



Fish Health Section

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

FHS NEWS

ELECTIONS – see attached FHS election_2010.pdf, FHS ballot_2010.pdf

FHS elections are now open. Cast your vote now! Candidate biosketches and a ballot form are located on the [nominations page](#) and are also attached. You will need to acquire a log-in name and password to access these files on the website. Remember, you need to be a current member to vote.

Sent ballots to: diwanowicz@usgs.gov

CONTINUING EDUCATION PROVIDER STATUS

I am pleased to share with you the news that the FHS of AFS has been granted CE Provider status with the American Association of Veterinary State Boards. Our provider number is 546 and our profile is on the AAVSB website at <http://www.aavsb.org/RACE/Search/Providers.aspx?providerid=546>

This means that all FHS CE programs will be accepted for veterinary CE credit in all states. There are several conditions to this:

- We continue to submit program descriptions to AAVSB (with appropriate fees, of course), 4-6 weeks before the courses take place

- We keep the AAVSB logo and approval language on the CE certificates

- We conduct assessments of CE value using AAVSB-approved survey tools (I have these, if anyone is interested).

- We renew our provider approval in 2012 and every 2 years thereafter

We submitted the CE program for the 35th EFHW in Shepherdstown along with the Provider application and that was approved, so it will be the first program offered under the new system. The program number for that will be 546-6749

Congratulations to the CE committee for making this happen!

JOURNAL OF AQUATIC ANIMAL HEALTH – CURRENT ISSUE CONTENTS

Volume: 22, Number: 1 (March)

Susceptibility of Three Stocks of Pacific Herring to Viral Hemorrhagic Septicemia (p. 1-7)

P. K. Hershberger, J. L. Gregg, C. A. Grady, R. M. Collins, and J. R. Winton

Detection and Prevalence of the Nonsyncytial American Grass Carp Reovirus Aquareovirus G by Quantitative Reverse Transcriptase Polymerase Chain Reaction (p. 8-13)

Andrew E. Goodwin, Gwenn E. Merry, and Houssam Attoui

Use of Asiatic Pennywort *Centella asiatica* Aqueous Extract as a Bath Treatment to Control Columnaris in Nile Tilapia (p. 14-20)

P. Rattanachakunsopon and P. Phumkhachorn

Variation in Susceptibility to *Henneguya ictaluri* Infection by Two Species of Catfish and Their Hybrid Cross (p. 21-35)

Matt J. Griffin, Alvin C. Camus, David J. Wise, Terrence E. Greenway, Michael J. Mauel, and Linda M. Pote

First Record of a *Polypodium* sp. Parasitizing Eggs of Shovelnose Sturgeon from the Wabash River, Indiana (p. 36-38)

Maria S. Sepúlveda, Tom Stefanavage, and Reuben Goforth

Antimicrobial Susceptibility of *Flavobacterium psychrophilum* Isolates from Ontario (p. 39-49)

Shohreh Hesami, Julia Parkman, Janet I. MacInnes, Jeffrey T. Gray, Carlton L. Gyles, and John S. Lumsden

Comparison of Quantitative RT-PCR with Cell Culture to Detect Viral Hemorrhagic Septicemia Virus (VHSV) IVb Infections in the Great Lakes (p. 50-61)

Kristine M. Hope, Rufina N. Casey, Geoffrey H. Grocock, Rodman G. Getchell, Paul R. Bowser, and James W. Casey

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

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

2010 WESTERN FISH DISEASE WORKSHOP

<http://oregonstate.edu/conferences/event/westernfishdisease/>

Corvallis, Oregon

June 22-24

Tentative agenda

Tues June 22	9 am-4pm	CE course: Pathogens of wild and naturally reared populations
	5-7 pm	Poster session, reception and registration
Wed June 23	8 am-5 pm	Sessions
	Evening	Dinner at Tyee Winery
Thurs June 24	8 am-noon	Sessions

At this time we are soliciting presentations covering topics associated with fish health (parasites, bacteria, viruses, immunology, emerging technology for pathogen detection, treatments, etc). Please submit your abstract to Sascha Hallett at Halletts@science.oregonstate.edu as soon as possible so we can start building an agenda for the meeting.

Lodging: Hilton Garden Inn, Corvallis, Oregon.

Room rates: \$90 single, \$110 double. Rooms will be held under "Western Fish

Disease Workshop” for individual call reservations. Guests must call in to the front desk (541-752-5000) to confirm reservations with this group.

Room block cut off date: June 1, 2010 www.hiltongardeninn.com.

Recreational Opportunities:

Corvallis is located in the heart of the Willamette Valley, and is uniquely situated between big cities, pristine mountains, and the Oregon Coast. Visit [Travel Oregon](#) and VisitCorvallis.com for more information.

Important Dates:

May 15, 2010	Deadline for student travel award submission
June 1, 2010	Deadline for abstract submission
	Deadline for reduced room reservations
June 18, 2010	Deadline for online registration

Contact Information: If you have any questions at this time please contact either

Dr. Jerri Bartholomew
Dept. of Microbiology, OSU
220 Nash Hall
Corvallis, OR 97331

Telephone: 541-737-1856

Email: bartholj@science.oregonstate.edu

Dr. Tony Amandi

ODFW Fish Health Services

Dept. of Microbiology, OSU

220 Nash Hall

Corvallis, OR 97331

Telephone: 541-737-1855

Email: amandia@onid.orst.edu

Students: Students are eligible to compete for the Best Student Paper Award. This will be a monetary award. There will also be a limited number of positions for graduate students to waive the cost of registration by assisting with session audio-visuals. Contact Dr. Jerri Bartholomew for details.

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 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: 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 bartholj@science.oregonstate.edu or sent to Dr. Jerri Bartholomew, Department of Microbiology, Oregon State University, 220 Nash Hall, Corvallis, OR 97331-3804.

[Formation of an Executive Committee for the Western Fish Disease Workshop](#)

In order to make life simpler for those involved in putting together our annual meeting, we would like to form an Executive Committee comprised of

representatives of the various state and federal agencies, tribal partners, private industry, university and research groups that participate in the annual meetings.

For this purpose we need one volunteer (at least to begin with) from each group to be willing to serve on this committee. At this time we have scheduled our first meeting for noon on Wednesday, June 23rd. We will have a catered lunch supplied during the meeting.

If you have experience in the formation or the running of such a committee, your participation would be greatly appreciated.

Please respond with your willingness to participate in the Executive Committee to Tony Amandi at amandia@onid.orst.edu **no later than June 11th**

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

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

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

JOBS

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

FISH PATHOLOGIST II - JOB ANNOUNCEMENT

Anchorage

Monthly Salary \$4,494

The Alaska Department of Fish and Game, Fish Pathology Section is currently recruiting for a Fish Pathologist II in Anchorage under the direction of the Fishery Scientist I/Principal Fish Pathologist in Juneau. This is a full time, senior level position responsible for the daily management of the Anchorage Fish Pathology Laboratory with supervision of two staff members. Other duties include management of assigned programs for statewide public and private facilities directed towards finfish and shellfish disease detection and control, as well as inspection of hatchery facilities and disease history evaluation of fish and shellfish stocks.

Specific Duties include but are not limited to:

- Organize, supervise, and conduct diagnostic testing for the detection and identification of finfish and shellfish pathogens using a variety of techniques including necropsy, bacteriology, virology, mycology, parasitology, histology, and molecular methods
- Plan and conduct annual hatchery inspections of fish and shellfish hatchery facilities as required by State Statute
- Coordinate programs to provide pathogen screening of finfish and shellfish stocks for transport and broodstock suitability evaluation

- Investigate new laboratory procedures in the scientific literature and supervise implementation of new methods and technologies into the laboratory
- Under the direction of the Fishery Scientist I, supervise the administrative functions of the statewide Fish Pathology Section including accounting, preparation of budget audits, maintenance of the disease history database and preparation of year-end effort reports.
- Coordinate the allocation of resources for operation and maintenance of the Anchorage Fish Pathology Laboratory under direction from the Fishery Scientist I.
- Make recommendations for the prevention, control, containment and treatment of fish and shellfish diseases in the State of Alaska.

Desired Knowledge, Skills, Abilities and Experience:

- Knowledge of diagnostic procedures applicable to pathological conditions of fish and shellfish
- Knowledge of clinical signs of infectious fish/shellfish diseases and parasites including noninfectious diseases and toxicities
- Knowledge of therapeutic treatment methods and medications for fish diseases
- Demonstrated supervisory experience
- Demonstrated experience in a fish diagnostic laboratory
- Excellent verbal and written communication skills
- Ability to plan and conduct effective fish disease diagnostic programs
- Demonstrated ability to conduct research and write manuscripts for publication in professional journals
- A strong work ethic with reliable attendance, punctuality and a positive attitude
- Ability to work independently with minimal supervision

Minimum Qualifications

- B.S. degree in microbiology, fisheries biology or closely related field required and four years of professional experience in fish pathology.
- M.S. or Ph. D. in fisheries or microbiology with three years or one year, respectively, of professional experience in fish pathology
- DVM with at least one year of professional experience in fish pathology.

