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

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FHS NEWS

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

2008 ANNUAL FHS MEETING –

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

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

**15th ANNUAL WHIRLING DISEASE AND AQUATIC INVASIVE SPECIES
SYMPOSIUM** – see attached 2009 Call for Presentations.doc

Feb 5-6, 2009
Denver, CO

This year's symposium will integrate whirling disease research with findings of other aquatic invasive species of concern. We have come a long way in our understanding of how to detect, manage and control whirling disease, and much of this information will be useful in approaching control of other aquatic invasives. At this year's meeting we will examine the current status of research, hear about studies on resistant trout and worms and how they are being used, and receive updates on detection and status of a variety of other invasive aquatic organisms in the region.

**INTERNATIONAL ASSOCIATION FOR AQUATIC ANIMAL MEDICINE
(IAAAM)**

40th Annual Conference
San Antonio Texas, 2 - 6 May 2009

Hosted by SeaWorld San Antonio, with workshops and board meeting on the 2nd, and scientific sessions starting on the 3rd.

The C.L. Davis Pathology Workshop will be held on the 2nd, with Dr. Mike Rinaldi of the University of Texas Fungus Testing Laboratory as keynote speaker for the workshop.

The deadline for abstract submissions is 25 February 2009.

Instructions for abstracts and the online abstract submission form may be found at <http://www.iaaam.org> under Annual Meetings/Current Meetings. Abstracts relating to health of fish, marine mammals, aquatic invertebrates, aquatic reptiles and amphibians, and aquatic birds are welcome.

For further information, contact the Program Chair:

Craig A. Harms, DVM, PhD

Diplomate ACZM

North Carolina State University

College of Veterinary Medicine

Department of Clinical Sciences

Center for Marine Sciences and Technology

303 College Circle

Morehead City, NC 28557

252-222-6339

252-222-6311 fax

craig_harms@ncsu.edu

THE UNIVERSITY OF ARIZONA 2009 SHRIMP PATHOLOGY SHORT COURSE DISEASE DIAGNOSIS AND CONTROL IN MARINE SHRIMP CULTURE

June 1 - 12, 2009

Sponsored by The University of Arizona Department of Veterinary Science and Microbiology and in cooperation with the USDA Marine Shrimp Farming Program.

This year marks the 21st of our annual intensive short courses on shrimp diseases. The 2009 Shrimp Pathology Short Course will be conducted from June 1 - 12, 2009, on the University of Arizona campus in Tucson, Arizona, USA.

The course, entitled "Shrimp Pathology Short Course: Disease Diagnosis and Control in Marine Shrimp Culture", is taught by Dr. Donald Lightner and his colleagues from the Aquaculture Pathology Laboratory at the University of Arizona. This intensive course consists of comprehensive lectures and practical laboratory training that is focused on current methods used to diagnose, prevent, and treat the principal diseases of cultured penaeid shrimp. This program also provides an excellent opportunity for participants to meet and interact with others involved in shrimp disease research and management.

Website: <http://microvet.arizona.edu/research/aquapath/index.htm>

Registration Information: Registration is limited to 30.

Deposit and Early Registration Deadline: \$100 (USD) by April 1, 2009.

Cost: \$1,500 (USD) if deposit received on or before April 1, 2009.

\$2,000 (USD) if deposit received on or after April 2, 2009.

To Apply: Complete the application form (download from website) indicating how you will be paying your \$100 deposit (Bank draft, Mastercard & Visa accepted) and send the form by mail or FAX to:

The University of Arizona

Department of Veterinary Science & Microbiology

Aquaculture Pathology Laboratory

1117 E. Lowell Street, Room 102

Tucson, Arizona 85721 USA

Phone: 520-621-8414, 520-621-4438

FAX: 520-621-4899

Email: ritar@email.arizona.edu or dvl@email.arizona.edu

Note: The University of Arizona reserves the right to cancel the course if participant pre-enrollment is less than 10. All deposits will be refunded if the course is cancelled. Deposit will be refunded if participant's cancellation is received on or before May 1, 2009. After this date, participant's deposit will not be refunded. No exceptions.

