



Fish Health Section



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

MEETINGS, WORKSHOPS AND COURSES

Aquaculture 2019

New Orleans, Louisiana, USA

March 7-11, 2019

Special Session on Molecular Tools and their impacts on aquatic animal health management and policy

Co-chairs: Pat Gaunt and Katie Haman

We seek speakers to present in a special session on molecular tools, science recommendation(s) and data interpretation and the potential impacts such data may have on the aquaculture industry. This session will highlight some of the new technologies, how they compare to traditional diagnostics, and how they may be used by management agencies. We will also highlight several case studies, followed by a discussion of each case (i.e. pros/cons, lessons learned, etc). We will conclude the session with a recap of primary findings and subsequent data interpretation, management/policy implication(s), and existing gaps in the process. It is our goal to establish a dialogue with all stakeholders, and identify key next steps to addressing the broad topic of implications of molecular tools on aquatic animal health and management.

Please contact Katie Haman (Katherine.haman21@gmail.com) for more information or to submit an abstract. Also see the flyer attached to the November FHS Newsletter. Although the abstract deadline has past, abstracts can still be submitted if you hurry.

2019 FHS Meeting and Western Fish Disease Workshop

Ogden, Utah, USA

June 17-20, 2019

The 2019 joint meeting of the American Fisheries Society/Fish Health Section and the Western Fish Disease Workshop will be held at the Hampton Inn and Eccles Conference Center in Ogden, Utah. A welcoming social with light appetizers and cash bar will be held in the afternoon of Monday June 17th. A fun and casual session of interesting case studies will kick off the meeting on Monday evening. General session

will start in the morning on Tuesday June 18th and will continue through the afternoon of Wednesday June 19th. A poster session will take place during the afternoon on Tuesday June 18th and the banquet will take place in the evening of Wednesday June 19th. A full day Continuing Education session designed around the intricacies and management of Flavobacteria will be held on Thursday June 20th.

Meeting Registration: The conference website/registration services are scheduled to be available by January 2019.

Call for Papers: Individuals interested in presenting a paper or poster should submit a complete abstract no later than May 1, 2019. See the flyer attached the November FHS newsletter for more information.

JOBS/GRADUATE ASSISTANTSHIPS

Tenure Track Position - Veterinary Bacteriology
Department of Pathology & Microbiology
Atlantic Veterinary College
Charlottetown, PE, Canada

Competition Number: 39A18

Academic Opening Closing Date: Thursday, January 31, 2019

The Department of Pathology and Microbiology at the Atlantic Veterinary College (AVC), University of Prince Edward Island (UPEI), invites applications for a full-time tenure track faculty position in Veterinary Bacteriology. Appointment will be made at the rank of Assistant or Associate Professor. UPEI is committed to teaching, service and research. The AVC has 266 DVM students, over 62 graduate students, 67 full-time faculty and a professional and technical team of 222 dedicated individuals. It has full accreditation by the AVMA/CVMA and delivers DVM, MVSc, MSc and PhD programs.

The successful candidate will have primary duties in the instruction of undergraduate and graduate courses in veterinary bacteriology and conduct independent and collaborative research in bacteriology. A more limited time allotment will go toward provision of professional service support in the AVC Diagnostic Services bacteriology laboratory. The diagnostic bacteriology laboratory at the AVC has state of the art equipment and is staffed with a Clinical Bacteriologist and 3 staff members. It provides high quality service to both the AVC Teaching Hospital and clients from the four Atlantic Canadian provinces. We are looking for a candidate who is interested to contributing to ongoing efforts to expand and develop expertise in bacteriology and mycology at the AVC and UPEI.

The successful candidate will:

- Have teaching and research microbiology skills
- Have experience in veterinary bacteriology and mycology as well as instruction of DVM students
- Have a DVM or equivalent degree
- Be board certified by the ACVM in Bacteriology and Mycology specialty
- Hold a PhD degree in veterinary bacteriology
- Possess well-developed skills of collaboration, collegiality and relationship building, and communication
- Be eligible for licensure with the Prince Edward Island Veterinary Medical Association

The salary will be commensurate with qualifications and experience. Full-time, permanent faculty receive a comprehensive fringe benefits package with benefit details provided at time of offer in accordance with the collective agreement. This appointment is subject to budgetary approval.

The AVC is located on the campus of UPEI in Charlottetown, Prince Edward Island (PEI). Nestled on the east coast of Canada, PEI is one of the world's most beautiful islands, and is home to sandy beaches, championship golf courses, some bike and cross country ski trails and a vibrant arts community. Further details can be obtained at <http://www.upei.ca/~avc> and <http://www.gov.pe.ca>.

