

The Hurlbert lab in the Department of Biology at the University of North Carolina is now accepting applications for one or two PhD positions beginning in Fall 2015. Research in the lab is currently focused along three related lines.

- 1) Empirically testing the generality of a new biodiversity framework that integrates both local and regional influences across a wide range of taxonomic groups (birds, plants, insects, fish, plankton, etc).
- 2) Developing and exploring eco-evolutionary simulation models of diversification across the latitudinal gradient, and using these models to perform stronger tests of existing biodiversity theory.
- 3) Avian macroecology using big data, exploring how environmental constraints shape patterns of distribution, diversity, and migration timing at continental to global extents.

The ideal candidate should have previous research experience, demonstrated writing ability, and some programming experience (R, Matlab, Python). Students will be supported on some combination of teaching and research assistantships.

The deadline for application materials submitted to the graduate school is December 2, 2014. Information on applying is available at <http://bio.unc.edu/graduate/eeob/apply/>. However, prospective students should contact Dr. Hurlbert (hurlbert@bio.unc.edu) well in advance of applying to discuss research interests and relevant qualifications. In your contact email, please describe your GPA, GRE scores, previous research experience, current research interests, and how those interests relate to the Hurlbert Lab.