



Fish Health Section



FHS NEWS – November 2024

Fish Health Section website: <https://units.fisheries.org/fhs/>

Fish Health Section Facebook Site: <https://facebook.com/FishHealthSectionAFS>

Fish Health Section on LinkedIn: Please join our newest social media network at LinkedIn Login, Sign in or search for us and ask to join.

Fish Health Section Twitter feed: @AFSFishHealth

Welcome to our newest members: Sarah Barker, Dollie Campbell, Eileen Henderson, Claire Snyder, and Alicia Toranzo!

MEETINGS, WORKSHOPS & COURSES

Ecology of Infectious Diseases in a Changing Ocean Course

I would like to invite you to apply to our [3-week graduate-level workshop on the ecology of infectious diseases in a changing ocean](#) at the Friday Harbor Labs, in Washington state, USA, from June 11- July 2, 2025. This course will be led by Maya Groner, and focus on learning lab, field and some modeling techniques for studying marine diseases. The approach is very hands-on (numerous field trips, and labs) and will include guest lectures from many leaders in this field (Drew Harvell, Eileen Hofmann, Colleen Burge and more). We will use eelgrass wasting disease as a model system for learning many concepts of marine disease ecology, but the lessons will be applicable to many disease systems.

Graduate students, postdocs, and exceptional undergrads and post-baccs are encouraged to apply. We have substantial scholarship funding available to offset costs. The application deadline (for priority consideration) is Feb 1.

Please reach out to Maya Groner (mgroner@bigelow.org) if you have any questions.

2nd Annual Ethics in Wildlife Medicine Symposium

Please see the attached invitation to join Pacific Region Fish Health Program for the 2nd annual Ethics in Wildlife Medicine Symposium virtually on December 6, 2024 from 9:00 am to 1:00 pm. We are hosting a fantastic panel of international experts in White Nose Syndrome, Hawaiian monk seal disease control, California condor health response, Chronic Wasting Disease, and more!

[Registration](#) is free and open to everyone. Please share the attached flyer widely with interested colleagues, volunteers, trainees, students, and friends. The event will be held on Microsoft Teams, sign in information will be sent the week prior to the event.

**73rd Annual Northwest Fish Culture Concepts
December 10 – 12, 2024
Seaside Civic and Convention Center - Seaside, Oregon**



This is your invitation to attend the 73rd Annual Northwest Fish Culture Concepts (NWFC) event in Seaside, Oregon, December 10 – 12, 2024. The Oregon Department of Fish and Wildlife is pleased to be hosting this event at the Seaside Civic and Convention Center.

This event promises to be extremely educational and beneficial for everyone attending, presenting, and exhibiting fish culture products. Registration is now open; go to the following link to register online with secure credit card payment options:

<https://17958.ezfacility.com/login?SmuFormId=4E301E30-F0F4-4AB7-BB3A-C8122FE14981>

See attached .pdf for more information.

American Board of
Veterinary Practitioners

FISH PRACTICE SPECIALTY

GET RECONGNIZED

For excellence and
distinction in the art and
science of fish medicine
and surgery.

DEADLINE JAN 15



VETERINARIANS WITH THE FOLLOWING CAN APPLY

- Work with pet fish, zebrafish, aquaculture, aquarium fish and more
- 4.5-5 years experience
- 15% or more total case load

LEARN MORE



JOBS/GRADUATE ASSISTANTSHIPS

Research Associate

College of Veterinary Medicine at Mississippi State University

Gautier, MS

Link: <https://explore.msujobs.msstate.edu/en-us/job/508559/research-associate>

The College of Veterinary Medicine at Mississippi State University seeks a research associate to support marine health research at the MSU Gulf Coast Aquatic Health Lab, under the Global Center for Aquatic Health and Food Security. This position is based in Gautier, Mississippi, with periodic travel to Starkville, Mississippi.

The successful candidate will contribute to funded research projects focusing on marine animal and ocean health, including genomic epidemiology, virome/microbiome studies, genomics, molecular biology, bioinformatics, and environmental and marine animal sample collection and analysis.

Applicants must have a Bachelor's degree in animal science, biochemistry, biology, bioinformatics, marine biology, microbiology, molecular biology, veterinary science, virology, or a related field. A Master's degree in epidemiology, virology, molecular biology, genomics, bioinformatics, or a related discipline with demonstrated expertise in aquatic animal health is preferred. Training or experience in marine animal health, molecular diagnostics, cell culture, or genomic techniques such as qPCR, genome assembly, transcriptome analysis, or phylogenomics is highly desirable. Additional expertise in high-performance computing (e.g., shell programming, Python programming, or artificial intelligence) and a strong record of scientific writing are also valued. The ability to collaborate effectively within a multidisciplinary team is essential.

