

Postdoctoral Associate – Evolutionary reversals in hormonal regulation of sex-biased genes

The Department of Biology at the University of Virginia invites applications for a postdoctoral Research Associate to study the evolution of sex-biased gene expression in the lab of Dr. Robert Cox.

The aims of the position will be closely associated with a new, NSF-funded project using comparative transcriptomics to explore the evolution of hormonally mediated gene expression across lizard species characterized by evolutionary reversals in sexual dimorphism. This project involves both field and lab components and is ideally suited for applicants with interests in the areas of sexual conflict, evolutionary physiology, functional genomics, and/or molecular evolution. Other opportunities for collaboration include studies of natural and sexual selection in wild populations, the quantitative genetics of sexual dimorphism, and a variety of topics at the intersection of evolution, ecology, and physiology (www.CoxLabUVA.org), as well as with other groups in the Evolution, Ecology and Behavior cluster at UVA (www.EEBvirginia.org).

The Research Associate will work closely with the PI and members of the Cox lab at the University of Virginia while collaborating with the labs of co-PIs Christian Cox (Georgia Southern University) and Henry John-Alder (Rutgers University) to receive additional training in transcriptomics, hormone assays, and other techniques. The Associate will have the opportunity to mentor graduate and undergraduate students, design and lead research in the lab and field, manage and analyze large datasets, prepare conference presentations, and manuscripts, and participate in our Evolution Education program for science teachers (www.EvolutionEd.org). The ideal candidate will have a promising record of scientific productivity, appropriate to career stage, in evolutionary biology or genetics. Preferred skills include expertise in RNA-seq, functional genomics, molecular and genome evolution, and programming and bioinformatics related to the above.

The completion of a PhD degree in Biology or a related field by the start date of the appointment is required. The ideal start date of the appointment would be between January and June 2019, but other start dates will be considered for highly qualified candidates. This is a one-year appointment that may be renewed for an additional two, one-year increments, contingent upon available funding and satisfactory performance.

To apply, visit <http://jobs.virginia.edu> and search on Posting Number 0624021. Complete a Candidate Profile online and attach the following: a cover letter summarizing your research interests, accomplishments, and professional goals; a curriculum vitae with a list of publications; and the contact information for three (3) references. Applications received by October 15, 2018 will be given full consideration. However, applications will be accepted until the position is filled.

Applicants with questions about the position and its scientific context and research goals are encouraged to contact Robert Cox at rnc3u@virginia.edu

For questions regarding the application, please contact Rich Haverstrom at rkh6j@virginia.edu

The University of Virginia is fundamentally committed to increasing the diversity of its faculty and staff. UVA is an affirmative action and equal opportunity employer. We welcome nominations of and applications from women, members of minority groups, veterans and individuals with disabilities. We also welcome others who would bring additional dimensions of diversity to the university's research and teaching mission. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences.