

JOB DESCRIPTION

JOB TITLE: Post-doctoral Associate, Quantitative Modeling of Pollinator Populations
DEPARTMENT: Environmental Sciences, Policy and Management, UC-Berkeley
REPORTS TO: Professor Claire Kremen

GENERAL SUMMARY

The Department of Environmental Science, Policy, & Management at the University of California-Berkeley seeks a quantitative population or community ecologist for a two to four year post-doctoral position to work on how native plant hedgerows in intensive agricultural regions may influence the occupancy dynamics, community assembly and functional properties of pollinator communities. The post-doctoral associate will analyze existing datasets (4+ years of data over 20 sites), select new sites to expand the project, supervise the field team, and assist as needed in collection of field data on pollinator communities and habitat attributes.

The post-doc will be supervised by PI Prof. Claire Kremen. This research will elucidate how re-diversification of intensive monoculture landscapes may influence pollinator conservation and pollination function/services.

Required Knowledge and Experience:

- Significant experience conducting multi-season occupancy analysis and/or spatial capture-recapture models, or other relevant experience
- Quantitative statistics background, especially with model selection and multimodel inference using Maximum Likelihood or Bayesian estimation
- Experience managing/analyzing large datasets
- Adept at statistical programming in R and/or WinBUGS
- General background in ecology and experience conducting ecological field work

Desirable Additional Experience

- Experience in entomology or bee/pollinator biology
- Development of null models for community assembly analyses
- Geographic Information Systems, especially ArcGIS

Additional Responsibilities

- Supervision of field team and data entry/processing
- Disseminate results at scientific professional conferences and in peer-reviewed literature
- Report writing
- Grant proposal development, as needed

Salary: Salary is commensurate with experience (starting salary is \$38,496 per year). This position is eligible for benefits.

Timing and duration: The position is available beginning January, 2012 (possible earlier start date may be negotiable) and is fully-funded for four years. A two-year commitment is requested.

Location: Berkeley, CA

Please submit PDFs of a CV, a brief cover letter highlighting your relevant experience, interests and career goals, and names and contacts of 3 references by email to QEpostdoc@gmail.com no later than Oct 7, 2011. Applicants should have a recent PhD degree.

Applications may be reviewed as they are received. For further information about the project please contact Dr. Claire Kremen directly at ckremen@berkeley.edu.

The University of California is an Equal Opportunity/Affirmative Action Employer committed to excellence through diversity. Applicants should ask referees to review the UC Berkeley Statement of Confidentiality found at <http://apo.chance.berkeley.edu/evaltr.html>.