



Fish Health Section



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

FHS NEWS

2015 FHS Elections Are Coming Soon!!

The 2015 FHS elections are rapidly approaching. The biosketches of the nominees for Vice President, Secretary-Treasurer, Professional Standards Committee, Technical Standards Committee, and Nominating and Balloting Committee have been compiled in the attached PDF entitled, "Biosketches_2015". Please take some time to review the excellent candidates that have been nominated for each position. Voting will open soon, and more information will be forthcoming.

FHS Meeting Attendees: Special Event at the AFS-FHS Meeting in Ithaca, NY!!

We look forward to seeing everyone in Ithaca next week!

Please join us for a July 14 lakeshore evening under the Big White Tent at The Boat Yard Grill in Ithaca. Eat, drink, and be merry while we celebrate Dr. Paul Bowser's transition from Professor to Professor Emeritus status with a few toasts and tales by colleagues, students, and friends. It's all part of your annual Fish Health Section meeting package. Meeting information can be found under "Meetings, Workshops, and Courses".





Meetings, Workshops, and Courses

21st Annual Aquaculture Drug Approval Coordination Workshop
Bozeman, Montana
July 27-30, 2015

The draft agenda is now available! Please view the attached PDF entitled, "Agenda 2015_draft_06-17-15 mb". Please click [HERE](#) to see the Workshop website and Registration page!

21st Annual Aquaculture Drug Approval Coordination Workshop

HOSTED
BY **USFWS—AADAP Program**



Bozeman, Montana

Monday, July 27th—Thursday, July 30th, 2015



Health and Colony Management of Laboratory Fish
Mount Desert Island Biological Laboratory, Salisbury Cove, Maine
August 16-21, 2015

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 - JUNE 12, 2015.

The course is offered at the Mount Desert Island Biological Laboratory, Salisbury Cove, Maine during the period of 16 - 21 August 2015. 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. The course also provides a unique educational opportunity for Residents in Laboratory Animal Medicine Programs.

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

<http://mdibl.org/course/hcmlf-2015/>

European Association of Fish Pathologists International Conference on Diseases of Fish and Shellfish—Deadlines for Abstract Submission and Early Registration
Las Palmas de Gran Canaria, Spain
September 7-11, 2015

The EAFP 17th International Conference on Diseases of Fish and Shellfish is now being planned for September 7-11, 2015 in Las Palmas de Gran Canaria, Spain, and promises to be another exceptional conference. This conference will provide an excellent opportunity to share your research with participants from around the world in a beautiful and historic venue. For more information on the conference, please visit the conference website at <http://www.eafp2015.es/>. The deadline for submission of abstracts (online electronic submission only) is **April 10, 2015**, and the deadline for early registration is **May 15, 2015**.

EAFP Pre-conference workshop on diagnostic test validation
Held in conjunction with the EAFP meeting, Canary Islands, Spain
September 6th

If you need guidance on the best strategies for use of experimental and/or field studies to obtain estimates of diagnostic sensitivity and specificity, and tips for analyzing these data this workshop is for you. There will be 3 hours of lecture/discussion and the remaining 4 hours will be problem-based with use of Medcalc software to analyze data assuming a perfect reference standard. If there is sufficient interest, one hour may be allocated to use of latent class analysis when the reference standard is imperfect. Examples will be based on OIE-listed diseases of finfish, mollusks and crustaceans and participants are encouraged to bring their own data or provide relevant examples for discussion.

****Please see the attached PDF entitled, "Evaluation of the accuracy of diagnostic tests April 10" for more information on this workshop as well as a course outline.****

Short Course on Toxicologic Pathology in Fish
University of Berne, Switzerland
October 7-9, 2015

We are pleased to announce the 3rd short course on toxicologic pathology in fish. The aim is to provide training in the methods and diagnosis of toxicopathological lesions in fish.

Please open the attached PDF entitled, "Toxicopath flyer 2015 final" for more information.

4th International Conference on Members of the Genus Flavobacterium
Auburn, Alabama
October 27-29, 2015

The Flavobacterium 2015 Organizing Committee welcomes your abstracts for oral papers and scientific posters. **Registration is now open.** Instructions for abstract submission can be found at www.flavobacterium.com. Information on lodging and travel to Auburn is also available on the website. We plan on opening registration in the upcoming weeks.

If you have any questions about the meeting please, contact the organizing committee at flavobacterium2015@gmail.com

Looking forward to receiving your abstracts!

