

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

Reminder: An archive of these updates is posted on the website with the password: fhs

## FHS NEWS

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

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

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

You are warmly invited to participate in the sixth International Symposium on Aquatic Animal Health (ISAAH-6), September 5 – 9 2010, in Tampa, Florida, USA. The AFS Fish Health Section, sponsoring this event, will hold its annual meeting as an integral part of the symposium. The symposium will address present practices and new initiatives in aquatic animal health, focusing on infectious diseases, wild stocks, aquaculture development, planning and emergency response systems, interaction of diseases between wild and farmed stocks, and outcomes of physical, chemical and biological environmental stress. The previous international symposia on aquatic animal health have attracted strong international support, with up to 425 participants from 35 countries!

The symposium will provide an inclusive forum for presentation of research, management, and policy issues related to the health of aquatic animals, whether wild, farmed or held on exhibit. The broadest range of animals is considered, from invertebrates, to fish, amphibians, chelonians and marine mammals. Four days of scientific sessions will include invited plenary lectures and special topic sessions, parallel sessions of oral presentations, a dedicated half-day poster session, a student workshop, a diagnostic challenges session, and an exhibits area for books and informational displays from participating scientific organizations.

The symposium venue will be the beautiful Tampa Marriott Waterside Hotel, which features elegant accommodations, a choice of restaurants, an outdoor pool, and waterfront terraces. Base room rates have been specially-negotiated at \$129 USD, single or double. Tampa is an eclectic city, with many nearby attractions, and is served by an excellent international airport.

Registration, abstract submission, travel grant applications, and hotel reservation information, will be available in early spring 2010. More information is available on symposium website.

Please join us!

*Andrew S. Kane*

Emerging Pathogens Institute  
University of Florida

*Sarah L. Poynton*

Molecular and Comparative Pathobiology  
Johns Hopkins University School of Medicine

## WEBSITE

The redesign of the FHS website is almost complete. The plan was to keep a familiar look, but increase functionality and include a password protection/member log-in option. Once the site is live we will send instructions to navigate you thru the simple log-in process. There are still a number of pending changes, but a navigable version of the site is now accessible to all on a temporary development site. The info posted is out-dated, as our primary focus has been on page structure and organization. That site is

<http://demayo.hopto.org:8080/units/fhs/> Before this becomes the new official FHS website, we would like some feedback from members regarding other potential additions and changes. We would like to increase member and non-member traffic to the site and all ideas are welcomed. We would like this page to go live in early October.

## JUST PUBLISHED - JOURNAL OF AQUATIC ANIMAL HEALTH

Volume: 21, Number: 2 (June)

**Tumors in Brown Bullheads in the Chesapeake Bay Watershed:  
Analysis of Survey Data from 1992 through 2006** (pages 71-81)

*Alfred E. Pinkney, John C. Harshbarger, and Michael A. Rutter*

**Virulence Variation of White Spot Syndrome Virus in Pacific White  
Shrimp *Litopenaeus vannamei*** (pages 82-90)

*S. E. Laramore, J. Scarpa, C. R. Laramore, and J. Lin*

**Optimizing Copper Sulfate Treatments for Fungus Control on  
Channel Catfish Eggs** (pages 91-97)

*David L. Straus, Andrew J. Mitchell, Ray R. Carter, and James A. Steeby*

**Are All Koi Ulcer Cases Associated with Infection by Atypical  
*Aeromonas salmonicida*? Polymerase Chain Reaction Assays of Koi  
Carp Skin Swabs Submitted by Hobbyists** (pages 98-103)

*Andrew E. Goodwin and Gwenn E. Merry*

**Assessment of Cellular and Functional Biomarkers in Bivalves  
Exposed to Ecologically Relevant Abiotic Stressors** (pages 104-116)

*Joanna Joyner-Matos, Jenessa Andrzejewski, Laura Briggs, Shirley M. Baker, Craig A. Downs, and David Julian*

**Evaluation of Sodium Carbonate Peroxyhydrate as a Potential  
Catfish Egg Disinfectant** (pages 117-123)

*Brian C. Small*

**Identification of *Edwardsiella ictaluri* and *E. tarda* by Species-Specific Polymerase Chain Reaction Targeted to the Upstream Region of the Fimbrial Gene** (pages 124-132)

