



# Fish Health Section



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

## **FHS NEWS**

### **Letter from the FHS President, Dr. Esteban Soto**

Please see the PDF document entitled, "Letter from the president (May 1 2017), and read the letter from the FHS President.

### **2017 AFS-FHS Committee Election Results**

The AFS FHS Nominating and Balloting Committee has completed this year's elections and the new members are below.

Vice President: Benjamin R. LaFrentz  
Professional Standards Committee: Mark Lawrence  
Technical Standards Committee: Mohamed Faisal  
Nominating and Balloting Committee: G. Derek Gibbs

Congratulations to the newly elected members.

### **2017 FHS Business Meeting Minutes**

The 2017 FHS Business Meeting minutes are attached for your information.

Please see the PDF entitled, "2017 AFS-FHS business meeting minutes".

### **FHS Meeting Summary and Request for Pictures**

Dear Participants of the 2017 AFS-FHS Meeting,

Well, now the 2017 FHS Meeting is in the history archives. Your presentations were in the forefront of aquatic animal health frontiers and so were you constructive criticism and discussions. Our students in particular did an amazing job.

Thank you all for coming and it was an honor to get the opportunity to serve you. The proceedings of the meeting are posted on the FHS webpage <http://www.afs-fhs.org/perch/resources/final-web-fhs-conference-proceeding-binder7.pdf>

While our request for no snow during the AFS-FHS meeting was granted, those stayed for the remainder of the week were able to enjoy a taste of our beautiful Michigan white winter for less than 24 hours.

One last plea for all of you... I would love if you would be willing to share any pictures that you have taken during the meeting, particularly during Dr. Winton's Sparty visit and any other favorite moments. Best four photos will be awarded \$50 each!!!! Hurry!

Here is how it goes:

- 1) Go to:  
[https://drive.google.com/drive/folders/0B\\_PJ5CtJ9OqHN0dhZU9VeGJrc00?usp=sharing](https://drive.google.com/drive/folders/0B_PJ5CtJ9OqHN0dhZU9VeGJrc00?usp=sharing)
- 2) Put the photos you want to send in a folder with your name as the folder name
- 3) Click on "NEW" on the upper left corner of the screen
- 4) Upload your photos or drag your photos
- 5) Demand your \$\$\$ when you are notified being the winner

On behalf of the AFS Fish Health Section, our warmest appreciation for your participation and for all of your contributions to our field.

David Groman  
&  
Mohamed Faisal

### **Announcement for ISAAH 2018!**

The Atlantic Veterinary College (AVC) at the University of Prince Edward Island is proud to partner with the Prince Edward Island BioAlliance and the Fish Health Section of the American Fisheries Society (FHS) to co-host the eighth International Symposium on Aquatic Animal Health ([ISAAH 2018](#)). The 2018 event will be held at the Prince Edward Island Convention Centre from September 2 to 6 in beautiful Charlottetown, PEI, Canada.

<http://www.upei.ca/communications/news/2017/04/atlantic-veterinary-college-and-pe-bioalliance-co-host-2018-international-symposium>

## **STUDENTS AND EARLY CAREER MEMBERS**

### **Undergraduate Travel Assistance Award**

The Student Subsection of the Education Section of the American Fisheries Society (AFS) is seeking applicants for the 2017 Undergraduate Travel Assistance Award (UTAA). The UTAA is designed to introduce undergraduate students to AFS and increase participation at the Society level. The UTAA will help defer travel costs to the Annual Meeting and fund AFS membership. Four undergraduate students will be

selected to receive the award (\$500) at the Education Section Business Meeting. Selection of awardees will be based on involvement in student and professional organizations and rationale for attending the meeting. The UTAA provides a great opportunity for undergraduate students to network with peers and professionals within AFS and immerse themselves in aquatic science and research that is being conducted by other society members.

For more information, please visit this website:

<http://students.fisheries.org/awards-and-scholarships/annual-meeting-2/undergraduate-travel-assistance-award/>

## **MEETINGS, WORKSHOPS AND COURSES**

### **The Canadian Aquaculture Institute Workshops: “Health and Husbandry of Aquatic Laboratory Animals” and “Advanced Aquatic Animal Care and Husbandry”**

**University of Prince Edward Island**

**May 8-11, 2017**

The Canadian Aquaculture Institute is offering two workshops for Veterinarians, Animal Care Technicians, and Research Staff involved in the use of fish and other aquatic species in research teaching and testing. Both courses offer both didactic and hands-on experience in the field.

They run back to back and can be taken individually or together.

Health and Husbandry of Aquatic Laboratory Animals. This is an introductory course which covers basic CCAC requirements for fish in research as well as sessions on aquatic facility design and maintenance, handling and restraint, basic techniques and diagnostics.

This course is May 8 and 9, 2017 and web-site with the full curriculum is

<http://www.upei.ca/skillsdevelopmentandlearning/course/health-and-husbandry-aquatic-laboratory-animals>

Advanced Aquatic Animal Care and Husbandry. This course is for Veterinarians, Animal Care Technicians and Research Staff that are interested in some advanced training in Aquatic Laboratory Animals. The didactic lectures and hands-on labs involve field based techniques, advanced laboratory diagnostics, surgery, salt-water systems and more.

