Postdoctoral Fellowships in Bioinformatics and Computational Biology

The American Museum of Natural History seeks highly qualified applicants for a postdoctoral position for its Gerstner Postdoctoral Scholars program in Bioinformatics & Computational Biology.

Successful applicants will pursue independent and collaborative computational research in integrative studies of genomics, spatial bioinformatics, or biodiversity informatics alongside faculty and other researchers. This program encourages applications from scholars with research interests that may have broad implications for such themes as advancing our understanding of the evolution and diversity of species, the "tree of life", or comparative genomics. This 2022-23 application cycle also includes a special call for applicants who want to pursue museum-centered comparative biology research that also is relevant to human health or biomedicine, including but not limited to virology, epidemics, and public health; collections-based research to investigate the origin, spread, and/or comparative biology of emerging zoonotic pathogens, infectious diseases and their vectors, etc.

Gerstner Scholars in Bioinformatics & Computational Biology (GSB&CB) also will contribute to the design, development and implementation of new algorithms and other bioinformatics tools that address emerging big data issues and are customized for Museum research. In association with their professional development and contributions to the Museum, a portion of each Scholars' efforts will include teaching and workshops (with the *Richard Gilder Graduate School* and *Sackler Institute for Comparative Genomics*) and assistance to Museum scientists and students with their bioinformatics and computational biology research through participation in the Museum's Bioinformatics Core Team.

The initial appointment will be for one year, potentially renewable for up to one additional year based on performance, with a highly competitive salary ($81,969 annually) and generous benefits.

Requirements: Applicants must have a PhD in Biological Sciences, Bioinformatics, Computer Science, Molecular Biology, Genomics, or a related discipline, with experience in the bioinformatics of large biological data sets. Proficiency in scripting is required. Candidates should have documented skills in genome informatics and/or processing phenomic, transcriptomic, or phylogenomic datasets. Candidates should have extensive research experience with a solid publication record, ideally with some experience in phylogenetic methods, and strong interpersonal, writing and problem-solving skills.

Applicants are encouraged to contact potential research mentors/collaborators in advance to develop a research statement (see: *RGGS Faculty List*). Further information on this Gerstner Scholars program is at *GSB&CB Program* and *Prior GSB&CB*.

For more information and how to apply please click this link:
RGGS Gerstner Scholars in Bioinformatics & Computational Biology Program

Applications and all required documents must be submitted by Monday December 5, 11:59pm, Eastern Standard Time. To Apply, click here: https://sis.rggs.amnh.org/apply/

Required Documents:
1. **Cover Letter -** indicating your interest, experience, and qualifications for the position
2. **Research Prospectus -** provide a 150-word summary abstract AND a short (2-4 page) prospectus of the type of research project(s) and bioinformatics-computational biology tools you propose to develop during the postdoctoral appointment; specify potential research mentors you contacted, if relevant.
3. **CV and Names of References**
4. **2 Academic Letters of Recommendation -** letters of recommendation are required from people knowledgeable about your work (*exclusive* of AMNH curators).
5. **Publications** - Files of *up to five* recent publications, or other documentation of relevant accomplishments in bioinformatics/computational biology.

For assistance with the application process, you may contact Gerstnerbioinfopostdoc@amnh.org

DUE DATE for all materials: *December 5, 2022*.