

# Fish Health Section



## **FHS NEWS – June 2022**

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

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

**Fish Health Section Twitter feed:** @AFSFishHealth

## **AFS-FHS Call for Nominations – 2<sup>nd</sup> Call**

Are you looking to be more involved in your professional community? Those that volunteer their time to serve on FHS committees gain valuable experience contributing to the greater fish health community, all while fostering new connections and expanding their involvement!

The Nominating and Balloting Committee is seeking nominees for the following position:

- Technical Standards Committee (3 year term)

More information on these positions can be found on the FHS website.

<https://units.fisheries.org/fhs/about/by-laws/>

All nominees must be Fish Health Section members in good standing. Nominees for the Professional Standards Committee must be a Certified Fish Health Inspector, a Certified Fish Pathologist, or a Doctor of Veterinary Medicine.

The nomination period has been extended to recruit nominees for this position. Please send all nominations to Jayde Ferguson, [jayde.ferguson@alaska.gov](mailto:jayde.ferguson@alaska.gov)

Don't miss out on this chance to serve our important fish health organization and contribute to fish disease diagnostics!

## **People of the Fish Health Section: Commemorating 50 years**

Dear Fish Health Section members,

I am pleased to feature another one of our members this month. With only two more newsletters left during my presidential tenure, I continue to invite nominations for people to be featured. I want to present a representative sample of the many roles of our membership. What types of members have I missed?

Submitted by Gary Marty, FHS President (Gary.Marty@gov.bc.ca)

Hi, my name is **Meg McEachran**. I joined the Fish Health Section when I started my PhD in 2017 and became interested in the intersections of fish health, invasive species, and human dimensions of wildlife management. I currently work as a postdoctoral researcher with the USGS and the University of Massachusetts, where I employ structured decision making and risk analysis to support managers making complex decisions in fisheries and wildlife management. I joined the FHS because I am always interested in learning more about the many diseases that impact the fish we love, and I enjoy participating in Section activities because it helps me connect to fish health professionals across the country. A highlight of my career thus far has been using interdisciplinary methods to understand the behaviors that facilitate disease spread in live baitfish. In collaboration with **Nicholas Phelps**, I partnered with social scientists and human dimensions scholars to understand the motivations behind illegal baitfish release among Minnesota anglers and how release could be spreading infectious diseases and invasive species. I'm also working with baitfish retailers to identify areas where we can work together to reduce the risk of biotic invasions via this pathway.



### **QA/QC Committee Update**

QA/QC Committee has changed the deadline for Tier 1 and Tier 2 applications to September 1 for current and future applications. The hope is this adjustment allows most applicants to work through the busiest part of their field seasons and still have time to address applications. Please contact Wade Cavender [wadecavender@utah.gov](mailto:wadecavender@utah.gov) for more information.

### **Call for Content**

Do you have a puzzling diagnostic case? Or do you have a new diagnostic finding that might interest others? How about newly published research? I am starting a new feature to highlight Fish Health Section Members' current conundrums and accomplishments. Think about what you could submit and contact me at [stacy.a.strickland@odfw.oregon.gov](mailto:stacy.a.strickland@odfw.oregon.gov) with your ideas. Limit to be around 1 page including graphs/pictures. Especially during these virtual meeting and conference times, let's share our work and keep our peers up-to-date on what's happening in the world of fish health!

Thanks in advance for your submissions!

Stacy Strickland, AFS-FHS Newsletter Editor

### **MEETINGS, WORKSHOPS AND COURSES**

#### **28<sup>th</sup> Annual Aquaculture Drug Approval Coordination Workshop**

Bozeman, MT

July 25-28<sup>th</sup>, 2022

#### **Registration for the 28<sup>th</sup> Annual Aquaculture Drug Approval Coordination Workshop is now OPEN!**

Hosted by the USFWS AADAP Program, the 28th Annual Aquaculture Drug Approval Coordination Workshop will take place in Bozeman, MT from July 25th- 28th, 2022. For those that are unable to join us in-person this year, we are providing the option to tune in to the main portion of the Workshop remotely. This will be a non-interactive option, offered free of charge, and will not include access to

side meetings or networking/team building events. Topics to be discussed include aquaculture drug approval research and the progress of associated efforts. For more information including a tentative Workshop schedule, lodging and registration options, and deadlines for potential Workshop presenters please visit our [Workshop webpage](#).