This course is May 10 and 11th, 2017 and the web-site with the full curriculum is

<http://www.upei.ca/skillsdevelopmentandlearning/course/advanced-aquatic-animal-care-and-husbandry>

For more information on these workshops one can go to the above websites or contact Dr. Jonathan Spears at [jspears@upei.ca](mailto:jspears@upei.ca).

**North American Comparative Immunology Workshop**  
**North Carolina State University, Raleigh, NC**  
**June 12-15, 2017**

Welcome to the annual North American Comparative Immunology Workshops. These meetings are designed to foster collaborations among established investigators, postdoctoral fellows and graduate students interested in immune function in a wide range of model and non-model organisms.

As a field, comparative immunology is undergoing a transformation propelled by the emergence of new and innovative genomic technologies and the recognition of a wider biological role for immunity. The study of organismal models with simple morphology or exceptional biology provides unique insight into immunobiology, medicine and evolution and the potential for novel therapeutics.

At NACI, we highlight research in the evolution of immune systems, development of immune cells, the immune dialogue between host, microbiota, and pathogens, as well as ecological aspects of disease. Students are strongly encouraged to present their research. The workshops provide a venue for exciting interactions to generate new ideas and collaborations.

We look forward to seeing you at our 2017 NACI Workshop in Raleigh, North Carolina! For more information, please visit the website: <http://naciworkshop.com/>.

**2017 Western Fish Disease Workshop**  
**Clearwater Resort, Suquamish, WA**  
**June 20-22, 2017**

The 58<sup>th</sup> Western Fish Disease Workshop is being co-hosted by the NWIFC and WDFW and will be held at the Suquamish Clearwater Resort on the Kitsap Peninsula in Washington on June 20-22, 2017. We are now encouraging interested individuals to register, reserve their lodging, and sign up to give an oral presentation or poster. For details on the workshop and the CE session which will be on Quality Management System Training, we encourage all to go to our website at <http://wfdw.nwifc.org>.

**Some of the deadlines are getting closer for the 58<sup>th</sup> Western Fish Disease Workshop that will be held on June 20-22, 2017 at the Suquamish Clearwater Resort in Washington State. Important deadlines include:**

- **Friday, April 28th: Titles due for talks and posters**
- **Friday, May 19th:** Full abstracts are due
- **Monday, May 22nd:** Last day to get conference rates on lodging

- **Friday, May 26th:** Last day to get lower registration rates
- **Friday June 9th:** Last day to purchase guest tickets for banquet

Please open the Word document entitled, “Western Fish Disease Workshop Announcement 04-17-2017” for full information on this great meeting.

### **Fourth Australasian Scientific Conference on Aquatic Animal Health & Biosecurity**

**The Pullman Reef Hotel, Cairns, Queensland, Australia  
July 10-14, 2017**

The Fourth FRDC Australasian Scientific Conference on Aquatic Animal Health & Biosecurity will be held in Cairns, Queensland, Australia – gateway to the Great Barrier Reef and Daintree rainforest. The conference provides a forum for presentation of research, diagnostic, epidemiology, management and policy issues encompassing all areas of aquatic animal health and bio-security.

For more information on this conference and how to register, please see the word documents, “Second announcement 4th Australasian Scientific Conference on Aquatic Animal Health & Biosecurity 2017” and “4th Australasian Conference Rego form July 2017”.

### **2017 Salmon Disease Workshop – Registration Open** **Corvallis, Oregon** **July 24 – August 4, 2017**

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. Registration closes Jun 1.

For more information, or if you wish to receive graduate credit and to register, please contact Dr. Jerri Bartholomew at [bartholj@science.oregonstate.edu](mailto:bartholj@science.oregonstate.edu)

**Registration:** [https://apps.ideal-logic.com/cms?key=F3T9-25VWY\\_K9KH-5PTF\\_37f45578](https://apps.ideal-logic.com/cms?key=F3T9-25VWY_K9KH-5PTF_37f45578)

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

### **Health and Colony Management of Laboratory Fish** **MDI Biological Laboratory** **August 13–19, 2017**

Health and Colony Management of Laboratory Fish is a short course to help colony managers, researchers and veterinarians monitor and maintain the health of a colony of aquatic organisms. This course is broad and is appropriate for technical staff, students, postdocs, investigators, as well as veterinarians and veterinary trainees.

The course consists of lecture, laboratory exercises and discussions. With a high faculty to student ratio, 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.

