A postdoctoral position is available to study the **genetic architecture of biomechanical traits in fishes** in the Higham Lab (http://www.biomechanics.ucr.edu) at the University of California, Riverside. This project is in collaboration with the Rogers Lab (http://people.ucalgary.ca/~srogers/) at the University of Calgary.

The NSF-funded postdoc will work as part of an interdisciplinary team, studying the genetic architecture underlying biomechanical (feeding and locomotion) traits in three-spined stickleback. The postdoc will be required to travel to the Bamfield Marine Sciences Centre, and a significant amount of time will be spent there each year. The postdoc will collect stickleback in marine and freshwater habitats on Vancouver Island, perform crosses, obtain and analyze high-speed video, prepare DNA for sequencing, and perform genetic/QTL analyses. Collaborative trips to the University of Calgary are expected.

The candidate should have a PhD (or be nearing the completion of their PhD), and have experience in aquatic biomechanics and/or genetics (QTL and sequencing). If the candidate has experience in only one of these areas, she/he must have a genuine interest in the other (outlined in application). Training will be provided. For biomechanics, the candidate should have experience with programming languages (e.g. Matlab and R) and high-speed 3D videography. Top candidates will have a strong track record of research productivity and interest in collaborative science.

Ideally, the start date will be **October 1, 2018**, but later dates will be considered. Application Procedures: Interested applicants should submit a single PDF containing 1) a cover letter summarizing research interests, professional experience, and career goals, 2) a CV including a complete list of publications, and 3) names and contact information of 3 references. Submit application materials directly to Dr. Tim Higham by email (thigham@ucr.edu). Review of applications will begin immediately and continue until the position is filled. The position will initially be for 1 year, with an option for a second year depending on progress.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. The University of California is an Equal Opportunity / Affirmative Action Employer with a strong institutional commitment to the achievement of excellence and diversity. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.

The Bamfield Marine Sciences Centre (www.bamfieldmsc.com) is a world-class teaching and research facility located in traditional territories of the Huu-ay-aht First Nations, on the outer west coast of Vancouver Island, Canada. Located in the heart of Canada's Pacific Rim National Park, the town of Bamfield has a small but exceptionally vibrant community. The town is also the northern terminus of an iconic Canadian Trail, the West Coast Trail. The stunning surroundings of the rain forest, deserted beaches, uninhabited islands, rugged coastline, and diving inspire creativity and discovery.