Don't forget to like the conference FB page Flavobacterium 2015

Cova Arias, PhD
ariascr@auburn.edu
www.ariaslab.org

JOBS/GRADUATE ASSISTANTSHIPS

Graduate Student Opening at the School of Fisheries - Auburn University

I have a PhD student opening in my lab to work with fish pathogens. This person will participate in the daily operations of the Southeastern Cooperative Fish Disease Lab and must have previous experience on aquatic animal health. Ideally, I'd prefer a candidate with some experience in pathology or tissue culture and with a MS degree. Molecular biology experience is not required although the student's project will involve the use of DNA-based techniques including next generation sequencing. If you know of any potential students please tell them to contact me by mail (I'll be traveling in the upcoming weeks).

Cova Arias, PhD
Assistant Director
Instruction, Extension & Outreach
Professor, Aquatic Microbiology
School of Fisheries
385 CASIC (office)
Auburn University
Alabama, AL 36849
Phone: (334) 844 9215
Fax: (334) 844 9208
ariascr@auburn.edu
www.ariaslab.org

RESOURCES

Lab Equipment For Sale

John Cvitanich is retiring and has lab equipment and furniture for sale. A list is attached with contact information (see PDF entitled, "Lab Equipment For Sale"). Contact him directly for pricing.

AADAP Newsletter

The June AADAP Newsletter (Volume 11-1) is now available. Please see the attached PDF entitled, "AADAP News_June 2015_FINAL.pub).

2nd Edition of the Quick Desk Reference Guide to: Approved Drugs for Use in Aquaculture

The U. S. Fish and Wildlife Service Aquatic Animal Drug Approval Partnership (AADAP) Program will soon be releasing the 2nd Edition of the Quick Desk Reference Guide to:

Approved Drugs for Use in Aquaculture. Originally published in 2011 with support from the Association of Fish and Wildlife Agencies and the American Fisheries Society Fish Culture and Fish Health Sections, the Desk Reference was provided free-of-charge to the many AADAP partners and stakeholders. The Desk Reference proved wildly popular: 1,100 of the 1st edition were made available, and all were spoken for in less than 2 days. The U.S. Food and Drug Administration has granted several new drug approvals since publication of the 1st edition, and the 2nd edition reflects all of these important advances in fish health management. Thanks to generous contributions from external partners, AADAP will be able to produce and ship 2,000+ of the 2nd edition to our partners across the country. The 2nd edition Desk Reference should be available for distribution by the end of April 2015—they will go fast, so be sure to submit your request for a copy right away!

If you are interested in receiving the new Desk Reference booklet, **please contact Ms. Niccole Wandelaar** (niccole_wandelaar@fws.gov) and provide her the following information:

- 1) Your first and last name,
- 2) Your organization,
- 3) Your current FedEx address (or street address; *no PO Boxes* please),
- 4) A phone number,
- 5) The number of booklets you'd like.

Journal of Aquatic Animal Health

New Issue Contents

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Beneficial Effects of *Rhodotorula* sp. C11 on Growth and Disease Resistance of Juvenile Japanese Spiky Sea Cucumber *Apostichopus japonicus* (p. 71-76)

ZhiPing Yang, JianMing Sun, Zhe Xu

Effects of Waterborne Lead Exposure in Mozambique Tilapia: Oxidative Stress, Osmoregulatory Responses, and Tissue Accumulation (p. 77-87)

Hasan Kaya, Mehmet Akbulut

Activity of Antibiotics against *Mycobacterium* Species Commonly Found in Laboratory Zebrafish (p. 88-95)

Carolyn T. Chang, Christopher M. Whipps

Pathogenicity of Members of the *Vibrionaceae* Family to Cultured Juvenile Sablefish (p. 96-103)

Mary R. Arkoosh, Joseph P. Dietrich

Chitosan Influences the Expression of P-gp and Metabolism of Norfloxacin in Grass Carp (p. 104-111)

Kun Hu , Xinyan Xie, Yi-Ni Zhao, Yi Li , Jiming Ruan, Hao-Ran Li, Tianyi Jin, Xian-Le Yang

Growth Inhibition of Bacterial Fish Pathogens and Quorum-Sensing Blocking by Bacteria Recovered from Chilean Salmonid Farms (p. 112-122)

Mery de la Fuente, Claudio D. Miranda, Paz Jopia, Gerardo González-Rocha, Nicolás Guiliani, Katherine Sossa, Homero Urrutia

Characterization of Isolates of *Streptococcus agalactiae* from Diseased Farmed and Wild Marine Fish from the U.S. Gulf Coast, Latin America, and Thailand (p. 123-134)

Esteban Soto, Rui Wang, Judy Wiles, Wes Baumgartner, Christopher Green, John Plumb, John Hawke

Oral Vaccination of Channel Catfish against Enteric Septicemia of Catfish Using a Live Attenuated *Edwardsiella ictaluri* Isolate (p. 135-143)

David J. Wise, Terrence E. Greenway, Todd S. Byars, Matt J. Griffin, Lester H. Khoo