- Certification as a Fish Pathologist or Fish Health Inspector by the Fish Health Section of the AFS is desirable

Contact Information and Apply On Line –

<http://notes4.state.ak.us/wa/postapps.nsf/997aaae09c093ddd8925643e0063742b/9cd12b9895972823892577050003c401?OpenDocument>

**FDA'S CENTER OF VETERINARY MEDICINE OFFICE OF RESEARCH,
AQUACULTURE TEAM IS SEEKING A CANDIDATE TO PARTICIPATE IN A 2
YEAR RESEARCH FELLOWSHIP.**

Proposed Appointment Period: From 7/1/10 to 9/30/12

The candidate will be responsible for conducting research to standardize methods to test the antibiotic susceptibility of aquatic bacteria. Duties will include performing microbiological and molecular assays, management of laboratory reagents and supplies, and quality control and preparation of the data for presentation. The candidate will be required to maintain and use laboratory equipment including thermocyclers, autoclaves, biosafety cabinets, bacterial identification systems, analytical balances, centrifuges, pH meters, etc. Additional duties may include participation in aquatic animal research by assisting in the maintenance and husbandry of aquatic organisms in the CVMOR Aquaculture Facility and participation in necropsy examinations. The candidate will also be expected to keep abreast of pertinent literature, and to assist in the preparation of study protocols and research papers.

Stipend is dependent on level of experience.

Candidates with a College degree will receive a stipend of approximately \$42,000/ year and with a Master's degree a stipend of approximately \$51,000/year.

For more information please contact Charles Gieseke at charles.gieseke@fda.hhs.gov .

Regards,
Max Mayeaux

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RESEARCH TECHNICIAN 1

Employer: Howard Hughes Medical Institute
Where: Section of Integrative Biology, University of Texas at Austin, Austin, TX

Classification: Full-time

Starting Salary: \$30,000 to \$35,000 annually depending on qualifications, plus benefits.

Start date: Earliest possible start date is May 15 2010, later start dates are possible.

Duration: Renewable annually depending on performance, with an expected duration of three years.

Job summary: The Bolnick lab in the Section of Integrative Biology at the University of Texas at Austin, is seeking a highly motivated research technician to assist with a study of geographic mosaic coevolution between fish and their macroparasites. Research will focus on documenting geographic variation in parasite communities of the threespine stickleback and corresponding variation in stickleback immunogenetics. For more information on the Bolnick lab, visit: <https://webspace.utexas.edu/dib73/Bolnicklab/Bolnicklab.html>

The research associate will be an employee of the Howard Hughes Medical Institute.

Responsibilities will include: Quantifying parasite incidence and identity in wild-caught fish specimens, measurements of fish morphology and diet, DNA extraction, PCR, and next-gen sequencing. Training will be provided as needed. The technician will have the opportunity to assist with periodic field work on Vancouver Island, Canada, to obtain specimens. The technician may also assist with daily management of the laboratory, including purchasing, equipment maintenance, database management, and animal care.

Minimum qualifications: A Bachelor's degree in biology or equivalent field. A strong work ethic, an ability to work independently and meticulously, and good organizational skills.

Preferred qualifications: Experience with one or more of the following: fish parasitology, morphometrics, immunology, DNA sequencing, and/or population genetic analyses of DNA sequence data. Ideal candidates would have a Masters degree in an appropriate subfield of biology, including but not limited to evolution, ecology, immunology, parasitology, ichthyology, molecular genetics, or bioinformatics. Experience with field research is also a plus.

To apply:

Applications will be reviewed as they are received, and the position will remain open until filled. The application should include:

- 1) a letter of application with a description of past research experience and education (degree, institution, GPA, courses taken)
- 2) a curriculum vitae
- 3) the names of three references

The application may be sent via email as a pdf file (preferred) or word file to:
danbolnick@mail.utexas.edu

Or, applications may be sent via mail to:

Dr. Daniel Bolnick
Section of Integrative Biology
One University Station C0930
University of Texas at Austin
Austin TX 78712, USA

RESOURCES

INVASIVE SPECIES NUTSHELL – see attached nutshell 28.pdf

REQUEST FOR FHS NEWLETTER ISSUE

I work in the library at the Leetown Science Center in Kearneysville, West Virginia. I am not sure who to contact to obtain an entire copy of the Fish Health Section Newsletter that was published by American Fisheries Society, Volume 10, No. 4, 1982. Our library has this collection but unfortunately this issue has walked away and we cannot replace. You may or may not be able to help with this but if you can forward my request to appropriate person I would greatly appreciate. Also if there is a charge, please let me know before filling.

Thanks for you assistance.

Lora McKenzie
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NEWS

INDUSTRY NEWS