*Takamitsu Sakai, Kei Yuasa, Motohiko Sano, and Takaji Iida*

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

<http://www.fisheries.org/fhs/meeting.htm>

**SCENARIO-TREE MODELLING AND OUTPUT-BASED STANDARDS COURSE**

The Atlantic Veterinary College

Dates: October 5th - October 9th, 2009

"Optimising surveillance requirements as part of regular standards for animal movements using stochastic scenario-tree modelling"

This two-part course will offer a one day introductory class with theory and discussion and an intensive four day course offering advanced level technical training in applied epidemiology. The course will be of interest to veterinary epidemiologists and those working in surveillance, regulation of animal movement, market access and trade-related areas. The course will use examples from both aquatic and terrestrial animal surveillance systems.

The Atlantic Veterinary College is located in Charlottetown, Prince Edward Island, Canada. Dr. Angus Cameron and Dr. Jenny Hutchison will be teaching the course. The cost per participant is 150 Canadian dollars for the one day course and 900 Canadian dollars for the full five day course.

For more information and to register, please visit the following link;  
<http://www.upei.ca/cver/cver-events/cver-host-course-scenario-tree-modelling-and-output-based-standards>

If you have any questions, you can email Carol McClure at [cmclure@upei.ca](mailto:cmclure@upei.ca).

**JOBS**

**PHD POSITION: HOST-PARASITE COEVOLUTION AND IMMUNITY OF STICKLEBACKS**

Job offer within DFG SPP 1399

We invite applications for a PhD position in the group of Animal Evolutionary Ecology at the Institute for Evolution and Biodiversity, University of Münster, Germany, <http://ieb.uni-muenster.de>.

With the project host-parasite coevolution will be investigated, using the three spined stickleback *Gasterosteus aculeatus* as a host and the cestode *Schistocephalus solidus* as a macroparasite. The research concept is based on comparisons of host-parasite pairs from different locations with differential evolution of parasite-virulence and host-resistance. In laboratory infection experiments, virulence traits of the parasite and immune traits of the hosts will be investigated, both, on the functional and molecular level. Excellent fish keeping facilities are available, which allow the controlled manipulation of temperature to mimic environmental change. Available techniques include micro array quantitative PCR and flow cytometry.

Applicants should have a master's degree or equivalent in biology or a related field. Background in evolutionary biology, immunology or parasitology and experience with cellular or molecular techniques are advantageous. Working language of the lab is English.

The project is supervised by Dr. Jörn Peter Scharsack and Prof. Joachim Kurtz and funded by the German Science Foundation (DFG; position according to TV-L E13/2). The project is part of the German priority program SPP 1399 on Host-Parasite Coevolution and thus includes comprehensive interactions with various research groups, e.g. for state-of-the-art genomic analyses, in particular with the Max-Planck-Institute for Evolutionary Biology and the IFM-Geomar.

Münster hosts many excellent scientific institutions and is a dynamic city with a high number of students and a rich choice of social, cultural and sporting facilities (see <http://www.muenster.de/en/> for further details).

Interested candidates should send applications (preferentially as a single E-mail attachment) containing a CV, a list of publications (if available), a research statement and the addresses of two potential referees to:

Dr. Jörn Peter Scharsack  
Institute for Evolution and Biodiversity, University of Münster, Hüfferstr. 1,  
DE-48149 Münster  
[joern.scharsack@uni-muenster.de](mailto:joern.scharsack@uni-muenster.de)  
Phone: +49 251 83 32550  
Closing date is September 30, 2009.

## RESOURCES

**PAIN AND DISTRESS IN FISH – see attached [ILARJ.pdf](#) and [v5004 intro.pdf](#)**  
Announcing the release of the most recent issue of the ILAR Journal, “Pain and Distress in Fish” (vol. 50, no. 4). This important issue addresses practical, ethical,

biochemical, and morphologic aspects of pain and distress in fish, as indicated in the attached table of contents. The PDF file of the issue's Introduction is also attached for your consideration.

To purchase copies of this issue or for more information about the ILAR Journal, please visit our website: [http://dels.nas.edu/ilar\\_n/ilarjournal/journal.shtml](http://dels.nas.edu/ilar_n/ilarjournal/journal.shtml)  
In addition to the purchase prices for single and multiple issues, the site has a link to sign up to receive the Journal regularly.

## **NEWS**

## **INDUSTRY NEWS**