The position is open until filled. More information can be found at MSU Jobs.

Job Number: 508559

Fish Health Specialist

Oregon Department of Fish and Wildlife

Corvallis, OR

Closes 12/6/24

Link: https://oregon.wd5.myworkdayjobs.com/SOR_External_Career_Site/job/Corvallis--ODFW--Fish-Health/Natural-Resource-Specialist-3--Fish-Health-Specialist--Limited-Duration_REQ-169465

As a Natural Resource Specialist 3 – Fish Health Specialist in Corvallis, Oregon, you will work to promote the health of Oregon's fish resources and prevent and control fish diseases and fish losses.

As a professional medical diagnostician-practitioner, you will:

- Determine the cause of fish losses in public hatcheries and in naturally reared fish populations
- Recommend appropriate therapy or changes in fish culture practices to prevent and control diseases.
- Conduct fish health examinations, diagnostic necropsies, and facility inspections for biosecurity.
- Prepare fish health activity summaries for the necessary reports to internal departments and external cooperating agencies.
- Collect, analyze, and interpret microbiological analysis of fish tissues for pathogens.
- Prepare risk assessments considering fish health when there is proposed transfer or importation of fish or eggs or when passing fish above barriers.

Assistant/Associate Professor – Aquaculture and Fish Health Management

University of Idaho

Moscow, ID

Open until filled

Link: <https://uidaho.peopleadmin.com/postings/45913>

This tenure track assistant, tenure track associate or tenured associate professor will conduct research in the fields of Aquaculture and Fish Health Management, publish such research in refereed journals, present findings at professional conferences, write columns in trade journals, and write and submit proposals to extramural agencies to fund this work. Rank and tenure are negotiable based on how the candidate meets the criteria outlined in the college bylaws.

The incumbent is expected to teach approximately 6-8 credits per year at the undergraduate and graduate level according to the needs of the department and as directed by the department head, focused primarily on aquaculture and fish health. The incumbent will advise and mentor undergraduate and graduate students and supervise staff and postdoctoral fellows associated with the Aquaculture and Fish Health programs administered on-campus at the UI and within the Aquaculture Research Institute (ARI). The incumbent will provide oversight and supervision of the CNR Aquatic Animal Laboratory (AAL) and is expected to contribute to build a vibrant undergraduate program in aquaculture and fish health.

They are expected to develop collaborative relationships within the department, ARI, college and university, as well as with external entities in the Aquaculture and Fish Health fields. The incumbent is expected to participate in professional societies and conduct outreach and service activities such as workshops, grant and manuscript reviews, student recruitment, and other efforts that translate research findings to a diverse audience. They are expected to attend faculty meetings and participate in committees at the department, college and/or university level as directed by the department head and college Dean.

See attached .pdf for more details.

Zebrafish Related Job Announcements

<https://wiki.zfin.org/display/jobs/Zebrafish-Related+Job+Announcements>

RESOURCES/NEWS

Aquatic Animal Drug Approval Partnership (AADAP) Updates are available by request:

The AADAP Updates feature news on aquaculture drugs currently in the U.S. Food and Drug Administration (FDA) approval process, AADAP programmatic updates, and aquaculture drug use guidance information. If you would like to sign up to receive the AADAP Update, please email to be paige_maskill@fws.gov added to our email listserv.



**73rd Annual Northwest Fish Culture Concepts
December 10 – 12, 2024
Seaside Civic and Convention Center - Seaside, Oregon**

Dear Fish Culture Associates:

This is your invitation to attend the 73rd Annual Northwest Fish Culture Concepts (NWFC) event in Seaside, Oregon, December 10 – 12, 2024. The Oregon Department of Fish and Wildlife is pleased to be hosting this event at the Seaside Civic and Convention Center.

This event promises to be extremely educational and beneficial for everyone attending, presenting, and exhibiting fish culture products. Registration is now open; go to the following link to register online with secure credit card payment options:

<https://17958.ezfacility.com/login?SmuFormId=4E301E30-F0F4-4AB7-BB3A-C8122FE14981>

We strongly encourage registration and payment online but will also accept mail-in registrations; please contact us for mail-in registration details.

We recommend early registration as strong attendance is expected. The fee for early registration is \$175.00. Registration and payment must be made (or postmarked) by Friday, November 1, 2024. After this date, registration fees increase to \$200.00. Fees include lunch on December 11.

