



Fish Health Section



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

FHS NEWS

Announcement of Snieszko Student Travel Awards for the 2017 AFS FHS Annual Meeting at Michigan State University

We are excited to announce an increase in funds available to help students defray costs to the 2017 AFS FHS Annual meeting at Michigan State University! We expect to be able to grant 4 awards of up to \$1,000 each to allow students (undergraduates, graduates, or veterinary), post-docs or residents to present an oral or poster presentation at the conference.

The deadline for submission of the Student Travel Award Application is February 15th, 2017. For more information, please see the PDF entitled, "AFS FHS student travel award".

Fish Health Section Quality Assurance Program for Laboratories

The QA/QC committee has announced the Tier 1 application period for 2017 will open **January 1, 2017**, and all applications must be received by **March 31**.

Tier 1 is the "pre-qualification" stage for fish health laboratories, and includes identification of key laboratory personnel, laboratory safety and biosecurity, as well as standard operating procedures. Tier 2 - "recognition" is under development, and details should be available by the end of 2017.

More information and links to the application and supporting documents are available at the FHS Website at <http://www.afs-fhs.org/test2.php>

MEETINGS, WORKSHOPS AND COURSES

2017 Annual Meeting of the Fish Health Section
Michigan State University, East Lansing, MI
April 2-3, 2017

We are now accepting registration and abstracts for the 2017 Annual Meeting of the Fish Health Section which will be held jointly with the Annual Meeting of the Great Lakes Fish Health Committee!

This meeting is being hosted by The Aquatic Animal Health Laboratory (AAHL) at Michigan State University on April 2nd and 3rd, and will be followed directly by the 42nd Eastern Fish Health Workshop on April 3rd to 7th.

The venue will be the Kellogg Hotel & Conference Center at Michigan State in East Lansing Michigan, and the chief contact person will be Dr. Mohamed Faisal.

Attached to this email are two document of importance to attendees:

"FHS Final Announcement" which contact specifics with regard to the meeting theme, registration, abstract submission, accommodations and local transport; and,

"FHS Instruction for Poster Presentations".

Onsite Registration will begin a 9 am on Sunday April 2nd, followed directly by the Fish Health Section Business Meeting. The first Formal Session will follow the FHS Business Meeting.

An updated program will be made available through the FHS List Server by mid-March.

Important Deadlines:

Call for Abstracts: now open

Abstracts Due By: March 1, 2017

Registration due by (postmarked): March 1, 2017 (to avoid the late fee)

Hotel Reservation due by: March 3, 2017

42nd Annual Eastern Fish Health Workshop
Michigan State University, East Lansing, MI
April 3-7, 2017

We are proud to announce the 42nd Annual Eastern Fish Health Workshop at the Kellogg Hotel & Conference Center in East Lansing, MI. Registration begins at our annual reception on Monday, April 3 from 5:00 to 7:00 pm, and is followed by an evening of interesting, bewildering, and bemusing case reports. There will be three full-day sessions (April 4-6), followed by a full-day continuing education course on Friday, April 7. We encourage contributions for oral presentation of case reports and research investigations that are pertinent to animal health within marine and freshwater environments. There are no poster sessions.

For the first time, the EFHW will be held in Michigan, a state which fittingly boasts the longest freshwater coastline of any political subunit in the world and where a person is always within 6 miles of a stream, lake, river, or natural waterbody. The Michigan State University Aquatic Animal Health Laboratory (MSU-AAHL) has been a longstanding supporter of the EFHW and is proud to host the annual meeting in Spartan

Country. We have plans to offer tours of MSU's campus that will include the veterinary diagnostic and other related laboratories, as well as optional organized excursion(s) that showcase some of Michigan's delights. The banquet and Best Student Presentation award will be on Thursday night, when there is never a shortage of dancing- not to be missed.

We will continue to use the general email address (TheEFHW@gmail.com) to correspond with folks; however, if you need to reach any one of us, please feel free to contact us directly.

Call For General Session Titles And Abstracts: To guarantee a place on the program, please return a tentative title for your abstract and presentation via email **as soon as possible**. Do this by completing the appropriate sections of the Word attachment titled "42 efhw title form." If you are presenting a diagnostic case, please indicate your tentative title that you would like included in our special session titled: "The Aquatic Detective."

