



Fish Health Section



FHS NEWS – July 2023

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

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

Fish Health Section Twitter feed: @AFSFishHealth

Would you like your recent open-access publication featured on our Twitter feed? We would like to share one publication per week. Just fill out the form at: <https://forms.gle/NWVXEFOGcdYME6gh8>.

Membership notice: Starting in March 2023, only paid FHS members will receive newsletters and communications from the section. Thank you to all the renewing members! You are what makes this section successful! Make sure to add fhs@afsmembers.simplelists.com to your safe list to continue to receive communications from the section!

AFS-FHS ELECTION – RESULTS

Vice President: Jesse Trushenski

Policy and Position Development Committee: Jayde Fergeson

Technical Standards Committee: Nilima Renukdas

Nominating and Balloting Committee: Alison Aceves Johnson

Professional Standards Committee: Megan Shavaliar

Thank you for voting and thank you to the candidates for volunteering for the section!!
Nominating and Balloting Committee

JOBS/GRADUATE ASSISTANTSHIPS

Fish Biologist

USFWS

Bozeman, MT

Closes August 2, 2023

AADAP is recruiting to refill our vacant GS-12 position within our Research Program, opening for applications on July 20! Please see below for information about this hiring announcement and please forward to anyone you think may be interested in applying:

Position: Fish Biologist

Open & closing dates: Thursday, July 20, 2023 to Wednesday, August 2, 2023

Pay plan, Series & Grade: GS- 12
Appointment Type: Permanent
Location: 1 vacancy – Bozeman, Montana

Announcement number for STEM Direct Hire: R9-23-12056057-LAS-SDHA
Link for DE Posting: <https://www.usajobs.gov/job/738049500>

Supervisory Interdisciplinary Researcher

USDA-ARS

Harry K. Dupree Stuttgart National Aquaculture Research Center
Stuttgart, AR
Closes August 17, 2023

This position is for a Supervisory Interdisciplinary Research Physiologist, Animal Nutritionist, Research Fishery Biologist, Geneticist at the Harry K. Dupree Stuttgart National Aquaculture Research Center (HKD-SNARC) in Stuttgart, Arkansas.

In this position, you will provide leadership for, and coordinate the interdisciplinary research of the HKD-SNARC; which has the mission to support and enhance U.S. aquaculture production through research and technology transfer.

[USAJOBS - Job Announcement](#)

Post-doc position

University of Vermont

Application review begins August 15, 2023

The USGS Vermont Cooperative Fish and Wildlife Research unit is seeking a highly motivated applicant for a postdoctoral position in the Rubenstein School of Environment and Natural Resources (RSENR) at the University of Vermont. Candidates with interests in wildlife & fisheries management, fish diseases, bioinformatics, conservation genetics, and quantitative ecology are especially encouraged to apply.

The postdoctoral scholar will use bioinformatics to ascertain if there are genes that make some Brown Bullhead (*Ameiurus nebulosus*) more susceptible to developing melanomas and if these genes are activated through interactions with other environmental stressors.

See attached .pdf for more information.

Post-doc position

Bigelow Laboratory for Ocean Sciences

East Boothbay, ME

We are hiring a postdoc to engage in a dynamic team of scientists and resource managers exploring the impact of warming ocean temperatures on epizootic shell disease in American lobster in the Gulf of Maine. The postdoc will be doing a combination of modeling and lab experiments to explore this topic. Funding is available for 2 years, with the second year of funding contingent on a successful first year. Start date is listed as October 2, 2023, but some flexibility is possible.

<https://bigelow.freshteam.com/jobs/bqM81KSvLI4t/postdoctoral-scientist-climate-change-and-epizootic-shell-disease-in-american-lobster>

Position Overview

Bigelow Laboratory for Ocean Sciences is seeking a Postdoctoral Scientist for a one-year term beginning in October 2023 to work on two different projects related to understanding the changing risk of epizootic shell disease in American lobster in the Gulf of Maine. First, they will be conducting an experiment examining the effects of temperature on establishment, progression and mortality associated with ESD in lobster from a range of locations. Secondly, they will develop an individual-based mathematical model of epizootic shell disease in adult lobster in response to changing seawater temperatures and shifting molting phenologies. Both projects will be led by the postdoc, but will involve working on a team consisting of the lead PI (Maya Groner, Bigelow), a second postdoc doing a hindcast analysis of ESD in lobster (Reyn Yoshioka, Bigelow), an oceanographer (Nick Record, Bigelow), and resource managers from the Maine Department of Natural Resources (Kathleen Reardon and Heather Glon), and the state of Massachusetts Division of Marine Fisheries (Tracy Pugh) Towards the end of the position, the postdoc will travel around the state of Maine to present findings to lobstermen at zone council meetings.

The position is posted for one year with the possibility of extension. Salary range for this position is \$52,650-60,450. Some supervision of research undergraduates and/or technicians assisting with lab experiments may be required.