### **2022 Health and Colony Management of Laboratory Fish (short course)**

September 18-23, 2022

MDI Biological Laboratory

Bar Harbor, Maine

<https://mdibl.org/course/health-and-colony-management-of-laboratory-fish-2022/>

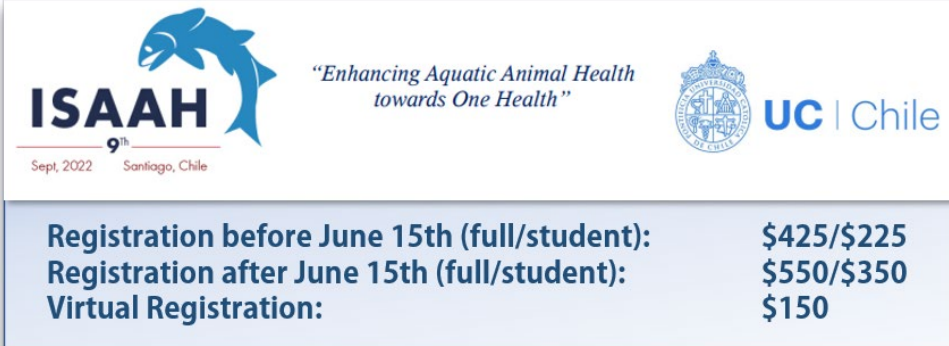
See attached .pdf for more information.

### **9<sup>th</sup> International Symposium on Aquatic Animal Health (ISAAH)**

Santiago, Chile

September 5-8, 2022

For those unable to attend in-person, there is also a virtual option to attend and present (see below).



The banner features the ISAAH logo on the left, which includes a blue fish silhouette and the text "ISAAH 9<sup>th</sup> Sept, 2022 Santiago, Chile". To the right of the logo is the slogan "Enhancing Aquatic Animal Health towards One Health". Further right is the logo of the University of Chile (UC | Chile).

<b>Registration before June 15th (full/student):</b>	<b>\$425/\$225</b>
<b>Registration after June 15th (full/student):</b>	<b>\$550/\$350</b>
<b>Virtual Registration:</b>	<b>\$150</b>

The following topics have already been submitted for consideration:

WAVMA/AAFV (Continuing Education Opportunity) Parasite Life Cycles

Zebrafish/Lab Animal Models Modeling in Aquatic Animal Health

Genomic Applications in Fish Health Emerging Diseases

Immune modulation in Fish Health Management Myxozoa

Microbiomes: Applications in Fish Health Climate Change: Impacts on Fish Health

Polymicrobial Infections Toxic Algae

Food Security

We look forward to hearing from you and hope to see you in Santiago!

#### **The Organizing Committee**

Fernando Mardones, School of Veterinary Medicine, Pontifical Catholic University, Chile

Marilia Salgado Caxito, School of Veterinary Medicine, São Paulo State University, Brazil

Romina Ramos Ríos, School of Veterinary Medicine, Pontifical Catholic University, Chile

Francisca Córdova Bührle, School of Veterinary Medicine, Pontifical Catholic University, Chile

Natalia Zimin-Veselkoff, School of Veterinary Medicine, Pontifical Catholic University, Chile

Esteban Soto, School of Veterinary Medicine, UC Davis, USA

Matt Griffin, College of Veterinary Medicine, Mississippi State University, USA.

## **JOBS/GRADUATE ASSISTANTSHIPS**

### **Aquatic Animal Health Post-doc**

**UC Davis School of Veterinary Medicine**

Davis, CA

Closes July 1, 2022

A post-doctoral research scholar position is available at the University of California at Davis, Aquatic Animal Health Laboratory based at the UC Davis School of Veterinary Medicine.

The successful candidate will have access to state-of-the-art facilities that investigates fish health focusing on infectious diseases. Self-motivated, scholars that demonstrate passion for research and a comprehensive working knowledge of common in vivo and in vitro laboratory techniques in the field of fish virology, fish immunology and fish bacteriology are encouraged to apply. A PhD in a relevant field and a strong publication record is required. Fluency in English is essential.

