

Northern State University invites applications for a full-time, tenure-track Assistant Professor of Computational Biology.

Qualifications: An earned Ph.D. in Biology, Conservation Biology, or another closely related discipline, with specialization in one or more of the following fields: Biostatistics, Bioinformatics, Mathematics, Molecular Ecology, Conservation Genetics, or Biosystematics; a research focus related to environmental sciences; demonstrated strong research background and publication record; demonstrated ability to work within multidisciplinary teams; demonstrated potential to develop external funding for a research program; effective interpersonal skills and oral and written communication skills. **Desired Qualifications:** Post-doctoral or equivalent experience, Plant Computational Biology experience, demonstrated grantsmanship (experience with federal funding agencies preferred), and demonstrated teaching experience. ABD with a definite completion date may be considered.

Responsibilities: Teach such courses as Biological Statistics, Geographic Information Science (GIS) and Bioinformatics/Proteomics/Cheminformatics, with possible expansion to Microscopy, Applied Mathematics, Physics and others, depending on the expertise of the candidate and departmental needs. The person in this position will perform innovative research with undergraduate researchers to address biological questions, specifically those pertaining to wildlife (plant and animal). Such research would be connected to activities at the South Dakota State University BioSNTR including cell signaling, analysis of transcriptional responses, and modeling cell membrane activities as it relates to animal and plant functional and environmental responses. The successful applicant will be expected to design experiments and environmental biology analysis of sizeable data sets and relative workflows from proteomic, genomic, epigenomic, and/or other high-throughput molecular assays to investigate hypotheses related to aquatic and terrestrial biome diversity and dynamics. This person will be expected to share these workflows and data sets with the greater BioSNTR network and closely collaborate with the BioSNTR team as the NSU technical representative.

Application: Review of applications will begin immediately and continue until the position is filled. December 22, 2014 is the anticipated start date. For more information regarding this position, and to apply, visit: <https://yourfuture.sdbor.edu/applicants/jsp/shared/frameset/Frameset.jsp?time=1411499900015> Click on Northern State University in the Quick Search section. The system will guide you through the electronic application form. AA/EOE