Abstracts must be submitted by **21 February 2017**. Email abstracts to TheEFHW@gmail.com. Please follow the direction for preparation of abstracts and presentations (see attachment). Your attention to these guidelines is greatly appreciated. PowerPoint presentations are due **20 March 2017**.

Best Student Paper Presentation: The Eastern Fish Health Workshop will present \$200 and a plaque for the Best Student Presentation. Eligible individuals must be currently enrolled in an undergraduate or graduate research program and present his/her own research. The award will be presented at our Banquet and the recipient **must** be present. In order to be considered for this award, you must register by completing the appropriate section of the "42 efhw title form" attachment.

Registration

A **\$200** registration fee (U.S. dollars) includes a reception on Monday evening with heavy hors d'oeuvres, workshop proceedings, refreshments at breaks, buffet breakfasts and luncheons on each of the three full days of the workshop (Tuesday, Wednesday, Thursday), and dinner at the Banquet on Thursday night. That's a steal for \$ 200!!! Make checks payable to the "Eastern Fish Health Workshop" and return payment with your registration form **postmarked by 21 February 2017**. The late registration fee of **\$35** (U.S. dollars) is charged **if postmarked after this date** (for a total registration fee of **\$235**, if late). The EFHW does not accept credit cards and there are no daily or discounted registrations. **Please ensure that you mail your registration form and check to Dr. Roy Yanong.**

Lodging

Individual accommodations start at \$108/night and must be made with the Kellogg Hotel & Conference Center in East Lansing, Michigan. You can make reservations online or by phone. Please call the hotel at [1-800-875-5090](tel:1-800-875-5090) and use either the code **1704FISHHE** or Block Name **Eastern Fish Health Conference**. You may also go

online to www.kelloggcenter.com, click Reservations in the link at the top, and fill in the dates, rooms, and number of people. Select "Click Here for Special Rates" and enter the Group Code: **1704FISHHE**. In order to secure reservations, please make reservations with the Kellogg Hotel before March 3, 2017.

The Kellogg Hotel is located on the Michigan State University campus in the heart of East Lansing. Lansing's Capital Region International Airport is only eight miles away. The hotel offers a shuttle to the Lansing Capital Region International Airport, but it must be reserved ahead of time. Attached to this email are instructions for reserving this shuttle. <https://kelloggcenter.com/>

The Detroit airport is located approximately 1.5 hours away and may offer more flights. A bus service between the Detroit airport and Downtown East Lansing is offered through www.michiganflyer.com. We are investigating discounts on car rentals and will provide more information on this in a later email.

Important Deadlines:

Call for Abstracts: now open

Abstracts Due By: 21 February 2017

Registration due by (postmarked): 21 February 2017 (to avoid the late fee)

PowerPoints due: 20 March 2017

Hotel Reservation due by: 3 March 2017

Please use the following email address for submission of title forms, abstracts, PowerPoints, and any specific questions: TheEFHW@gmail.com. Please use snail mail (regular postal services) to send registration forms AND checks to Dr. Roy Yanong.

International Conference on Advances in Fish Health (ICFISH)

Universiti Putra Malaysia

April 4-6, 2017

The Universiti Putra Malaysia (UPM), in collaboration with Malaysian Fisheries Society (MFS) and Dept. of Fisheries Malaysia (DOF) will co-organise this conference. More information can be found at the conference website: <http://www.icfish.my/>.

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 – Save the Date

The Northwest Indian Fisheries Commission and the Washington Department of Fish and Wildlife invite you to attend the 58th Western Fish Disease Workshop on June 20-22, 2017 at the Clearwater Resort located on the Kitsap Peninsula in Washington.

Please see the PDF entitled, “2017 WFDW save-date” for more information.

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.

For more information concerning this course, please see the PDF entitled, “Health_colony_mgt_2017” or visit the website:

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

8th International Symposium on Aquatic Animal Health (ISAAH)

It is with great pleasure that we write to invite you to participate in a significant international meeting, the **8th International Symposium on Aquatic Animal Health**, which will be held in **Charlottetown, Prince Edward Island, Canada, 2 – 7 September 2018**. For more information on the meeting and the venue, please view the two PDF's entitled, "ISAAH List Servers Announcement Oct 2016" and "ISAAH Location Presentation".