Registration is also available for students and retirees at \$75.00 each. Guest registration for the Tuesday evening social only is \$50.00.

There are several options for Hotel Reservations below government rates. Please click on this link (https://registrationfiles.ezfacility.com/20088_NWFC_Hotel_Links_FINAL.docx) to view the three hotels recommended.

NWFC 2024 Vendor Registration Information:

Vendors have a great opportunity to interact with attendees as all breaks and socials will be held in vendor display areas. The Seaside Civic and Convention Center has exceptional display space reserved for manufacturers and suppliers of fish culture related products and services. Exhibitors are encouraged to register and receive all the necessary information online at the event website.

Registration is open for vendors at this link:

<https://17958.ezfacility.com/login?SmuFormId=3099CC11-4414-4D69-98DB-D7F938EDD215>

Hotel Registration:

https://registrationfiles.ezfacility.com/20088_NWFCC_Hotel_Links_FINAL.docx

Additional questions about vendor registration:

Contact Dan Green at 541-374-8393 or daniel.g.green@odfw.oregon.gov.

Overall questions about Registration or Special Requests:

Please contact Shari Beals at:

503-947-6243 or shari.r.beals@odfw.oregon.gov

Mail: ATTN: Shari Beals
Oregon Department of Fish and Wildlife
4034 Fairview Industrial Dr. SE
Salem, OR 97302-1142

We look forward to seeing you at this exciting fish culture event! This year we are especially looking forward to presentations highlighting our 73rd Annual NWFCC theme: **Enhancing Northwest Fisheries**.

NWFCC 2024 - FIRST CALL FOR PAPERS:

Included in this letter of invitation is our **First Call for Papers** which describes paper submission procedures for either oral or poster presentations. Early submission of abstracts and papers is requested.

Abstracts for Oral and Poster Presentations:

Oral Presentations: Please submit to Brent Hinnners brent.a.hinnners@odfw.oregon.gov

If you have questions, you can call Brent at 971-673-6006.

You may also send to shari.r.beals@odfw.oregon.gov.

Poster Presentations: Please submit to Andrew Gibbs andrew.j.gibbs@odfw.oregon.gov

If you have questions, you can call Andrew at 541-786-3114.

The deadline for submitting abstracts for the 73rd Annual NWFCC is **November 1, 2024**. Preference will be given to submissions that pertain to the NWFCC 2024 theme of "Enhancing NW Fisheries." However, all topics relevant to aquaculture in North America will be considered. Session topics will be determined based on the abstracts submitted.

The following are ideas for presentation or poster topics:

- Reintroduction programs
- Hatchery science
- Climate change and hatchery resilience
- Fish Health
- Hatchery gadgets (smarter not harder)

Guidelines for submissions (please use MS Word):

- 1) TITLE – **Bold title in Arial, 11 point font**, at top of abstract
- 2) PRESENTER – list authors and designate presenter by a * , employer or affiliation, mailing address, city, state, zip, phone and email should be included, superscript numbers can be used for authors with alternate contact information
- 3) POSTER or ORAL – Please indicate presentation type before the abstract
- 4) ABSTRACT – (500 word limit) – Use Arial, 11 point font
- 5) TABLES – A table or figure can be included with the abstract, but the entire abstract (abstract plus table or figure) is restricted to one page total
- 6) SUBMISSIONS – Please submit **by November 1, 2024** to the following people:
 - Oral Presentations to brent.a.hinners@odfw.oregon.gov or shari.r.beals@odfw.oregon.gov
 - Poster Presentations to andrew.j.gibbs@odfw.oregon.gov.
- 7) EXAMPLE – Please see following page for an example abstract
- 8) PRESENTATIONS – All presentations must be in PowerPoint, 15 minutes for presentation and 5 minutes for questions
- 9) POSTERS – Posters need to fit in a 4'x4' space

Example Abstract:

NWFCC 2021: Recruiting the Next Generation of Fish Culturists

Marc Garst* and Cassie Sundquist¹

* Idaho Department of Fish and Game, Headquarters, 600 S. Walnut, Boise, Idaho, 83712. 208-287-1234, marc.garst@idfg.idaho.gov

¹ Idaho Department of Fish and Game, Fisheries Bureau, 3101 Powerline Road, Nampa, Idaho, 83686. 208-287-5678, cassie.sundquist@idfg.idaho.gov

ORAL PRESENTATION

Fish culture has a long and diverse history in the Pacific Northwest and will continue to play a major role in fisheries management, species preservation, food production, and economics, as well as social and political change in the future. The 71st Annual Northwest Fish Culture Concepts is the place to learn about progressive fish culture techniques and programs as well as gain a better understanding of our historical role in the region over the last 100+ years. Meeting participants will have the opportunity to attend presentations about advancements and observations in aquaculture.

