing the Blue Book on CD in 2010 was $2827 and the net profit on this edition was $3438. In 2012, the cost of publishing increased to $4930 and the net profit has been $173 to date. Sales from the Blue Book

are not a major source of income to the section and the cost of publishing has increased dramatically. The online 'open access' version would be formatted by members of the Technical Standards Committee and placed online by the current AFS FHS webmaster. Producing the online version would incur no additional cost to the section.

Publishing schedule: The Blue Book is currently published on a bi-annual cycle. By simplifying the publishing process, the technical standards committee could return to an annual publication cycle. Changes would not occur during the intervening time to ensure that any change has undergone rigorous review by the Technical Standards Committee and/or by the Revision and Oversight Committee. The annual update would be advertised by newsletter, at the annual business meeting, on the website itself and through other suitable outlets.

Format: The formatting would follow the example of the World Organization for Animal Health (OIE) Manual of Diagnostic Tests for Aquatic Animals (http://www.oie.int/international-standard-setting/aquatic-manual/access-online/). The formatting would be greatly simplified. The chapters would be outlined with hyperlinks that connect to downloadable PDF files. This should ease navigation through the Blue Book and facilitate downloading and printing files.

Benefits: An online, open access format will attract a new audience for the Blue Book and enhance the Section's reputation as a leading source for high quality and relevant information on the detection and diagnosis of aquatic animal diseases. This change would considerably reduce the workload of the Technical Standards Committee and redirect their time and effort into revising out of date chapters and soliciting new chapters on important aquatic animal pathogens.

STUDENT SUBSECTION

Hello FHS students!

Please see the student blog for a new mentor profile with FHS president Dr. Paul Hershberger: http://afs-fhs-students.blogspot.ca/

We are looking for submissions for both students and mentors so if you or your adviser are interested, please send us an e-mail at student.section.fhs@gmail.com.

Thanks,

Sarah McConnachie

LOOKING FOR FUTURE AFS LEADERS

The AFS Emerging Leaders Mentorship Award (ELMA) Program was recently established to develop future leaders of the Society, and the fisheries profession as a

whole, by providing selected candidates an opportunity to participate for one year in activities of the AFS Governing Board. Up to $2,000 will be allocated annually by the Society to fund partial travel for up to four candidates per year with a maximum of $500 per candidate. Participants in the program will be selected based on their level of involvement in AFS, as well as their potential for assuming leadership of an AFS unit in the future.

For more information, click on the following link: http://afsmembers.org/emerging-leadership-award-2014/. Submit your application for the ELMA by the April 1 deadline to Jim Bowker (Award Chair) at jim_bowker@fws.gov and cc: Pam Sponholtz (Western Division President) at pam_sponholtz@fws.gov. If you know of a candidate for this award, please encourage them to submit an application.

MEETINGS AND WORKSHOPS

"HEALTH AND COLONY MANAGEMENT OF LABORATORY FISH"

Mount Desert Island Biological Laboratory Bar Harbor, Maine
17 – 22 August 2014

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 13, 2014.

The course is offered at the Mount Desert Island Biological Laboratory, Salisbury Cove, Maine during the period of 17 - 22 August 2014. 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/

JOBS

FISH PATHOLOGIST
BC Public Service
Ministry of Agriculture
Abbotsford, B.C.

The Ministry of Agriculture's Animal Health Centre provides veterinary diagnostic laboratory services for the livestock, poultry and fin-fish production industries in the Province of British Columbia. Under agreement with Fisheries and Oceans Canada, we support the Federal Fish Health Program.

The Fish Pathologist provides veterinary expertise and leadership in the specialized field of veterinary fish diagnostic pathology. You will work collaboratively with the current Fish Pathologist to accurately diagnose the cause of death, disease, or poor production in submitted fish specimens, prepare reports, and provide recommendations. For a candidate early in their career, this position offers an opportunity to work with a senior fish pathologist as a mentor and colleague.

If you are a skilled veterinarian seeking a new challenge and a position where you can make a difference, we look forward to your application.

This is an excellent opportunity for a pathologist interested in fish to see a large and diverse case load and to work with a group of highly skilled and experienced veterinarians and scientists in an AAVLD (American Association of Veterinary Laboratory Diagnosticians) accredited laboratory.