Successful candidates will benefit from a dynamic and highly collaborative environment and the opportunity to interact with the extended scientific community at UC Davis, which ranks among the top 10 public research universities in the US, and will be encouraged to present their research at national and international meetings.

See attached .pdf for more information.

### **Microbiologist 1 (Microbiologist)**

**Oregon Department of Fish and Wildlife**

Corvallis, OR

Closes July 6, 2022

Due to the specialized nature of this work, we are going to leave this recruitment open until filled with the first review of applications beginning at 8AM on July 6, 2022. Please note, this recruitment may close any time after that first review date.

**The link above applies to Internal Applicants (excluding non-state of Oregon employees). Temps can now apply using the internal link in Workday. Click on the above link to view and apply for this position through your Workday account. Please review the following job aide for more information on how to [search for and apply to openings](#).**

External applicants apply at: [Microbiologist 1 \(Microbiologist\)](#)

This position requires a Criminal History Background Check, and use of a SPOTS card.

### **Laboratory Manager – Aquatic Health Section**

**WSU Washington Animal Disease Diagnostic Laboratory (WADDL)**

Pullman, WA

The Washington Animal Disease Diagnostic Laboratory (WADDL) within the Washington State University (WSU) College of Veterinary Medicine is offering an Aquatic Health Laboratory Manager position. This unique position is fully emersed in an American Association of Veterinary Laboratory Diagnosticians (AAVLD) accredited veterinary laboratory and supervises critical aquatic diagnostic

and regulatory testing for both aquaculture (primarily salmon/ trout) producers and wild fish natural resource agencies throughout the Pacific Northwest and western United States. The laboratory manager is a key team member in an Aquatic Health Core that includes the Aquatic Health Section composed of 8.5 staff FTE (microbiologists and one laboratory technician) overseen by the position, three American College of Veterinary Pathologists (ACVP) boarded veterinarian pathologists focused on aquatic animal necropsy and histopathology, and faculty and staff within the WADDL bacteriology/ antimicrobial susceptibility testing and molecular diagnostics/ whole genome sequencing sections.

