



**Department of Biology
Hopkins Marine Station
STANFORD UNIVERSITY**

1-3 Year Postdoctoral Position in Fish Ram Filter Feeding Biomechanics

The Goldbogen Lab at the Hopkins Marine Station of Stanford University invites applications for a post-doctoral position in fish biomechanics and energetics. The position is open immediately, but the start date is flexible. The duration of the fellowship will be at least 1 year with an opportunity to extend to up to 3 years with demonstrated performance. In addition to broad interests in comparative physiology, the lab seeks candidates with a strong background in mathematics, physics, engineering, and computer science. Candidates with a strong background in laboratory techniques related to the functional morphology (advanced bio-imaging), hydrodynamics (DPIV), and/or energetics (respirometry) of fish are strongly encouraged to apply.

The postdoc will work on the biomechanics and energetics of ram filter feeding and ram respiration in fish, with an emphasis on locally available forage fish species (anchovies and sardines) that represent key components of the food web in the Monterey Bay ecosystem. The project is focused on the scaling and trade-offs associated with a potentially high-drag, but high-intake ram filter-feeding/respiration strategy that is coupled to locomotion. The successful candidate will also explore the scale and prey density dependence of particulate versus filter feeding strategies and their energetic and ecological consequences. Candidates interested in the position should email Jeremy Goldbogen and submit a CV including a list of publications and contact information for three references.

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