To apply, submit a letter of intent, a statement of teaching, research and service goals and philosophy, a curriculum vitae and contact information (including e-mail addresses) of 3 referees to:

Dr. Frederick Kibenge
 Professor and Chair
 Department of Pathology and Microbiology
 Atlantic Veterinary College, University of Prince Edward Island
 550 University Avenue, Charlottetown, PE, Canada, C1A 4P3
 E-mail: kibenge@upei.ca, Phone: 902-566-0967, Fax 902-566-0851

Additional information about the department can be obtained at <http://www.upei.ca/pathmicro/>, <http://www.upei.ca/pathmicro/newsletters>, and http://www.islandscholar.ca/fedorair/ir_role/refworks.u2/Path+Micro. Possible collaborations include <http://research.medicine.dal.ca/> and <http://www.nrc-cnrc.gc.ca/eng/ibp/inh/research/index.html>

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.

Applications will be received until January 31, 2019 or until a suitable candidate is found. The starting date is ideally May 01, 2019. The position announcement is at: <http://www.upei.ca/hr/competition/39a18>

Extension Associate I – Aquaculture
Kentucky State University
Frankfort, KY, USA

Kentucky State University College of Agriculture, Communities, and the Environment's School of Aquaculture and Aquatic Sciences is seeking an Extension Associate to work under the direction of the State Extension Specialist for Aquaculture to develop, conduct and deliver aquaculture research-based educational programs. The successful applicant will support the mission of the State Extension Specialist for Aquaculture including work in the aquaculture disease diagnostic laboratory, farm and home visits, on-farm demonstrations, and writing educational materials. He/she will provide technical advice, assistance and educational programs for clients and County Extension professionals throughout Kentucky. The Extension Associate will write research-based articles and publications to educate clients in various areas of aquaculture. A Master of Science degree in the field is required.

For more information contact:

Robert M. Durborow, Ph.D.

Interim Assistant Research Director
Land Grant Program / College of Agriculture,
Communities, and the Environment
Professor and State Extension Specialist for Aquaculture
Kentucky State University Aquaculture Research Center
103 Athletic Road
Frankfort, KY 40601
Phone (502) 597-6581
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www.ksuaquaculture.org
www.kysu.edu

Postdoctoral Position - Genomic and Functional characterization of Novel Viruses

National Fish Health Research Laboratory
USGS, Leetown Science Center
Leetown, West Virginia, USA

The research laboratory of Dr. Luke Iwanowicz at the US Geological Survey, Leetown Science Center, National Fish Health Research lab seeks one highly motivated

postdoctoral researcher with strong bioinformatics and molecular biology laboratory skills.

The successful candidate will contribute to on-going research that involves the discovery, genomic and functional characterization of novel viruses that infect sentinel and recreationally important fishes. This work also includes the molecular evaluation of host-immune responses to natural viral infection utilizing targeted and global gene expression approaches.

The specific research focus involves characterizing and determining the significance of novel, emerging hepatitis and retroviruses in wild white suckers and their association with skin and liver tumors inhabiting the Great Lakes region. We recently identified a novel hepatitis B-like virus, white sucker hepadnavirus (WSHBV), that infects the white sucker. This virus belongs to the same family, Hepadnaviridae, of viruses that infect mammals and birds. In addition, we have now identified the other putative oncoviruses in this species that have yet to be fully characterized. At present it is not clear if the WSHBV or these other viruses are associated with neoplasia.

Applicants must have a PhD in Bioinformatics, Biology, Microbiology or a relevant subject area. Eligible applicants must be a US citizen and have received a PhD within the past 5 years. A strong bioinformatics background is necessary. Candidates should have an outstanding academic and publication track record commensurate with their career stage and experience. This position is currently funded for 13 months with the possibility of extension for a total of 4 years. Starting annual salary is \$68K US.

Prospective applicants should contact liwanowicz@usgs.gov to discuss the project. Please send a CV and letter of interest.

Contact: Dr. Luke Iwanowicz, liwanowicz@usgs.gov
Where: Leetown Science Center, National Fish Health Research Laboratory, Kearneysville, W.V.

Also see the flyer attached to the November FHS Newsletter.

Fish Farm Technician
Pacific Seafood
North Central Washington State, USA

Pacific aquaculture is seeking fish farm technicians for our north central Washington operations. Pacific Aquaculture farms Steelhead trout in net pens on the Columbia River. The technician will become familiar with all operations of the farm including feeding, harvesting, and inventorying.