Accommodations:

Both single and double rooms are available at the nearby Sheraton Four Points Hotel at \$65.00 per night per room (price does not include the applicable taxes). On campus dormitory rooms are also available for \$27.00 per night for a single room and \$46.00 per night (\$23.00 per person) for a double room.

International Travelers: Due to more stringent U.S. entry requirements, allow a minimum of 4-6 months for visa processing.

Program

Lectures: At least two lectures are scheduled each day. The following topics will be covered:

1. Course introduction, purpose, scope and schedule.
2. Introduction to gross anatomy and normal histology.
3. White Spot Disease (WSSV).
4. The baculovirus and baculo-like virus disease including MBV, BP and BMN.
5. Infectious hypodermal and hematopoietic necrosis virus, hepatopancreatic virus and other parvovirus caused diseases.
6. Taura syndrome, Infectious myonecrosis, Yellowhead and other RNA virus caused diseases.
7. Bacterial, rickettsial and fungal diseases.
8. Surface fouling diseases.
9. Nutritional diseases.
10. Toxic and environmental disease syndromes.
11. Diseases of unknown or uncertain etiologies.
12. Parasitic diseases.
13. Methods of disease prevention and/or treatment.

14. New diagnostic procedures.

Labs and Demonstrations: Two lab sessions per day. Topics to be covered in the labs include:

1. Fixation procedures for routine histology.
2. Standard histological techniques.
3. Normal histology and post-mortem change of principal organs and tissues.
4. Wet mount diagnostic procedures.
5. PCR/RT-PCR and gene probes for diagnosis of viral diseases.
6. Antibody-based methods for diagnosis of viral diseases.
7. Isolation, culture, identification and antibiotic sensitivity of bacterial isolates.
8. Histopathology of viral, bacterial, rickettsial, fouling, parasitic, toxic and nutritional diseases.

University Graduate Course Credit: Three graduate credits are available for VSC565 (US Residents) through The University of Arizona Summer Session. For more information concerning University graduate studies application forms, enrollment fees and late fee deadlines, contact Rita Redman or Dr. Donald Lightner at The University of Arizona: office phone - (520) 621-8414, (520) 621-4438; or e-mail: ritar@email.arizona.edu or dvl@email.arizona.edu.

Need more information?

Contact Rita Redman or Dr. Donald Lightner:

The University of Arizona

Department of Veterinary Science & Microbiology

Aquaculture Pathology Laboratory

1117 E. Lowell Street, Room 102

Tucson, Arizona 85721 USA

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Email: ritar@email.arizona.edu or dvl@email.arizona.edu

OREGON STATE UNIVERSITY SALMONID DISEASE WORKSHOP

July 13-24

Corvallis, OR

This is a preliminary announcement for this course and more information will be forthcoming, but if you have questions please contact: Jerri Bartholomew <bartholj@science.oregonstate.edu>

JOBS

POST-DOCTORAL POSITION IN ORTHOMYXOVIROLOGY

A post-doctoral position in orthomyxovirology is available starting immediately, in the OIE Reference Laboratory for Infectious Salmon Anaemia (ISA) at the Atlantic Veterinary College, University of Prince Edward Island (see <http://www.upei.ca/avc/>).

Funding is available for 2 years with possible continuation. Research focuses on devising strategies and tools for controlling ISA in marine-farmed Atlantic salmon. The successful candidate will participate in an Atlantic Innovation Fund (AIF) research project in a busy lab. He/She will be directly responsible for the construction of vectors for production and characterization of recombinant viruses. The trainee will also have the opportunity to work with highly active researchers and graduate students in the lab to further develop the project into an in-depth focus on ISA virus virulence mechanisms.

A DVM and PhD or equivalent degrees are required for consideration. The preferred person would be uniquely qualified in viro-immunology, have completed at least one year of post-doctoral training in a "core" virology research laboratory and will be familiar with (1) classical and molecular methods of (a) virus detection and quantitation, and (b) host response detection and quantitation; (2) recombinant protein expression and characterization; (3) cell culture techniques; (4) virus propagation methods; (5) serology techniques; and (6) use and care of experimental animals in research. The project would provide the person the opportunity to interact with project partners in industry and government allowing him/her to get an appreciation for an entrepreneurial research and development environment.

