American Museum of Natural History
Postdoctoral Fellowships in Bioinformatics and Computational Biology

The American Museum of Natural History seeks highly qualified applicants for its Gerstner Postdoctoral Scholars program in Bioinformatics and 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 interested in phylogenetics, phylogeography, evolutionary, and high-throughput phenomic/phenotypic studies. 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 are customized for Museum research and address emerging big data issues in phylogenetic and comparative biology analyses. 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.

The initial appointment will be for one year, potentially renewable for one to two additional years based on performance, and includes a highly competitive salary and generous benefits.

Requirements: Applicants must have a PhD in Biological Sciences, Bioinformatics, Computational Biology, Computer Science, Molecular Biology, Genomics, or a related discipline, with experience in the bioinformatics of large biological data sets. Proficiency in Python, Perl, and/or R is required, and familiarity with those and other languages, such as C++/C, or Java, is desirable. Candidates should have documented skills in genome informatics, such as sequence processing, de novo and reference guided assembly, read mapping, gene annotation and discovery, 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 excellent 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* or *RGGS Faculty Search*). 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 and the "tree of life," genomics, and/or human and medical research. Further information on the Gerstner Scholars program and prior Scholars are at *GSB&CB Program* and *Prior GSB&CB*.

For more information and how to apply please click the link below:

Application Deadline: November 5. Applications must be completed by 11:59pm, Eastern Standard Time.

To Apply click here: https://myrggs.amnh.org/Applicant/ApplyOnline_Login.aspx

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; also specify potential research mentors you have 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). The recommendation letters are to be sent directly to *Gerstnerbioinfopostdoc@amnh.org* by November 5 (**Subject Line**: 2018 Gerstner Bioinformatics Computation Postdoc Reference Letter)
5. **Publications** - PDF 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: November 5, 2018.

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