Essential Duties and Responsibilities

Duties include but not limited to:

- Be a role model in projecting and applying The Pacific Group Diamond Philosophy (Productivity, Quality, Excellence and Teamwork) and promote teamwork at all times
- Monitor feeding, environmental conditions and fish health while maintaining accurate records.
- Learn and utilize computerized feeding systems.
- Maintain company assets in good operational condition.
- Work to continuously improve operations with respect to productivity, quality, safety, inventory levels and operating expense while utilizing effective aquaculture techniques.
- Must be able to work independently and with a team
- Perform other duties, as assigned

Apply online at <https://www.pacificseafood.com/careers/>, or contact Chris Stice at Cstice@pacseafood.com, (509)634-4446

See the attached flyer for more information.

Extension Specialist – Fish Health

Auburn University

School of Fisheries, Aquaculture and Aquatic Sciences

Greensboro, Alabama

The School of Aquaculture, Fisheries and Aquatic Sciences (SFAAS) at Auburn University invites applications for a position at our Alabama Fish Farming Center (AFFC) in Greensboro. It is a non-tenure-track, 12-month faculty position with the title Extension Specialist; however, responsibilities are 50% extension and 50% research. The position is supported by the Alabama Cooperative Extension System (ACES) and the Alabama Agricultural Experiment Station (AAES). The incumbent will be a member of the ACES Aquatic Resources Program Priority Team and must maintain a current AAES Hatch project.

Responsibilities: The primary extension responsibility will be disease diagnostic services for catfish farmers. The primary research responsibilities will be fish health questions of importance to the Alabama catfish industry. The successful candidate will interact with AFFC staff, members of the Southeastern Cooperative Fish Parasite and Disease Project (located in SFAAS), and other fish health and aquaculture specialists to develop a vibrant diagnostic program and relevant, extramurally funded, research program.

Qualifications: A PhD in an appropriate field or a DVM is required. Research experience with aquatic animals and two years of experience (staff, postdoctoral, or faculty) in diagnosis of fish diseases are also required. Experience in extension or outreach with fish farmers, a publication record in extension, and a publication record in aquatic animal research are desirable. The successful candidate must possess

excellent interpersonal skills, communication skills, and organizational skills. They must also meet eligibility requirements for work in the United States at the time the appointment is scheduled to begin and continue working legally for the term of employment.

Application: Applicants must apply for the position electronically through: <https://aufacultypositions.peopleadmin.com/postings/search> and submit the following: 1) cover letter addressing the candidate's experience pertinent to the responsibilities of the position, 2) Curriculum vitae, 3) Reprints of up to three research publications and 4) Reprints of up to three extension publications. When prompted during the on-line application process, please provide names, phone numbers and email addresses of three professional references. Only complete application materials will be considered. Active review of applications will begin October 1, 2018 and the search will continue until the position is filled. Questions about the position should be directed to:

Dr. Cova Arias
Search Committee Chair
School of Fisheries, Aquaculture and Aquatic Sciences
203 Swingle Hall
Auburn University
Email: ariascr@auburn.edu
Auburn University is an EEO/Vet/Disability Employer

RESOURCES/NEWS

Aquatic Animal Drug Approval Partnership (AADAP) Update: December 2018

Exciting News!

The FDA Center for Veterinary Medicine recently approved the supplemental new animal drug application (NADA) for Terramycin ®200 for Fish. This supplemental approval provides for the addition of an indication for marking the skeletal tissue of freshwater-reared salmonids weighing up to 55 grams. Label details: treatment dose of 3.75 g OTC per 100 lbs fish/day for 10 days; immediate release is permitted following last day of medicated feed; will need a Veterinary Feed Directive (VFD) to order the medicated feed; and no extra label use allowed. The INAD will remain open for any non-label uses. If you would like to see the label expanded for your species or fish size, [contact AADAP](#). We can work with the drug sponsor and FDA to see what would need to be done.

A Growing Staff

The AADAP Program is in the process of filling two permanent positions for the research team. We're excited to soon be welcoming new faces and skillsets to the team!

Save the Date

Looking for an excuse to visit Bozeman, MT in 2019? Mark your calendars for July 30th-August 1st, to attend the 25th Annual U.S. Fish and Wildlife Service, Aquaculture Drug Approval Coordination Workshop. Stayed tuned for more information later this winter!

AFS Webinars - December Updates

The AFS Education Section wants to hear from you! This is your chance to provide topic and speaker suggestions for upcoming webinars. Please take a few minutes to provide feedback through our [survey](#).

The AFS webinar series will be back in January with two new sessions! Save the date for the following sessions:

How do I choose the best title for this talk? Structured decision making as a tool for all occasions

Tuesday, January 15, 2019
1:00 pm Eastern Time
[Register Now!](#)

Hatchery Design in Aquaculture

Thursday, January 31, 2019
2:00 pm Eastern Time
[Register Now](#)