JOBS/GRADUATE ASSISTANTSHIPS

Supervisory Research Geneticist/Physiologist/Microbiologist/Molecular Biologist (Research Leader)

**USDA-ARS, National Center for Cool and Cold Water Aquaculture
Leetown, WV**

The ARS, National Center for Cool and Cold Water Aquaculture (NCCCWA) is seeking a permanent, full-time Supervisory Research Geneticist/Physiologist/Microbiologist/Molecular Biologist (Research Leader)/Director to lead NCCCWA's mission to enhance the nation's aquaculture production by developing improved germplasm and technologies that increase farm efficiency, product quality, and environmental sustainability.

For more information on this position, please see the PDF entitled, "Leetown RL Ad".

Fish Pathologist

**BC Animal Health Centre
Abbotsford, British Columbia, Canada**

The Plant and Animal Health Branch supports the sustainability of animal and plant agriculture, while serving to protect the well-being of the people of the province of British Columbia through surveillance, regulatory compliance, risk assessment, and the development of strategies to address identified risks.

The Animal Health Centre is the AAVLD accredited provincial veterinary diagnostic laboratory that provides world class diagnostic services to protect the health of all animals in B.C. in support of disease prevention, control and eradication. The Centre protects human health with the timely and accurate diagnosis of zoonotic diseases that transmit from animals to humans, in both the public health and the food safety sectors.

A Fish Pathologist is a highly effective communicator and collaborator, able to provide comprehensive reports and work successfully with industry, stakeholders and Ministry executives. Analytical, innovative and results oriented, you work with other fish pathologists to initiate special investigations when required and represent the Ministry

on inter-jurisdictional working groups and committees. An expert in your field, you have the ability to provide effective diagnostic services and the vision to address future industry and ecosystem needs. If you are a skilled veterinary pathologist 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 veterinary 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.

For more information concerning this position, please visit the job description at:
<https://search.employment.gov.bc.ca/cgi-bin/a/highlightjob.cgi?jobid=38055>

RESOURCES/NEWS

Journal of Aquatic Animal Health

New Issue Contents

Volume: 28, Issue: 4, 2016

Detection of Infectious Pancreatic Necrosis Virus from the Leeches *Hemiclepsis marginata* and *Hirudo medicinalis* (p. 209-213)

Behnam Salimi & Kazem Abdi

Multiple Passages of Grunt Fin Cells Persistently Infected with Red Seabream Iridovirus (RSIV) at 15°C or 30°C to Yield Uninfected Cells (p. 214-221)

So-Young Oh & Toyohiko Nishizawa

Short-Term Effects of Albendazole on the Oxidative Stress Markers and Hematological Parameters in Tissues of African Catfish *Clarias gariepinus* (p. 222-228)

Christopher Didigwu Nwani, Gregory Ejike Odo, Alfreda O. Nwadinigwe, Christopher C. Onyeke, Chinedu Ifeanyi Atama, Godwin Ngwu, Stanley N. Oluah, Juliana Adimonye Ukonze & Bridget Chidi A. Ezeibe

Subchronic Exposure to Fenthion Induces Hematological Changes in Liver Tissue of African Catfish *Clarias gariepinus* (p. 229-234)

Christopher Didigwu Nwani, Peace Onas Somdare, Juliana Adimonye Ukonze, Vincent Chikwendu Ejere, Alfreda O. Nwadinigwe, Jacinta Chinedu Nwani, Gregory Ejike Odo & Ogechi Nnabuchi Ugbor

Effect of an Otic Milbemycin Oxime Formulation on *Tegastes acroporanus* Infesting Corals (p. 235-239)

Barrett L. Christie & Janis A. Raines

Survival Rates of Out-Migrating Yearling Chinook Salmon in the Lower Columbia River and Plume after Exposure to Gas-Supersaturated Water (p. 240-251)

Ian G. Brosnan, David W. Welch & Melinda Jacobs Scott

First Record of Fibropapillomatosis in a Green Turtle *Chelonia mydas* from the Baja California Peninsula (p. 252-257)

Eduardo Reséndiz, Sergio Flores-Ramírez, Volker Koch & Amaury Cordero-Tapia

Assessment of Detoxifying Markers for Florfenicol in Rainbow Trout Liver (p. 258-265)

Antonia Concetta Elia, Nicole Pacini, Maria Letizia Fioravanti, Ambrosius Josef Martin Dörr, Annalisa Zaccaroni, Alba Maria Parmeggiani, Andrea Gustinelli, Oliviero Mordenti, Maria Cesarina Abete & Marino Prearo