If you're looking to live and work in a location that's equally close to the amenities of Vancouver and the coastal mountain range, please consider this exciting opportunity to live and work in Abbotsford – right in the middle of the scenic Fraser Valley.

To learn more, including how to apply online by March 7, 2014, please visit:
https://search.employment.gov.bc.ca/cgi-bin/a/highlightjob.cgi?jobid=18185

Attention: only applications submitted through the BC Public Service's employment website (see link above) will be accepted.

FISH & WILDLIFE HEALTH SPECIALIST – see attached 00678-14 Fish Health.pdf
State of Washington
Opening date 1/21/14

CHIEF EXECUTIVE OFFICER, BC CENTRE FOR AQUATIC HEALTH SCIENCES

The British Columbia Centre for Aquatic Health Sciences (BC CAHS) invites applicants for the position of Chief Executive Officer. The BC CAHS is a nonprofit, financially strong, diagnostic and research lab, established in 2004, that works to improve the

aquatic environment by developing and applying scientific knowledge to the health and welfare of aquatic animals and ecosystems.

We work in collaboration with academic research programs, industry and coastal community groups and government agencies. As a West Coast leader in the development of aquatic health diagnostics, BC CAHS strives to improve productivity and environmental sustainability of aquaculture, wild and enhanced fisheries.

Key responsibilities of this position include:

- Overseeing the planning, implementation and evaluation of the organization's programs and services
- Business plan preparation and financial management with operational funding from government, academic, industry and community sources
- Strategic planning and the ability to evolve the future direction of the organization
- Leading independent research projects and service projects in aquatic health science
- Research and grant proposal writing
- Human resource management and cultivation of a positive work environment through leadership and teamwork
- Communication and outreach to the broader community

Required Skills & Experience

- MSc, PhD, or DVM in a field of aquatic health science or related work experience
- Demonstrated research experience, including peer-reviewed publication, in aquatic health science
- Demonstrated teamwork ability, effective leadership and communication with people at all levels of different types of organizations
- Business skills that support day to day operations as well as evolve the organization’s future direction
- Ability to communicate scientific information to multiple stakeholders
- Experience working with academics and industry executives as well as government
- A good understanding of the political and social environment of British Columbia, as it relates to aquaculture, is an asset
- Strong creative, strategic-thinking, analytical, organizational, and interpersonal skills
- Willing to work irregular hours and engage in occasional travel

The position is based in Campbell River, on Vancouver Island, BC, the third largest city on Vancouver Island (population 32,000) with excellent transport connections Community amenities and natural beauty of the surrounding wilderness playground offer an unparalleled lifestyle that gives residents, businesses and visitors room to grow and space to breathe. The salary will be commensurate with experience.

For further information about BC CAHS, consult the website (www.cahs-bc.ca). Deadline for curriculum vitae submission to BC CAHS is February 28, 2014. Send to admin@cahs-bc.ca or fax to +1(250) 286-6103. Employment start date will be April/May.

AQUATIC DISEASE MODELING - POST-DOCTORAL SCHOLAR POSITION

Name Aquatic disease modeling

Location Oregon State University, Corvallis, Oregon State University

Available February 2014

Closing Until filled

Position The candidate will work with a team of researchers on myxozoan pathogens (*Ceratomyxa shasta, Parvicapsula minibicornis*) of salmon in the Pacific NW. A long-term disease monitoring program on the Klamath River measures inter-annual variation in disease effects and severity. This position will collaborate on models being developed for predicting invertebrate host distribution and salmon disease mortality under projected future river conditions. The researcher will be responsible for integrating data from a variety of long-term datasets, for identifying information gaps and designing targeted studies to address these.

Qualifications Applicant should have analytical skills that include multivariate analysis, spatial and time series analysis, knowledge of river hydrology and geomorphology, climate change, fisheries biology and disease ecology. The position will primarily involve data analysis and scientific publication writing, but some field work and laboratory experimentation will be required. Field duties may include exposures of salmonid fish and sampling habitats for annelid hosts. The candidate will be expected to be available for travel to remote field sites, to work well in a team and to assume an active role in the maintenance and leadership of the lab. Diving experience useful.

