

Carl R. Woese Postdoctoral Fellowship for Team Science Investigation of Community-scale Genomics

The Genomics for Ecological Communities Theme (GECO) at the Carl R. Woese Institute for Genomic Biology (IGB) in the University of Illinois, Urbana-Champaign seeks a creative, innovative, and energetic applicant for a postdoctoral fellowship. The successful applicant will collaborate with multiple PIs and trainees on a new program of research, integrating genomic data, ecological theory, AI, and computational infrastructure. The goal of the project is to leverage genomic data gathered at the scale of ecological communities, develop a range of computational analyses using those data to understand biodiversity change on a dynamic planet, and to make these tools accessible to a broad community of researchers.

The position will offer excellent opportunities for interdisciplinary training and a vibrant work environment at the Carl R. Woese Institute for Genomic Biology (<https://www.igb.illinois.edu/>), while collaborating across multiple Colleges and Institutes at the University of Illinois. The successful applicant would be a member of the IGB fellows program, which offers a stimulating and collaborative interdisciplinary environment for conducting independent and team-based research in the field of genomic biology.

Position requirements:

Applicants must have received a Ph.D. degree within the last five years in Ecology, Genomics, Applied Mathematics, Computer Science or a related discipline, or expect to receive their PhD prior to starting the position. Applicants should have strong technical skills in one or more of the following areas: ecological theory; population genomics; computational biology; computational infrastructure. Applicants must also have strong communication skills, be detail-oriented, and be willing to actively engage with a diverse and collaborative interdisciplinary team.

Salary and benefits:

Fellowships are awarded for an initial two-year term, with the possibility of a one-year extension based on performance. IGB Fellows are appointed by the institute and work within a thematic research area under the guidance of the theme leader and other theme members. Fellows are also expected to engage in professional development activities throughout their tenure, which may include fieldwork and/or community engagement. The fellowship provides an annual salary of \$63,000 and includes a yearly research stipend of \$7,500 to support scholarly activities.

Application Process:

Questions and completed applications should be submitted by email to:

info-igb@illinois.edu. Applications should include:

- a. Curriculum Vitae, including full publication list
- b. Two-page summary of research interests. The statement should include:
 - i. Prior research experience
 - ii. Goals for the postdoctoral fellowship
 - iii. Long-term career objectives, demonstrating how this fellowship will support your professional trajectory.
- c. Interest in team science approach to research (200- 300 words):

IGB Fellows are part of a highly collaborative environment where researchers from diverse disciplines work together in shared laboratory spaces. Please describe your interest in contributing to and thriving within a team science environment. In your response, consider how collaboration, interdisciplinary research, and shared resources align with your research goals and professional development.
- d. the names and email addresses of three referees

Timeline:

Start date is as soon as possible. Applications will be reviewed as they are received.