See attached .pdf for more information

### **Zebrafish Related Job Announcements**

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

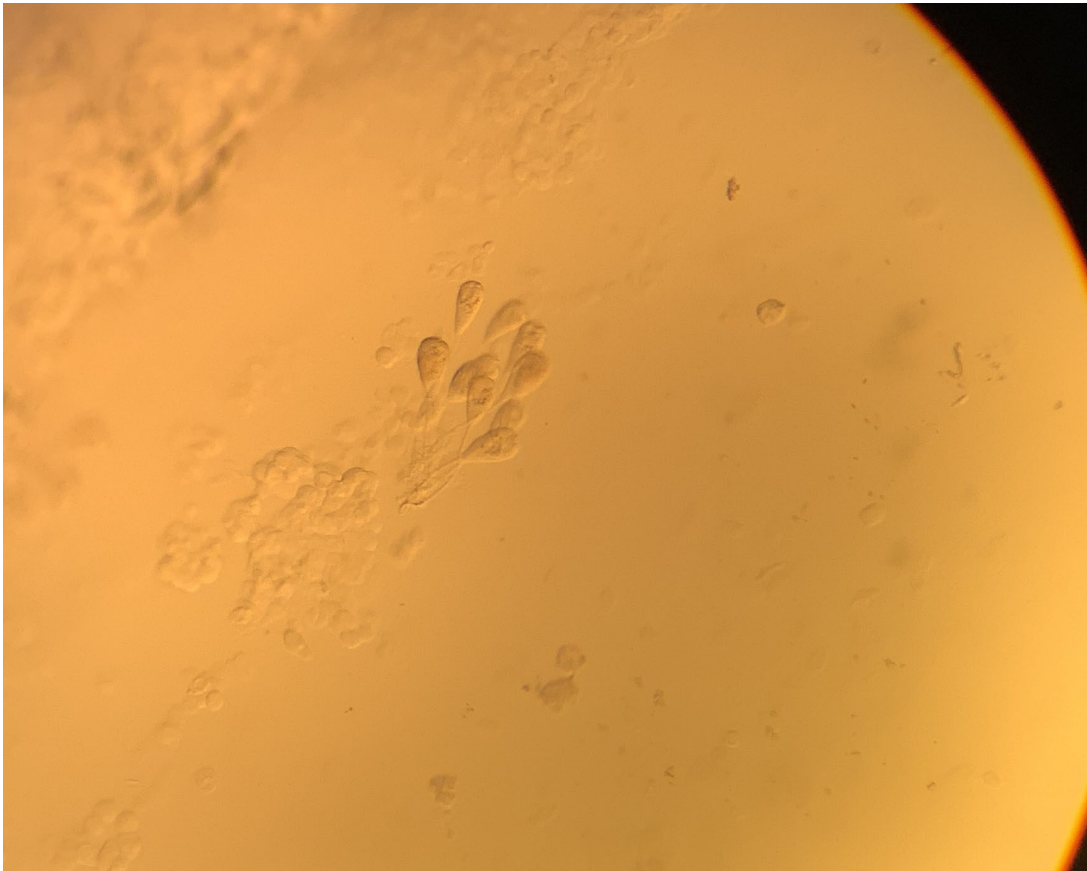
## **RESOURCES/NEWS**

**Aquatic Animal Drug Approval Partnership (AADAP) Updates are now available online (new link):** <https://www.fws.gov/library/collections/aquatic-animal-drug-approval-partnership-update>

### **AFS Job Board changes**

Check out the new AFS [Career Center](#) with new and improved features for both job seekers and employers. Job hunters now benefit from improved search functions and email alerts. While employers can peruse candidate applications and submit jobs more quickly and easily through an online submission form with a credit card payment system. Individual AFS members can still advertise for assistants and internship positions at no charge. See the AFS member employer [pricing options](#).

### **Editor's Random Pics**



Scroll down for photo caption

Bouquet of *Epistylis* spp. (at 100x and cropped) on a rainbow trout at Fall River Hatchery, Oregon, June 2022.

**Laboratory Manager:  
Aquatic Health Section  
Washington Animal Disease Diagnostic Laboratory (WADDL)**

**Title:** Aquatic Health Laboratory Manager

**Location:** The position is located on the Pullman Campus of Washington State University

**Appointment:** The appointment is permanent, 12-month, Administrative Professional (AP)

**FTE:** 1.0 Full-time equivalency

**Salary:** Commensurate with training and experience

**Position Available:** August 1, 2022

The Washington Animal Disease Diagnostic Laboratory (WADDL) within the Washington State University (WSU) College of Veterinary Medicine is offering an Aquatic Health Laboratory Manager position. This unique position is fully emersed in an American Association of Veterinary Laboratory Diagnosticians (AAVLD) accredited veterinary laboratory and supervises critical aquatic diagnostic and regulatory testing for both aquaculture (primarily salmon/ trout) producers and wild fish natural resource agencies throughout the Pacific Northwest and western United States. The laboratory manager is a key team member in an Aquatic Health Core that includes the Aquatic Health Section composed of 8.5 staff FTE (microbiologists and one laboratory technician) overseen by the position, three American College of Veterinary Pathologists (ACVP) boarded veterinarian pathologists focused on aquatic animal necropsy and histopathology, and faculty and staff within the WADDL bacteriology/ antimicrobial susceptibility testing and molecular diagnostics/ whole genome sequencing sections.

The primary responsibility of the manager is oversight of the Aquatic Health Section operations including scheduling and organizing regulatory and diagnostic sample submission and testing, staffing, laboratory procedures, budget management, quality assurance and short and long-term planning in close collaboration of the Aquatic Health Section head. The Aquatic Health Core is client focused, and the laboratory manager is expected to interact and support producers, veterinarians, and state, federal, and tribal regulatory officials regarding interstate and international movement of fish or fish gametes and the reduction of disease risk in production systems.

Growth opportunities for this position include expansion of the WADDL Aquatic Health Section testing to support aquaculture involving other freshwater and marine fish and non-fish species, food safety testing, and enhancing the understanding of pathogen transmission at the interface of wild aquatic populations and aquatic production facilities. The successful applicant is expected to have a strong background in fish health and diagnostic assays with an understanding of laboratory quality assurance.