Applications will be accepted until January 31, 2009 or until a suitable candidate is found. The starting date is negotiable but will not be later than February 01, 2009. The starting salary for this position is \$40,000/annum including fringe benefits. To apply, please submit a letter detailing your qualifications, experience and research interest, and a current CV, and arrange to have 3 letters of reference sent to:

Dr. Frederick S.B. Kibenge
Department of Pathology and Microbiology
Atlantic Veterinary College
University of Prince Edward Island
550 University Avenue
Charlottetown, PEI C1A 4P3 CANADA
kibenge@upei.ca, or Fax: (902) 566-0851

In accordance with Canadian immigration requirements, all qualified candidates are encouraged to apply; however, Canadians and Permanent residents will be given priority. UPEI is committed to the principle of equity in employment.

AQUATIC ANIMAL HEALTH SPECIALIST (DVM) (REF. #FAC09-017)

Department of Marine Biology and the Center for Economic and Environmental
Development
Visiting Assistant Professor
Roger Williams University
Feinstein College of Arts and Sciences

Review of applications will begin January 15, 2009 and will continue until the
position is filled.

Description and Responsibilities:

The Department of Marine Biology invites applications for the position of Aquatic
Animal Health Specialist. This position is as a full-time Visiting Assistant
Professor and entails developing a Center for Aquatic Animal Health at Roger
Williams University.

The Aquatic Animal Health Center will join an existing shellfish hatchery in a new
addition to the Marine and Natural Sciences Building on the Bristol (RI) campus,
(expected completion in autumn 2009). The Aquatic Animal Health Center,
consisting of this position and a research technician, will provide support services
to the university's aquatic animal research groups; will establish an externally
funded program of research in the Specialist's area of interest and will provide
animal health services to the aquatic animal industry within the region. In
addition, the Aquatic Animal Health Specialist will be expected to develop
courses at the undergraduate level in support of the biology and aquarium
sciences programs. It is expected that the Center will provide opportunities for
undergraduate research in the field of aquatic animal health. Other
responsibilities will include management of the operations of the Center and
supervision of the Research Technician.

Qualifications:

A DVM/VMD degree from an accredited veterinary college is required with
competency in aquatic animal medicine. Candidates must be qualified to become
board certified in Rhode Island. The successful candidate also should have
demonstrated research competence with an ability to compete for extramural
funding. Preference will be given to candidates with either a MS or Ph.D. in
aquatic animal disease research. Evidence of successful teaching experience is
preferred. The candidate must possess strong interpersonal skills and have the
ability to work with a variety of individuals including faculty, staff, students,
producers, regulators, and the general public.

Contact Person:

Please contact the search committee chair, Dr. Dale Leavitt, at dleavitt@rwu.edu
for further information.

To Apply:

Qualified applicants should submit: 1) a letter of intent including statements of teaching philosophy and research interests; 2) a current vita; 3) names and contact information of at least three references.

All applications should be submitted electronically via email to the chair of the search committee (dlevitt@rwu.edu) with the following text in the subject line: "Aquatic Animal Health Position # FAC09-017; Applicant's Last Name, First Name".

Roger Williams University
One Old Ferry Road
Bristol, Rhode Island 02809-2921

RESOURCES

NUTSHELL NEWSLETTER – see attached Nutshell Newsletter #22.pdf

APHIS PROMOTES COLLABORATION WITH VHS EDUCATION AND OUTREACH ACTIVITIES  http://aquanic.org/news/2008/aphis_promotes_collaboration.htm

OIE CHAPTERS – REQUEST FOR COMMENTS

For convenience, all proposed chapters and instructions for commenting have been posted on the FHS website:

<http://www.fisheries.org/units/fhs/OIE.htm>

- Due date of January 14, 2009 for comment submission on all of documents to Paul.G.Egrie@aphis.usda.gov

NEWS

ISA OUTBREAK REAPPEARS IN MAGALLANES REGION OF CHILE

<http://www.growfish.com.au/content.asp?ContentId=12437>