



Fish Health Section



FHS NEWS – October 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 member: Mustafa Kemal Meydan!

FHS Members at the American Association of Fish Veterinarians

American Association of Fish Veterinarians (AAFV fishvets.org) Seattle Conference, presented by AAFV's 2024 President, Dr. Katharine "Ono" Onofryton, was held Oct 17-21st, 2024. It was sold out with 120+ registration in person and over 40 on demand/streaming registrations.

Sessions included talks about Wildlife/Aquarium, Aquaculture, Salmonids, Goldfish, Pet Fish and Veterinary Education. A special Monday Pathology half day session was presented: Case Based Presentations from the Field and the Microscope. A unique session pairing a vet and veterinary pathologist, walking through a whole case together.

Two hands-on wet labs were offered. Advanced Fish imaging by Dr. Jessie Sanders was off site at a local Koi pond, sponsored by Butterfly Network. Problem-Based Tissue Sampling at Necropsy by Dr. Sal Frasca was offered with microscopes, fresh fish and offered novel techniques.

Three fish tours were offered: Riverance, USGS Western Fisheries Research Center, and Keta Hatchery. Free admission to the Seattle Aquarium with conference badge and a Banquet Dinner with Silent Auction that funds the AAFV Vet Student scholarships was held at the aquarium.

The On Demand recording of the session will be available November 1st at fishvets.org. This program has been RACE approved for 12.5 hours of Continuing Education credit in jurisdictions that recognized RACE approval.

-Submitted by Abbey Conley, LVT



FHS members in the wild

MEETINGS, WORKSHOPS & COURSES

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

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.

Aquatic Animal Health Researcher

IBSS Corp.

Manchester, WA

Link:

<https://www1.jobdiva.com/portal/?a=4ajdnwk8evzh26uk94l694tiat35w109ccfhjqx10ho9ba3cabmpvmaigtg1odwq&compid=0#/jobs/28246264?jobtitle=Aquatic+Animal+Health+Researcher>

This is an open funded position, and it is a lab manager/bench researcher combination. This work is ongoing with disease challenge work in sablefish.

It's a great opportunity for the right person and has potential for federal conversion for someone looking to break into the federal space.

Within the NOAA NWFSC, the Environmental Fisheries and Sciences Division focuses on science to support recovery of ESA-listed salmon and steelhead stocks; development of sustainable marine

aquaculture for both finfish and shellfish; monitoring and forecasting harmful algal blooms that impact marine mammals, fisheries, and fishing communities; monitoring environmental contaminants and understanding their impacts to protected resources and fisheries; and reform of salmon and steelhead hatcheries to support commercial harvest and species recovery.

The EFS Division conducts research in the areas of aquatic animal health and disease to assess the impact of diseases on both important cultured and wild species. These areas of research are important to the Center's research programs with finfish and shellfish aquaculture and also assist in characterizing disease interactions between and among both wild and cultured species.

Disease of aquatic species can severely impact the health of both cultured and wild aquatic species at various life stages. Understanding disease dynamics requires knowledge of the epidemiological triad that consists of the host (fish/shellfish), the environment of the host and the disease-causing pathogen that the host may contact. Aquatic animal health management requires knowledge of host immunology, molecular and microbiology, and how the environment interacts with pathogens and hosts to influence disease outbreaks.

This position is ideal for a recent graduate or post doc to transition into the federal research space, Work is on-site, and not remote.

Contact Forest O'Neill to discuss this opportunity at forest.oneill@ibsscorp.com.

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 Hinners brent.a.hinners@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.

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.

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