Applicants should have a proven publication record and the ability to write efficiently. Applicants must have completed all requirements for their doctoral program in a biostatistics or biological science, with expertise in the fields of aquatic ecology, disease ecology or fisheries.

I look forward to discussing this position with interested candidates, and you may contact me at the contact address below.

Appointment 1.0 FTE; 1 year with the possibility for renewal based on a satisfactory performance review and the annual nature of federal funding.

Stipend and benefits are commensurate Postdoctoral Standards at OSU; more information can be found at http://gradschool.oregonstate.edu/postdocs

To Apply Send the following materials:

- letter of interest, describing how your experience, qualifications, and interests have prepared you for this position, and
- a resume including the names, addresses, and telephone numbers of three professional references, to:

Dr. Jerri Bartholomew
Director, John L. Fryer Salmon Disease Laboratory
Department of Microbiology
220 Nash Hall
Corvallis, OR 97331
Phone: 541-737-1856
Email: bartholj@science.oregonstate.edu
Website:
http://microbiology.science.oregonstate.edu/content/dr-jerri-bartholomew

POST-DOCTORAL RESEARCHER

To conduct studies on the pathogenesis of intracellular bacterial pathogens. Duties involve conducting a variety of cellular and molecular techniques involved in the characterization of the interaction of intracellular bacteria and host cells, including the role of Type III secretion system on programmed cell death and host cell physiology. Modern research laboratories are enhanced by centralized core facilities for nucleic acid synthesis and sequencing, hybridoma production, flow cytometry, quantitative PCR and microarray analyses, confocal microscopy, laser capture microdissection, and fluorescence and electron microscopy

Application can be made at
https://lsusystemcareers.lsu.edu/applicants/Central?quickFind=57039

Interested parties can contact me at thune@vetmed.lsu.edu if they have questions.

Ron Thune
PBS Department
LSU School of Veterinary Medicine
Skip Bertman Dr. & River Rd.
Baton Rouge, LA 70803
Phone: 225-578-9680

RESOURCES

WESTERN FISHERIES SCIENCE NEWS

Dear WFRC Colleagues, Partners and Friends;
Please enjoy the latest issue of our center newsletter, designed to update you on science, new publications, events and news from the U.S. Geological Survey Western Fisheries Research Center (WFRC). WFRC scientists conduct research on aquatic animal health; restoration ecology; and drivers of ecosystem change at six different field stations throughout Washington, Oregon and Nevada. We hope that this newsletter will help familiarize you with WFRC science and update you on our latest developments. Please forward to colleagues who may also benefit from these communications. To subscribe (or unsubscribe) to the Western Fisheries Science News mailing list, please do so at

http://wfrc.usgs.gov/newsletter/maillist.html
Read online: http://wfrc.usgs.gov/newsletter/

AADAP NEWSLETTER – see attached AADAP News_Dec2013.pdf

(1) The December 2013 issue of the AADAP Newsletter contained some incorrect information in the page 2 article titled *Aquaflor: New and Pending Approvals!!.* The article should have been titled and worded as follows:

Aquaflor®: Pending Approvals!!

Merck Animal Health (Merck) has reported that FDA approvals are pending for Aquaflor® (50% florfenicol) for (1) use in freshwater recirculating aquaculture systems and for (2) a dose increase in freshwater-reared salmonids from 10 mg florfenicol/kg fish/day to 10-15 mg florfenicol/kg fish/day. The pending approvals are expected to become final in February 2014, after which Merck can release an updated Aquaflor® label and make these indications available to customers. For more information about Aquaflor® and its current FDA-approved uses, please visit http://www.aquaflor-usa.com/.

(2) Please note that, at this time, there are no new approvals for Aquaflor®, as both additional approvals noted above are still pending. AAADAP and Merck apologize for the error.

AND NOW AVAILABLE ….
http://www.amazon.com/A-Colour-Atlas-Salmonid-Diseases/dp/9400720092

David W. Bruno · Patricia A. Noguera · Trygve T. Poppe

A Colour Atlas of Salmonid Diseases

Second Edition

Springer