

David L Nieland

Subject: Postdoc position in Arctic ecosystem science

We invite applications for a postdoctoral scientist who will study how locally adapted populations of tussock species (*Eriophorum vaginatum*) respond differently to changing climate and affect ecosystem function and biogeochemical cycling in the Arctic tundra in northern Alaska. The candidate will use and further develop new techniques to measure photosynthesis, respiration, phenology, growth, and decomposition in reciprocal transplant gardens under warming treatments. The candidate is encouraged to develop and implement his/her own idea within the project. The candidate is expected to reside in the Toolik Field Station (<http://toolik.alaska.edu/>) from the end of May through the end of August and then work at the Marine Biological Laboratory (MBL), Woods Hole, MA, for the rest of the year. MBL manages the long-term ecology research (LTER) project at Toolik and is home to dozens of scientists, postdocs, and research assistants studying the Arctic system. The postdoc may have an opportunity to teach at Wilkes University, Wilkes-Barre, PA, to gain teaching experience in an undergraduate institution. The postdoc will join an interdisciplinary team including Drs. Jim Tang (MBL), Ned Fetcher (Wilkes University), and Michael Moody (University of Texas-EI Paso). Two-year funding is available and could be extended to the third year.

A Ph.D. in ecology or evolutionary biology is required. The ideal candidate will have a strong background in evolution with additional experience in physiological ecology or ecosystem ecology. Candidates should have fieldwork experience with a productive publication record and the ability to work collaboratively within an interdisciplinary team. Previous experience with gas analyzers and gas flux measurement is encouraged. A perspective of integrating evolution with ecosystem processes is desired.

To apply, please send your cover letter, CV, publication samples, and names of three references to Dr. Jim Tang (jtang@mbl.edu) and Dr. Ned Fetcher (ned.fetcher@wilkes.edu). Review of applications will start Jan. 15, 2015. We expect that the successful applicant will be available May 1, 2015.