

Postdoctoral Research on Fish Conservation in the School of Veterinary Medicine and Department of Wildlife, Fish, and Conservation and – University of California, Davis

Application review begin date: September 21, 2018

Start dates are flexible, but expected as early as November 1, 2018.

SUMMARY:

We are seeking highly motivated, organized, and dynamic Postdoctoral Researchers with experience in Fish Conservation Physiology to join the labs of Drs. Richard Connon and Nann Fangué in the School of Veterinary Medicine and the Department of Wildlife, Fish, and Conservation Biology at the University of California, Davis (UCD). Initial appointments will be for one year with a possibility for extension to two or three years.

Research in our labs encompasses physiology, genomics, toxicology, behavior, and reproductive impairment of fishes. The Postdoctoral Researchers will join a collaborative and integrative team composed of faculty, staff, graduate and undergraduate students studying fish physiology, embryo and larval development, and behavior, incorporating a vast set of tools to understand mechanisms behind organismal resilience to environmental change and contaminant exposures, with the ultimate goal of improving conservation and management activities. Present research is aimed at investigating physiological ecology of juvenile threatened, endangered and invasive California fishes, and their responses to anthropogenic stressors.

The primary responsibilities of the Postdoctoral Researchers will be to oversee and perform experiments with endangered and invasive fish species including Delta and Longfin smelt, Inland silversides, salmon and sturgeon. Researchers will engage in experiments ranging from evaluating how multiple anthropogenic factors such as temperature, salinity and contaminant exposures, singly and in combination, impact embryo and larval development to the determination of optimal environmental conditions for rearing and spawning. These projects are funded by state and federal agencies (e.g. California Department of Fish and Wildlife, US Fish and Wildlife Service), with which we have established high level collaborations. Data gained from this research will be used to inform managers of potential risks associated with exposure.

QUALIFICATIONS:

- A Ph.D. in Ecology, Conservation Physiology, Animal Biology, Environmental Toxicology or a closely related field,
- Strong interpersonal and communication skills and the ability to work both independently and collaboratively with researchers and students from many different scientific backgrounds, including agency partners and stakeholders,
- Experience designing, planning, and conducting experimental procedures, including the ability to meet project goals in a timely manner, and follow through on project deliverables,
- The ability to communicate research findings both at professional meetings and in high quality peer-reviewed journals,
- Strong statistical and computer skills including demonstrated proficiency with R and/or or statistical approaches/software programs,
- Excellent technical, analytical, organizational, and problem-solving skills,
- Strong attention to detail, and meticulous work style, as evidenced by previous research,
- Willingness to conduct research as dictated by the life cycles of the fish being studied – this means working through holidays as needed.

The following qualifications are desired:

- Previous experience working with fishes, in connection with aquaculture or a research facility.
- Previous experience managing, mentoring, or otherwise overseeing staff, graduate or undergraduate students.
- A demonstrated capability to think critically about the practical application of research outcomes.
- A willingness to develop a strong scientific career

SALARY:

Salary and benefits are consistent with UC Davis policy and applicant experience.

TO APPLY:

Please apply by sending your 1) CV inclusive of publications, awards, and both laboratory and field experience, and 2) a cover letter discussing your key experimental qualifications, research interests and motivations for this position to reconnon@ucdavis.edu, with the subject line: “*Post-Doc Threatened Species*” so that it can be easily recognized.

Please also specifically comment on your interest and experience engaging agency partners and stakeholders given the necessity to interface frequently with our partners at CDFW, US FWS, NOAA, and numerous other agencies. Applications will begin review on September 21, 2018. Start dates are expected to be as early as November 1.

For more information about the ongoing research in Dr. Connon and Fangué’s labs, visit:

<https://connonlab.wordpress.com/> and <http://fanguelab.ucdavis.edu/>