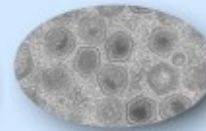


# Fish Health Section



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

## FHS NEWS

**REMINDER!! - please bookmark the new FHS website!** We still have not been able to take down the old FHS website which is outdated and inaccurate.

**2018 Financial Report** – presented at the 2019 AFS FHS Business Meeting - see the report attached to the newsletter email.

## 2019 FHS Election results

Vice President: Gary Marty  
Nominating and Balloting: Jayde Ferguson  
Professional Standards: Brandon Taro  
Policy & Position Development: Gael Kurath  
Technical Standards: Kathleen Hartman

## 2019 FHS Awards

S.F. Snieszko Distinguished Service Award: Dr. Masahiro Sakai

Snieszko student travel awards: Cheyenne Smith  
Courtney Harrison  
Megan Shalier  
Taylor Heckman

## Student Presentation at 2019 FHS meeting

PhD student award: Taylor Heckman, UC Davis  
Master's student award: Benjamin Americus, Oregon State University

## FHS Committee Chair Awards

(Those who were able to accomplish committee goals for this last year)

Chris Wilson  
George Sanders  
Ben LaFrentz  
Cindy Stine  
Mark Lawrence

**Quality Assurance Committee Announces Tier 2 Program.** The Committee for Quality Assurance for the Fish Health Section (FHS) has announced the initiation of the Tier 2 QA Program. This program has been in development for over two years. By

necessity, it is a major step upward from the Tier 1 program, is somewhat complex and will likely take a significant amount of time and effort to achieve.

This program is the second level of the quality assurance process and is entitled “Tier II – Recognition”. There are several goals for this next level, which raises the bar even further from Tier 1. Requirements include verification of the accomplishments asserted in Tier One, in areas such as training, safety and biosecurity as well as laboratory proficiency. Completion of Tier 2 will help prepare a laboratory for potential entry into a laboratory network or actual accreditation with an existing program. To accomplish these goals, laboratories will need to achieve an integrated quality management system.

Submission date for each calendar year will be **June 30**. The application will be reviewed and approved or denied within 6 months of completing and submitting all required materials

Applicants should thoroughly read through the application on the FHS website as well as the accompanying guideline document and appendices, which will be posted on the FHS website at <https://units.fisheries.org/fhs/certification/fish-health-laboratory-qaqc-program/>

## **MEETINGS, WORKSHOPS AND COURSES**

### **2019 Salmon Disease Workshop**

**July 8-19, 2019**

**Corvallis, Oregon**

This workshop is designed for professionals working in the fish health field and will emphasize recent advances and developments in our understanding of salmonid diseases. The workshop is limited to 20 participants on a first come, first serve basis.

Topics:

- Current immunological and molecular techniques
- Sampling for pathogens in wild populations
- New and emerging fish pathogens
- Cell culture techniques, including maintenance of cultures and viral identification
- Histopathology associated with salmonid diseases
- Current status of important viral, bacterial, and parasitic pathogens
- Salmonid disease treatment practices in Pacific Northwest hatcheries
- Epidemiology

Information and links to registration are posted on this website:

<http://microbiology.science.oregonstate.edu/salmon-disease-workshop>

For more information see the attached flyer or contact Dr. Jerri Bartholomew at

[bartholj@science.oregonstate.edu](mailto:bartholj@science.oregonstate.edu)

## **Health and Colony Management of Laboratory Fish**

**August 11-16, 2019**

**MDI Biological Laboratory**

**Bar Harbor, Maine**

This is a short course for veterinarians, technicians, trainees, principal investigators, and core managers who utilize or plan to utilize fish models in laboratory research. The course is directed by Michael Kent, Ph.D., College of Veterinary Medicine, Oregon State University. Course faculty include: Rodman G. Getchell, Ph.D., Cornell College of Veterinary Medicine; Christian Lawrence, M.S., Children's Hospital Boston; and Jan Spitsbergen, DVM, Ph.D., DACVP, Department of Microbiology, Oregon State University.

The course is offered at the MDI Biological Laboratory, located in Bar Harbor, Maine on Mount Desert Island, the home of Acadia National Park. It is intended to help laboratory technicians, researchers, and veterinarians monitor and maintain the health of a colony of aquatic organisms, focusing on zebrafish. This course is appropriate for veterinarians and veterinary trainees, as well as technical staff, students, postdocs, and investigators.