<https://mdibl.org/course/health-and-colony-management-of-laboratory-fish/>

**18<sup>th</sup> International Conference on Diseases of Fish and Shellfish**  
**Belfast, Northern Ireland**  
**September 4-8, 2017**

The 18<sup>th</sup> International Conference on Diseases of Fish and Shellfish in Belfast, Northern Ireland takes place from the 4<sup>th</sup> – 8<sup>th</sup> September. The Conference will include a full scientific programme including keynotes, oral presentations, poster sessions and workshop as well as a histopathology workshop that will take place on Sunday 3<sup>rd</sup> September. During your stay in Belfast you will experience a “Taste of Ireland” including a Civic Reception hosted by the Lord Mayor of Belfast and a gala dinner at the “World’s Leading Tourist Attraction” Titanic Belfast. We also invite you to participate in a study visit to the Fish Testing Station at Bushmills, located on the beautiful north coast of Ireland as well as a visit to the UNESCO site at the Giant’s Causeway or the Old Bushmills Distillery established in 1608.

We look forward to welcoming you to Belfast and Northern Ireland in September.

Please note Abstract submission is now open and will close on March 10<sup>th</sup> 2017. [Please click on the picture below to be directed the website.](#)



## **JOBS/GRADUATE ASSISTANTSHIPS**

**Laboratory Technician**  
**Colorado Parks and Wildlife Aquatic Animal Health Laboratory (AAHL)**  
**Brush, CO**

**JOB DESCRIPTION:** Microbiological laboratory technician specializing in microbiology related to fish diseases. Major responsibilities include performing complex laboratory testing in the areas of bacteriology, virology, parasitology, PCR, and ELISA. Applicant must be able to work both independently, and as part of a team, to conduct microbiological assays and assist others in laboratories as needed. Significant experience in a diagnostic microbiological lab environment is preferred. The candidate must have extensive knowledge in specialized laboratory techniques. The ability to use various laboratory equipment such as microscopes, centrifuges, balances, etc. is imperative. This position will require some travel, but most work will be conducted on site. Work hours will be limited to 40 hours per week.

For more information, please see the word document entitled, "Microbiologist announcement".

### **Researcher in Fish Health**

**BioMar**

**Trondheim, Norway**

The R&D main office of BioMar in Trondheim, Norway is looking for a new colleague to join our global ambitious fish health team.

Job description

- Research in aquatic health and nutrition (fish and shrimp)
- Development of animal feed products and feed concepts
- Lead national and international R&D projects from idea to product
- Be a technical support to colleagues across department and countries

For more information, please see this website: <https://www.jobbnorge.no/en/available-jobs/job/137206/researcher-in-fish-health>.

### **Fish Conservation Physiology and Molecular Biology Postdoctoral Researchers** **Department of Wildlife, Fish, and Conservation and School of Veterinary Medicine** **University of California, Davis** **Davis, CA**

The University of California Davis is seeking two highly motivated, organized, and dynamic Postdoctoral Researchers with experience in Molecular Biology and Fish Conservation Physiology to join the labs of Drs. Richard Connon and Nann Fangue in the School of Veterinary Medicine and the Department of Wildlife, Fish, and Conservation Biology at UCD. Appointments will be for one year with a possibility for extension to two or three years.

For more information, please see the pdf entitled, “SEARCH FOR two Postdoctoral Researchers Prop 1 Disease and Contaminants”.

**Pathogen Surveillance and Discovery – AGREETT Faculty Position**  
**University of Minnesota, College of Veterinary Medicine**  
**St. Paul, MN**

A new strategic university-wide emphasis on Global Systems Science, and university-wide investment into Agricultural Research, Education, Extension and Technology Transfer (AGREETT) program (<http://www.cfans.umn.edu/agreett>), has prompted the University of Minnesota, College of Veterinary Medicine (CVM) into hiring a cluster of at least six faculty members in the broad area of infectious disease across its three Departments. The Veterinary Population Medicine Department (VPM) invites applications for a tenured or tenure-track faculty position in **pathogen surveillance and discovery**, with emphasis on zoonotic/emerging infectious diseases. The appointment is expected to be at the rank of assistant, associate or professor positions. The final rank and terms of appointment will depend on the qualifications and experience of the selected candidate consistent with collegiate and University policies.

For full information on this position, please see the PDF entitled, “AGREETT Pathogen Surveillance Job Description”.

## **RESOURCES/NEWS**

### **NAHMS Aquaculture 2020**

**NAHMS seeks your help in selecting the focus of the Aquaculture 2020 study.**

The National Animal Health Monitoring System (NAHMS), a nonregulatory unit of USDA–APHIS–VS, is developing its Aquaculture 2020 study. This study is expected to include production of fish, crustaceans, and mollusks for various end uses.

NAHMS strives to collect information that will be most beneficial to the stakeholders. Your input is essential if we are to identify key health issues and fill information gaps facing the U.S. aquaculture industry sectors.

Please complete a brief survey on line in SurveyMonkey to:

- tell us what you consider to be the most important health issues facing the aquaculture industry.
- help identify the critical information needs regarding health-management practices used in the U.S. aquaculture industry sectors.
- share your opinion on how we can encourage aquaculture producers to participate in the Aquaculture 2020 study.



NAHMS will use results from the needs assessment survey to develop the information objectives that will shape the actual NAHMS study.

**The survey will be available from March 22 through May 31<sup>st</sup>, 2017.**

Please use this link to take the survey:

<https://www.surveymonkey.com/r/NAHMSAqua2020>