

Postdoc and Data/Informatics Positions in Global Biodiversity Science

Several positions are available associated with the [Yale Center for Biodiversity and Global Change](#), [Map of Life](#) and the [Jetz Lab](#), starting Oct-Apr 2017/18 (there is flexibility). To apply please send, in one pdf, a short cover letter, CV and contact info for three referees to michelle.duong@yale.edu. For questions or associated PhD opportunities contact walter.jetz@yale.edu. The final selection process will begin on 28 Aug 2017, but earlier applications are welcome and will be reviewed as received.

■ **Postdoc: Integrated models of biodiversity distributions and change.** We are seeking a postdoc (2-3y) addressing questions and research opportunities surrounding uncertainty-assessed models of species (co-)occurrences over time. Project work would benefit from range of carefully curated biodiversity data sources and novel remotely sensed layers from associated NASA projects. Contingent on funding, the position may address specific GEO BON use cases in support of Species Populations Essential Biodiversity Variables. We are open to a candidate's preferred taxa, regions, and questions and animal/plant and terrestrial/marine/freshwater expertise – qualifications and vision are more important than a specific system. We seek someone with as strong quantitative background and ability to traverse community- and single-species perspectives and spatial scales.

■ **Postdoc: Mountain biodiversity change.** A postdoc position (1-2y) is available to address questions surrounding spatial patterns and temporal changes in global mountain biodiversity. This position will build on the data and infrastructure collaboration of the Global Mountain Biodiversity Assessment and Map of Life (<http://www.mountainbiodiversity.org>). Targeted work aims to document the evidence base and causes behind geographical mountain biodiversity patterns and to integrate information about change and protection in support of Target 4 of Sustainable Development Goal 15. The successful candidate will have excellent spatial biodiversity modelling skills and statistical background, first-hand experience with observational field data collection, knowledge of global change scenarios and models, and a passion for mountain biodiversity.

■ **Postdoc: Global macroevolution and macroecology.** We are seeking a postdoc (2-3y) to work on questions of species and trait diversification and the evolution of niche-relevant traits in geographic space and across spatial scales. Focal taxa include vertebrates, but we are open to work on invertebrate or plant taxa. The candidate should have a strong background in phylogenetic comparative methods and rate-based diversification analyses and ideally prior experience in the assembly of phylogenies, geospatial analyses, and a solid natural history background. Familiarity with R, python, and bash is desirable, as are strong writing and verbal communication skills, a successful track-record of publications, and strong team-working skills.

■ **Spatial Biodiversity Data Architect/Manager.** Map of Life is seeking a qualified candidate to join their international team to help oversee the management (and analysis) of species occurrence information and associated metadata. The successful applicant will work with software engineers and research team to build, extend, support, and manage new databases driving biodiversity web and mobile applications. The ideal candidate will be a quick learner, self-driven, and detail oriented. We require experience in working with geospatial and biodiversity data and the PostgreSQL/PostGIS environment, and python and shell scripting skills. See also <https://mol.org/careers>.

■ **Biodiversity Web developer.** Map of Life is seeking a Front-end Web Developer to join their international team and participate in the design, development, deployment, and maintenance of mol.org web applications and the API that support them. We require familiarity with Google Cloud Platforms (BigQuery, Cloud SQL, Cloud Datastore) and hosted platforms such as Google App Engine and CARTO. We require experience in developing responsive web applications in HTML5 and CSS3 on JavaScript frameworks such as Angular and React. See also <https://mol.org/careers>.

RESEARCH ENVIRONMENT: The interdisciplinary BGC program (<http://bgc.yale.edu>) connects biodiversity scientists from across campus. Yale has a thriving and growing community of young scholars in ecology, evolution and global change science in the [EEB Department](#), the [Yale Institute for Biospheric Studies](#), the [Peabody Museum](#), and the [Yale School of Forestry and Environmental Studies](#). The town is renowned for its classic Ivy League setting, 75 miles north of New York City.