Requirements

- PhD in disease ecology, veterinary sciences or similar
- Experience using and integrating diverse data using R or similar
- Experience or strong interest in developing mathematical models of disease (e.g., SIR models)
- Experience working with and maintaining marine invertebrates
- Ability to design and execute experiments in a seawater lab
- Track record demonstrating a commitment to publishing research finding
- Strong written and oral communication skills with significant motivation to publish in the peer-reviewed literature
- Strong interest in team-based interdisciplinary science, with the willingness and ability to work independently when required

Apply

Please submit a cover letter, CV, and three professional references using our online application portal. Screening of candidates will begin after August 15, 2023 with the expectation that the successful candidate will be available in to start October 2, 2023. Some flexibility with start date is available. The search will continue until the position is filled.

Individuals seeking more information about this position or needing to request an accommodation, please contact careers@bigelow.org or (207) 315-2567, ext. 107.

About Midcoast Maine

Bigelow Laboratory's state-of-the-art oceanfront campus in East Boothbay is located in scenic Midcoast Maine, perfectly situated to provide access to the very best Maine has to offer. Within a reasonable commuting distance of most major Maine cities, this mid-coast peninsula offers the perfect balance between small town coastal charm and urban accessibility. Our peninsula is home to fishermen and sea captains, marine biologists, nature lovers, botanists and gardeners, artists, merchants, and entrepreneurs. Many non-profit organizations call this region home and work hard to further their missions in support of the arts, seamanship and marine education, conservation, historic preservation, and more.

Working at Bigelow Laboratory

Bigelow Laboratory is an inclusive community of scientists from around the world that welcomes and supports diverse opinions and cultures. Bigelow Laboratory for Ocean Sciences strives to maintain an

environment that allows our employees to flourish through respectful, inclusive, and equitable treatment of others. We believe there is power in embracing the full diversity of humanity to advance science and are committed to supporting each other as individuals worthy of respect.

Bigelow Laboratory for Ocean Sciences requires that all employees be fully vaccinated against COVID-19. Being fully vaccinated means that an individual is at least two weeks past their final dose of an authorized COVID-19 vaccine regimen. As a condition of employment, newly hired employees will be required to provide proof of their COVID-19 vaccination.

The postdoctoral scientists at Bigelow Laboratory have access to professional training programs and opportunities for undergraduate student mentoring and teaching. A competitive compensation package is offered with a salary range starting at \$52,650 as well as employee, family, and domestic partner health insurance; a 403(b) retirement contribution; paid time off including parental leave; as well as a working environment that supports continuous professional development and engagement. Bigelow Laboratory is an Equal Opportunity/Affirmative Action Employer.

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>

Postdoctoral Position University of Vermont – Investigating the Causes of Brown Bullhead Melanomas with Bioinformatics

The USGS Vermont Cooperative Fish and Wildlife Research unit is seeking a highly motivated applicant for a postdoctoral position in the Rubenstein School of Environment and Natural Resources (RSENr) at the University of Vermont. Candidates with interests in wildlife & fisheries management, fish diseases, bioinformatics, conservation genetics, and quantitative ecology are especially encouraged to apply.

The postdoctoral scholar will use bioinformatics to ascertain if there are genes that make some Brown Bullhead (*Ameiurus nebulosus*) more susceptible to developing melanomas and if these genes are activated through interactions with other environmental stressors. In 2012, anglers in Lake Memphremagog started reporting an abnormal “black skin pigmentation” on Brown Bullhead. Electrofishing sampling indicated that approximately 30% of individuals exhibited these lesions, which were later diagnosed as melanomas. Hypotheses regarding the risk factors associated with these melanomas include exposure to environmental contaminants, ultraviolet light damage, genetics, viruses, and interactions of these stressors. During the spring of 2023 we collected genetic samples from Brown Bullhead with, and without, lesions throughout Lake Memphremagog. Using these samples, our primary objective is to determine if there are any genes that are more associated with brown bullhead that exhibit melanomas and if there is any evidence that the function of these genes can be affected by their environment. The primary responsibilities of the postdoctoral scholar will include conducting the bioinformatic analyses, coordinating communication between research collaborators, and contributing to the dissemination of results through manuscripts, presentations, and reports.

Applicants require a Ph.D. degree in biology, ecology, genetics, fisheries, or a related field and a record of publishing within their field. The position has an anticipated start date of September 15, 2023, although this is negotiable. This is a one-year appointment with the potential for an extension based on satisfactory performance.

The Henderson Lab, and the Rubenstein School of Environment and Natural Resources, are deeply committed to promoting diversity, equity, and inclusion in our field, and especially welcome applicants who contribute to the variety of backgrounds, opinions, and approaches within the lab. We recognize that diversity comes in many forms (e.g., income, race, ethnicity, religion, gender, gender identity, LGBTQIA+, disabilities) and we are dedicated to creating a welcoming and supportive environment for everyone. To apply, please submit a cover letter, CV, and transcripts to Dr. Mark Henderson (mark.henderson@uvm.edu). Review of applications will begin on August 15th and continue until the position is filled.