

## **Postdoctoral Researcher - Ecological Genomics & Bioinformatics University of New Hampshire**

A postdoctoral position in Ecological Genomics & Bioinformatics is available at the University of New Hampshire, as part of a large, collaborative NSF-funded EPSCoR Track-2FEC research and training program in the genomic ecology of coastal organisms and genome-phenome relationships in the wild. The postdoctoral scientist will conduct assembly of genomes and transcriptomes and analysis of genomic and transcriptomic data to identify signatures of selection and the genomic architecture of adaptation in a tidal marsh bird study system.

The work will be conducted in Adrienne Kovach's lab at the University of New Hampshire, in close collaboration with Kelley Thomas of the UNH Hubbard Center for Genome Studies and Benjamin King at the University of Maine. The postdoc will also work in collaboration with a diverse team of investigators, graduate students, and undergraduate students at the Universities of New Hampshire and Maine studying the ecological genomics and eco-evolutionary feedbacks of adaptation in tidal marsh birds. Because of the highly collaborative nature of this project, there will be opportunities for the postdoc to travel between the two institutions and to gain mentorship from faculty at both institutions.

The successful candidate must have a strong background in evolutionary ecology, population genetics, genomics and bioinformatics, with preference to those with project-relevant experiences and interest (e.g., avian systems, natural populations, coastal systems, adaptation to environmental gradients). Desired computational skills include data processing in a command-line environment and programming in at least one scripting language (e.g., R, Python). Additional desired qualifications include laboratory bench skills, quantitative skills and excellent communication and writing skills. Consistent with our program scope, we are especially interested in candidates who show promise to engage intellectually across the diverse scales of genomes, phenomes, and environmental feedbacks, to advance a more integrated understanding of adaptation in nature. We are also seeking a candidate who will engage collaboratively with team members and participate in broader programmatic activities, including mentoring of junior researchers. In turn, the postdoc will receive extensive mentoring, career development training, and professional opportunities, in alignment with a personal career development plan.

Start Date: January 2019

Terms of employment: Salary of \$48,000, health insurance, and other benefits are included. The position is for an initial 2-year period, with the potential for extension if deemed appropriate. Applicants must have completed all Ph.D. degree requirements prior to the start of the appointment

Application: submit names and contact information for three references, a CV, and a 2-page statement of your research experience and interests. The statement should further address how this position would advance your career goals and describe your experiences with and vision for collaborative science, including your commitment to diversity and inclusion. To apply, send the requested materials to Dr. Adrienne Kovach at the University of New Hampshire at

akovach@unh.edu. Review of applications will begin November 1, 2018. Remote (e.g., phone or Zoom) and an on-campus interview and presentation will be required of short-listed finalists.

The University of New Hampshire and the Department of Natural Resources and the Environment are home to a vibrant community of productive researchers with a strong commitment to student success (see <http://www.unh.edu/unhtoday/2017/03/excellence-ecology> for recent accolades). Located in the town of Durham, UNH is a beautiful campus surrounded by forest and natural landscapes. Only 30 minutes from the sea and less than 2 hours from the White Mountains, outdoor and other recreational activities abound, including right on campus.

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