Post doc in urban aquatic ecology and land water interactions for the MSP LTER

The new Minneapolis-St. Paul (MSP) Urban Long Term Ecological Research (LTER) project, funded by the National Science Foundation (NSF), is seeking a post doctoral scientist to join our research team. The MSP-LTER team is building a long-term program of research related to urban nature. The post doc will lead the synthesis of extensive datasets for lakes and streams, including integrating hydrology and water quality data. Analyses of these data will be used to advance understanding of lake and watershed responses to changes in climate, management and configuration of green and grey infrastructure in cities. The post doc will assist in development of new data collections or initiate model developments, depending on alignment of interests and expertise. The position will present opportunities for collaborations within the MSP LTER, as well for engaging with community partners and the LTER network.

New applications will be reviewed until the position is filled, but application before April 25, 2021 is encouraged to ensure full consideration. To apply, submit a CV, statement of research interests, and contact information for three references here: https://hr.myu.umn.edu/jobs/ext/339961. For more information, please contact Jacques Finlay (jfinlay@umn.edu).

Required Qualifications:

- PhD in aquatic ecology, limnology, hydrology, or related fields
- Experience with synthesis and analysis of large water quality datasets
- Ability to work independently, and effectively work with a large team
- Commitment to broad engagement with the LTER, external partners and the public

Preferred Qualifications include one or more of the following:

- Experience with urban watershed, or lake systems models
- Experience with limnological or aquatic field methods
- Experience with urban ecology or watershed biogeochemical processes
- Proficiency with GIS

Duties:

- 70% lead lake and watershed water quality data analyses
- 15% development and implementation of new data collections
- 5% work with LTER personnel on database construction and management
- 10% coordinate and participate in LTER meetings, working groups, and writing