



Fish Health Section



July 20, 2010

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

FHS NEWS

ELECTIONS – DUE JULY 23

FHS elections are still open. Cast your vote now! Candidate biosketches and a ballot form are located on the [nominations page](#). You will need to acquire a log-in name and password to access these files on the website. Remember, you need to be a current member to vote.

Sent ballots to: diwanowicz@usgs.gov

ISAAH REMINDER - LAST CHANCE TO GET ON BOARD!

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

Based on continued interest, and feedback that many students and professionals did not receive symposium information through several of our listservs, we are extending the abstract submission and regular registration deadlines through Sunday, July 25th.

Updates and symposium news:

* Over 20 nations are currently represented by attendees and presenters at this ISAAH-6.

* Outstanding plenary speakers are confirmed and will provide excellent and diverse presentations on topics of emerging importance to aquatic animal health. A special International Priorities and Perspectives plenary session will be included and feature panelists that represent the six supporting aquatic animal health professional organizations.

* ISAAH-6 will be hosting several workshops and special sessions including (1) a pre-conference workshop on Aquatic Animal Disease Surveillance, (2) the 5th Myxozoan Workshop, (3) a student professional development workshop, (4) a Diagnostic Challenges session (bring your interesting or unsolved cases!), (5) a special session on Antimicrobial Use in Aquaculture (abstracts specifically sought for this session), and (6) Global Emergency Response and Preparedness.

* Educational tour updates: The St. Petersburg excursion to the Florida Fish and Wildlife Laboratories has been cancelled due to Deepwater Horizon Oil Spill activities. However, two additional excursions have been added. The first is the Salvador Dali Museum in St. Petersburg, one of Florida's finest art museums. The second is an all-day excursion to beautiful Crystal Springs to learn about manatees... consider taking one extra day (Friday) to visit Florida's beautiful

aquifer-fed springs and swim with these beautiful and enigmatic creatures. There are still several openings remaining for the Florida Tropical Fish Farm Tour, and the Mote Marine Laboratory and Aquarium Tour.

Send in your abstracts. Register for the symposium prior to July 25th to avoid late fees. Book your hotel room as soon as possible to guarantee space and specially-negotiated rates. See you in Tampa for what will be a memorable global gathering on aquatic animal health!

Be an ambassador and spread the word

Virology - Parasitology - Bacteriology - Management - Pathology - Captive Species - Treatments - Student Workshops - Oil Spill - Immunology - Education - Professional Development – Zoonotics – Emerging Threats - Toxicology - Husbandry - Epidemiology – Networking – Educational Excursions

Attention Students Attending the 6th International Symposium on Aquatic Animal Health

If you are in need of a roommate for your hotel costs, please become a friend to the AFS/FHS Students Facebook page and post on the wall! Make sure to let everyone know if you're male or female and how many roommates you would like.

With that, please utilize the facebook page. This is an open forum to discuss problems, accomplishments, or just letting off some steam. It's also an excellent way to get to know each other, even for future collaborations!!

So utilize the AFS/FHS Students Facebook page and start posting!!

JOURNAL OF AQUATIC ANIMAL HEALTH

Volume: 22, Number: 2 (June)

A New Ranavirus Isolated from *Pseudacris clarkii* Tadpoles in Playa Wetlands in the Southern High Plains, Texas (p. 65-72)

Shannon M. Torrence, D. Earl Green, Catherine J. Benson, Hon S. Ip, Loren M. Smith, and Scott T. McMurry

A Comparison of Heavy Metal Concentrations and Health Assessment in Asian Clams *Corbicula fluminea* from Florida and North Carolina (p. 73-77)

Gregory A. Lewbart, Larry S. Christian, Craig A. Harms, and Arnaud J. Van Wettere

Cloning, Expression, and Immunogenicity of *Flavobacterium columnare* Heat Shock Protein DnaJ (p. 78-86)

Oscar Olivares-Fuster, Jeffery S. Terhune, Craig A. Shoemaker, and Covadonga R. Arias

The Effects of *Myxobolus cerebralis* on Apache and Gila Trout in Laboratory Exposures (p. 87-91)

Jim B. Thompson, Kevin R. Snekvik, and E. Richard Vincent

Neurofibroma in a Striped Mullet: Histochemical and Immunohistochemical Study (p. 92-94)

F. Marino, D. Macri, G. Lanteri, M. Manganaro, S. Monaco, and A. Germanà

Potential for Largemouth Bass Virus to Associate with and Gain Protection from Bacterial Biofilms (p. 95-101)

Shubhankar Nath, Gary M. Aron, Gregory M. Southard, and Robert J. C. McLean

Preliminary Amphibian Health Survey in the Delaware Water Gap National Recreation Area (p. 102-114)

Gavin W. Glenney, James T. Julian, and William M. Quartz

Efficacy of Florfenicol for Control of Mortality Caused by *Flavobacterium columnare* Infection in Channel Catfish (p. 115-122)

Patricia S. Gaunt, Dana Gao, Fangshi Sun, and Richard Endris

Hematological and Plasma Biochemical Parameters of Aquarium-Maintained Cownose Rays (p. 123-128)

Claudia M. Ferreira, Cara L. Field, and Allison D. Tuttle

Resistance and Protective Immunity in Redfish Lake Sockeye Salmon Exposed to M Type Infectious Hematopoietic Necrosis Virus (IHNV) (p. 129-139)

Gael Kurath, Kyle A. Garver, Scott E. LaPatra, and Maureen K. Purcell

WESTERN FISH HEALTH WORKSHOP

This meeting was a great success – thanks to all that attended. The agenda and compiled abstracts will be available on the FHS website shortly.