The course consists of lectures, laboratory exercises with a high faculty to student ratio, and discussion. During the course, there are ample opportunities for students to discuss unusual and/or unsolved diagnostic case experiences from their home laboratories as problem-solving exercises.

This course is now approved by the AAVSB RACE (American Association of Veterinary State Boards Registry of Approved Continuing Education) to offer a total of \*33 CE\* (Continuing Education) Credits to veterinarians and veterinary technicians. RACE approval is for the subject matter categories of both category 1 (Scientific) and 3 (Non-Scientific-Practice Management/Professional Development).

For more information see the course webpage: <https://mdibl.org/course/health-and-colony-management-of-laboratory-fish-2019/>, or the flyer attached to the email for this newsletter.

Or visit the MDI Biological Laboratory course page [<https://mdibl.org/education/courses/>](https://mdibl.org/education/courses/) or email the Education Office at [education@mdibl.org](mailto:education@mdibl.org).

**Workshop: Keepin' It Clean: Biosecurity & Biosafety for Biologists and Scientists**  
**Joint Conference of The Wildlife Society and The American Fisheries Society**  
**September 29 - October 3, 2019 (Half day during conference)**  
**Reno, Nevada**

The Fish Health Section of AFS and the Wildlife Diseases Working Group of TWS are jointly offering a workshop at this year's joint meeting in Reno, NV. Our workshop is titled "Keepin' It Clean: Biosecurity & Biosafety for Biologists and Scientists". The workshop description is attached to this newsletter. Its purpose is to provide training in the basic principles and practices of biosecurity and biosafety that biologists can use to protect their health, and fish and wildlife health, and reduce the risk of infectious disease transmission during the course of management and research activities.

The workshop organizers would like to invite members who are interested in, or have expertise in this topic to participate in the delivery of this workshop. We also want to solicit member input on a) any specific topics you think should be included, b) experiences you've had in biosecurity or biosafety that we might use as case studies/lessons learned for the workshop, and c) any best practices/protocols you would be willing to share that we could adapt and provide to attendees. If you would like to participate in delivering the workshop or share experiences or provide other input for the workshop, please get in touch with Nora Hickey ([nhickey@nwifc.org](mailto:nhickey@nwifc.org)) and Ben LaFrentz ([benjamin.lafrentz@ars.usda.gov](mailto:benjamin.lafrentz@ars.usda.gov)).

## **JOBS/GRADUATE ASSISTANTSHIPS**

**Tenure Track – Molecular Clinical Bacteriology**  
**Atlantic Veterinary College**  
**University of Prince Edward Island**  
**Department of Pathology and Microbiology**  
**Charlottetown, Prince Edward Island**

Link: <http://www.upei.ca/hr/competition/14a19>

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 Clinical 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 provision of professional service within the AVC Diagnostic Services bacteriology laboratory and the instruction of undergraduate and graduate courses in veterinary bacteriology, as well as an

expectation to conduct independent and collaborative research in bacteriology. The diagnostic bacteriology laboratory at the AVC has state of the art equipment and is staffed with 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 molecular diagnostic bacteriology and mycology at the AVC and UPEI.

The successful candidate will:

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

Among other possible courses, the position has shared teaching responsibilities of the four-credit VPM 2010 Veterinary Bacteriology and Mycology course to second year DVM students and bacteriology sessions of the fourth year DVM student Clinics in Diagnostic Services rotations. The individual will supervise or co-supervise graduate students at the MSc and PhD levels.

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. Juan Carlos Rodriguez-Lecompte  
Professor and Acting Chair  
Department of Pathology and Microbiology  
Atlantic Veterinary College, University of Prince Edward Island  
550 University Avenue, Charlottetown, PE, Canada, C1A 4P3  
E-mail: [jrodriguez@upei.ca](mailto:jrodriguez@upei.ca), Phone: 902-566-0856, 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](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 September 30, 2019, or until a suitable candidate is found. The preferred starting date is July 1, 2020.**

**Two Year Term Position – Aquaculture Population Health**  
**Atlantic Veterinary College**  
**University of Prince Edward Island**  
**Department of Health Management**  
**Charlottetown, Prince Edward Island**

Link: <http://www.upei.ca/hr/competition/18a19>

The Department of Health Management at the Atlantic Veterinary College (AVC), University of Prince Edward Island, invites applications for a full-time, two-year term faculty position in Aquaculture Population Health, with the possibility of renewal pending budgetary approval. Appointment will be made at the Lecturer or Assistant Professor level.