Along with great presentations, attendees will be able to visit with vendors and exhibitors during breaks and socials to ensure great information and products are taken back to each operation. Through these multiple inputs of knowledge and equipment, participants will increase their relative understanding of aquaculture principles and procedures, which may contribute to attainment of desirable fish culture outcomes upon return to their home stations.

Aquaculture and Fish Health Management faculty Position at University of Idaho

The Department of Fish and Wildlife Sciences in the College of Natural Resources at the University of Idaho is pleased to announce a tenure-track or tenured faculty position in the area of Aquaculture/Fish Health. The appointment may be tenure-track at the rank of Assistant Professor or Associate Professor, depending on qualifications and experience. The position will be a 9-month appointment with primary responsibilities in Research (45%), Teaching (45), Extension (5), and Service & Leadership Scholarship Outreach (5%).

Unit/Department Summary: The University of Idaho College of Natural Resources (CNR) is committed to disciplinary and interdisciplinary programs that integrate ecological, social and natural resource science and management systems. Our research, education and outreach sustain people and the land through innovative science, technology and leadership. We respect and are committed to learning about other ways of knowing and strive to embody the University of Idaho's land grant mission, especially its commitment to equity, diversity and inclusion. We seek staff and faculty who will contribute to our goal of increasing and maintaining the diversity of its student body, faculty, and staff to achieve U of I's land grant access mission and to support long-term, sustainable success of natural resources fields.

The University of Idaho, home of the Vandals, is Idaho's land-grant, national research university. From its residential campus in Moscow, U of I serves the state of Idaho through educational centers in Boise, Coeur d'Alene and Idaho Falls, nine research and Extension centers, plus Extension offices in 42 counties. Home to nearly 11,000 students statewide, U of I is a leader in student-centered learning and excels at interdisciplinary research, service to businesses and communities, and in advancing diversity, citizenship and global outreach. Learn more at uidaho.edu.

Position Description: This tenure track assistant, tenure track associate or tenured associate professor will conduct research in the fields of Aquaculture and Fish Health Management, publish such research in refereed journals, present findings at professional conferences, write columns in trade journals, and write and submit proposals to extramural agencies to fund this work. Rank and tenure are negotiable based on how the candidate meets the criteria outlined in the college bylaws.

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translate research findings to a diverse audience. They are expected to attend faculty meetings and participate in committees at the department, college and/or university level as directed by the department head and college Dean.

Required Qualifications:

- Ph.D. in Aquaculture, Fish Health, Fisheries, Biology, Natural Resources
- Must be a current tenure track associate professor to qualify for the rank and tenure status of tenure track associate professor.
- Must be a current tenured associate professor to qualify for rank and tenure status of tenured associate professor.
- Experience competing for external funding
- Experience publishing research in refereed journals
- Experience teaching undergraduate and graduate courses
- Experience interacting with individuals through course instruction, problem solving, communication, and relationship building

Preferred Qualifications:

- Experience teaching undergraduate and graduate courses
- Experience with verbal and written communication
- Experience in statistical analysis and interpretation of data
- Experience advising undergraduate students and mentoring graduate students

**Back by popular demand- Join us for the 2nd Annual
Ethics in Wildlife Medicine Symposium
with 3 FREE CE Credits
December 6, 2024 9:00 AM – 1:00 PM PDT**



**Hosted by the US Fish and Wildlife Service
Pacific Region Fish Health Program**

Does veterinary intervention interfere with the adaptation of wild animals to a rapidly changing world?



Last year over 300 veterinarians, biologists, managers, and researchers from across the globe participated in a virtual conversation about wildlife health and the challenges of managing disease in free-ranging populations. This year we're back to investigate these complex ethical and biological questions:

- Are we interfering with natural selection and preventing the evolution of traits that would allow species to survive?
- Is it ethical to risk making wild animal populations dependent on human intervention when that intervention cannot be guaranteed over the long term?
- What are the ethical implications of not treating diseases that have a clear impact on animal health and welfare?

We have gathered a panel of speakers that will look at current examples of these ethical and biological challenges and examine the human response and its implications. The international panel of presenters includes experts on White Nose Syndrome, disease threats to California condors and Hawaiian monk seals, Chronic Wasting Disease, wildlife rehabilitation, and more!

**To register for this free symposium [Click Here](#)
For more information contact: WildlifeSymposium@fws.gov**

Veterinary CE credit approval pending