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

<http://www.fisheries.org/units/fhs/meeting.php>

"HEALTH AND COLONY MANAGEMENT OF LABORATORY FISH"

Mount Desert Island Biological Laboratory Bar Harbor, Maine – 16 – 20 August 2010

Applications are being accepted for this 1-week educational opportunity for individuals with maintenance, management or research responsibilities in which fish are used as laboratory animals.

APPLICATION DEADLINE - JULY 15.

(note, I was gone when this deadline passed and apologize for not posting, but if you are interested you should contact Paul Bowser and see if there are still openings)

The course is offered at the Mount Desert Island Biological Laboratory, Salisbury Cove, Maine during the period of 16 - 20 August 2010. Topics to be discussed will include general system design and water quality management, anatomy and histology of fish, general fish diseases and disease management strategies. Infectious and non-infectious diseases common to all fish as well as specific diseases of importance to laboratory-maintained zebrafish will be discussed. The course will consist of lecture, laboratory exercises and discussions. During the course there will be an opportunity for students to discuss unusual and/or unsolved diagnostic case experiences from their home laboratories as problem-solving exercises. The course should be particularly valuable to technical staff, graduate students, postdoctoral fellows, junior faculty and investigators needing skills to monitor the health of a colony of aquatic organisms.

For more information on the course, please see the course web site at:

http://www.mdibl.org/courses/Health_and_Colony_Management_of_Laboratory_Fish/182/

JOBS

FISH PATHOLOGIST II, ALASKA - JOB ANNOUNCEMENT

Monthly Salary \$4,494

FULL-TIME BENEFITS

Employment with the State of Alaska includes competitive benefits such as medical, dental, vision and life insurance, as well as 11 paid holidays annually, 2 days personal leave accrual monthly, 2 retirement plans and other optional benefits. For more information regarding these benefits, please review the following web site: <http://doa.alaska.gov/drb/>

The Alaska Department of Fish and Game, Fish Pathology Section is currently recruiting for a Fish Pathologist II in Anchorage under the direction of the Fishery Scientist I/Principal Fish Pathologist in Juneau. This is a full time, senior level position responsible for the daily management of the Anchorage Fish Pathology Laboratory with supervision of two staff members. Other duties include management of assigned programs for statewide public and private facilities directed towards finfish and shellfish disease detection and control, as well as inspection of hatchery facilities and disease history evaluation of fish and shellfish stocks.

Specific Duties include but are not limited to:

- Organize, supervise, and conduct diagnostic testing for the detection and identification of finfish and shellfish pathogens using a variety of techniques including necropsy, bacteriology, virology, mycology, parasitology, histology, and molecular methods

- Plan and conduct annual hatchery inspections of fish and shellfish hatchery facilities as required by State Statute
- Coordinate programs to provide pathogen screening of finfish and shellfish stocks for transport and broodstock suitability evaluation
- Investigate new laboratory procedures in the scientific literature and supervise implementation of new methods and technologies into the laboratory
- Under the direction of the Fishery Scientist I, supervise the administrative functions of the statewide Fish Pathology Section including accounting, preparation of budget audits, maintenance of the disease history database and preparation of year-end effort reports.
- Coordinate the allocation of resources for operation and maintenance of the Anchorage Fish Pathology Laboratory under direction from the Fishery Scientist I.
- Make recommendations for the prevention, control, containment and treatment of fish and shellfish diseases in the State of Alaska.

Desired Knowledge, Skills, Abilities and Experience:

- Knowledge of diagnostic procedures applicable to pathological conditions of fish and shellfish
- Knowledge of clinical signs of infectious fish/shellfish diseases and parasites including noninfectious diseases and toxicities
- Knowledge of therapeutic treatment methods and medications for fish diseases
- Demonstrated supervisory experience
- Demonstrated experience in a fish diagnostic laboratory
- Excellent verbal and written communication skills
- Ability to plan and conduct effective fish disease diagnostic programs
- Demonstrated ability to conduct research and write manuscripts for publication in professional journals
- A strong work ethic with reliable attendance, punctuality and a positive attitude
- Ability to work independently with minimal supervision

Minimum Qualifications

- B.S. degree in microbiology, fisheries biology or closely related field required and four years of professional experience in fish pathology.

- M.S. or Ph. D. in fisheries or microbiology with three years or one year, respectively, of professional experience in fish pathology
- DVM with at least one year of professional experience in fish pathology.
- Certification as a Fish Pathologist or Fish Health Inspector by the Fish Health Section of the AFS is desirable

Contact Information and Apply On Line –

<http://notes4.state.ak.us/wa/postapps.nsf/997aaae09c093ddd8925643e0063742b/ec9626e134339fed892577590060a712?OpenDocument>

RESOURCES and ISSUES