The successful applicant will join an established aquatic health program. Job duties include teaching in undergraduate and graduate programs, enhancing ongoing clinical teaching and research activities with aquaculture in the Atlantic region, and liaising with provincial government aquatic health services, industry veterinarians and production companies and associations. The successful candidate will be expected to collaborate with other AVC faculty in the field of aquatic health research and service.

*Required qualifications:* The successful candidate will have a DVM (or equivalent) degree with considerable practical experience in the delivery of health management services in finfish aquaculture, and be eligible for licensure with the Prince Edward Island Veterinary Medical Association.

*Preferred qualifications:* A candidate that has an MSc or PhD degree in aquatic population medicine or aquatic epidemiology, and has experience in shellfish aquaculture. Well-developed skills of collaboration, relationship building and communication with industry are desired assets.

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

Situated on the country's beautiful east coast, with easy access to beaches all around, the AVC has 270 DVM students and is the main veterinary referral center in Atlantic Canada for cases and diagnostic samples. Find out more about Prince Edward Island, the University of Prince Edward Island and the Atlantic Veterinary College by visiting these websites: [www.gov.pe.ca/](http://www.gov.pe.ca/), [www.upei.ca](http://www.upei.ca) and [www.upei.ca/avc](http://www.upei.ca/avc).

Applicants should submit a letter of intent, curriculum vitae and the names and contact information (including e-mail addresses) of three (3) referees to:

Ms. Tracy O'Flaherty  
Administrative Support  
Department of Health Management  
Atlantic Veterinary College, UPEI  
550 University Avenue  
Charlottetown, Prince Edward Island, CANADA, C1A 4P3  
Telephone (902) 566-0609 and e-mail address [toflaherty@upei.ca](mailto:toflaherty@upei.ca)

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.

**Review of applications will begin on July 12, 2019, and will continue until a suitable candidate is identified. Starting date is flexible depending on availability of the successful candidate.**

**Postdoctoral Researcher**  
**Louisiana State University**  
**School of Veterinary Medicine**  
**Department of Pathobiological Sciences**  
**Baton Rouge, Louisiana**

External applicant link: [https://lsu.wd1.myworkdayjobs.com/LSU/job/LSU---Baton-Rouge/Postdoctoral-Researcher\\_R00033983](https://lsu.wd1.myworkdayjobs.com/LSU/job/LSU---Baton-Rouge/Postdoctoral-Researcher_R00033983)

To conduct research on the important bacterial pathogen of the channel catfish, *Edwardsiella ictaluri*.

40% - Conduct studies to evaluate the virulence and pathogenesis of intracellular bacterial pathogens of aquatic species, including the role of Type III, Type IV, and Type VI secretory systems.

35% - Conduct studies to evaluate the innate and humoral immune response of aquatic species to intracellular bacterial/viral pathogens.

15% - Data analysis/manuscript writing

5% - Animal Care

5% - Laboratory management. Other duties as assigned.

**Minimum Qualifications:**

Ph.D. in microbiology, immunology, cell biology or a closely related life sciences field.

**Special Instructions:**

An offer of employment is contingent on a satisfactory pre-employment background check.

Salary and rank are commensurate with qualifications and experience.

A copy of your transcript(s) may be attached to your application (if available). However, original transcripts are required prior to hire.

Please provide three professional references including name, title, phone number and e-mail address.

Posting Date:

May 9, 2019

Closing Date (Open Until Filled if No Date Specified):

**Additional Position Information:**

Background Check - An offer of employment is contingent on a satisfactory pre-employment background check.

Benefits - LSU offers outstanding benefits to eligible employees and their dependents including health, life, dental, and vision insurance; flexible spending accounts; retirement options; various leave options; paid holidays; wellness benefits; tuition exemption for qualified positions; training and development opportunities; employee discounts; and more!

**Essential Position (Y/N):**

No

**EEO Statement:**

LSU is committed to diversity and is an equal opportunity / equal access employer.



**HCM Contact Information:**

Questions or concerns can be directed to the LSU Human Resources Management Office at 225-578-8200 or emailed [HR@lsu.edu](mailto:HR@lsu.edu)

For more information see the flyer attached to the email for this newsletter.

**RESOURCES/NEWS****Emerging Risk to Animal Health Notice - Tilapia Lake Virus (TiLV)**

Please see the notice attached to this newsletter email for a summary of key points, concerns for US animal health, epidemiology, diagnostic testing, treatment, and mitigation options.