WADDL is a fully accredited (AAVLD), full service veterinary diagnostic laboratory within College of Veterinary Medicine at Washington State University, Pullman, WA. Divisions of the laboratory include aquatic health, bacteriology, histopathology (including immunohistochemistry), molecular diagnostics, necropsy, parasitology, serology, toxicology and mammalian virology. The Aquatic Health Core performs over 44,000 assays per year including viral culture, bacteriology, ELISA, PCR testing, whole genome sequencing and necropsy/ histopathology.

Learn more about WADDL at: [WADDL Home \(wsu.edu\)](http://WADDL Home (wsu.edu)) and you can watch a video about the new WADDL laboratory at: [Introducing the new WADDL - YouTube](http://Introducing the new WADDL - YouTube)

**Minimum Qualifications:** Bachelor's degree in an appropriate related scientific discipline and four (4) years of progressively responsible professional experience involving fish health which has included at least two (2) years of supervisory experience or equivalent education and experience. Certification as an American Fisheries Society, Fish Health Inspector would be expected within 6 months of employment.

**Preferred Qualifications:** Advanced degree in microbiological/ biological sciences such as a DVM and/or PhD. Experience in an aquatic diagnostic laboratory. Familiarity with laboratory procedures and QA/QC required for official health inspection of aquatic animals. Interest in continuing education in the field of aquatic animal health and diagnostic assay development.

To apply please visit: [WSU Jobs \(myworkdayjobs.com\)](http://WSU Jobs (myworkdayjobs.com))

For more information please contact:

Kevin Snekvik, DVM, PhD, Diplomate ACVP  
Director of Operations, Washington Animal Disease Diagnostic Laboratory  
Professor, Department of Veterinary Microbiology and Pathology  
e-mail - [ksnek@wsu.edu](mailto:ksnek@wsu.edu)  
Phone - (509) 335-6331





ONE SHIELDS AVENUE  
DAVIS, CALIFORNIA 95616-8739

## Aquatic Animal Health Postdoctoral Research Scholar at UC Davis

**Location:** UC Davis School of Veterinary Medicine

### Description:

A post-doctoral research scholar position is available at the University of California at Davis, Aquatic Animal Health Laboratory based at the UC Davis School of Veterinary Medicine.

The successful candidate will have access to state-of-the-art facilities that investigates fish health focusing on infectious diseases. Self-motivated, scholars that demonstrate passion for research and a comprehensive working knowledge of common *in vivo* and *in vitro* laboratory techniques in the field of fish virology, fish immunology and fish bacteriology are encouraged to apply. A PhD in a relevant field and a strong publication record is required. Fluency in English is essential.

Successful candidates will benefit from a dynamic and highly collaborative environment and the opportunity to interact with the extended scientific community at UC Davis, which ranks among the top 10 public research universities in the US, and will be encouraged to present their research at national and international meetings.

### Qualifications:

Applicants must be capable of designing and conducting experiments independently, writing manuscripts and fellowship grant applications, and presenting their research at scientific meetings. The ideal applicant should be highly motivated, be able to interact with other scientists and have expertise in infectious diseases and immunology. Experience in cell culture, molecular biology, recombinant protein expression, proteomics, and gene expression are highly desirable. Prior work should demonstrate a comprehensive working knowledge of common laboratory techniques. A PhD in a relevant field is required. Position level and salary are commensurate with experience and qualifications.

### SALARY:

Salary and benefits are consistent with UC Davis policy and are commensurate with applicant experience. As reference, salary for a 1st year Postdoc is \$55,632 with full benefits.

### How To Apply:

To receive fullest consideration, applications must be received by July 1, 2022. Candidates should submit the following items as a single PDF directly to Dr. Soto at [sotomartinez@ucdavis.edu](mailto:sotomartinez@ucdavis.edu)

1. NIH format Biosketch  
(fellowship version: <https://grants.nih.gov/grants/forms/biosketch.htm>)
2. Concise statement of past and future research interests (1pg)
3. At least two letters of support (or names and contact information for requesting the letters, one reference should be from the Ph.D. advisor)