The Center for Translational Science Education (CTSE) at Tufts University School of Medicine in downtown Boston is seeking to hire a postdoctoral scholar to join our efforts to refine, disseminate, and evaluate the outcomes of a) our citizen science focused undergraduate-high school program and b) our studies of online distance-learning for teacher training. This is a full-time training position intended to prepare a scientist interested in obtaining experience in online teaching, curriculum development and in exploring biology education research.

Funding is available to work on two projects through an NSF IUSE grant in the Division of Undergraduate Education and an NIH National Institutes of Allergy and Infectious Diseases grant. This is a one-year postdoctoral position and is available immediately with possibility to continue for an additional two years upon review and mutual agreement. The training will include opportunities to attend regional or national conference(s) to gain exposure to the depth and breadth of discipline-based education research (DBER). The selected applicant will also be encouraged to publish findings and develop his/her own grant proposal based on this or a related project.

The focus of the NSF-funded project is a research-based curriculum that uses a crowd-sourcing approach to assess environmental levels of antibiotic-resistant microbes through classroom-based collection and analysis of soil samples. The focus of the NIAID-funded project is to study the best practices of content focused teacher training, while we disseminate the Infectious Disease module of the Great Diseases Curriculum to teachers and high school students around the country.

**Example responsibilities include:**
- Interfacing with undergraduate and high school instructors to assist them in understanding the science pertaining to the project and the methodology of data collection requirements.
- Take an active role in improvement strategies for online reporting of student-generated data.
- Analyze existing (and create new) assessment data to evaluate program efficacy.
- Create short instructional videos for students and instructors.
- Amend curricular materials based on instructor feedback.
- Develop curricular data analysis activities.
- Attend pedagogical training workshop (and/or help in instruction).
- Direct and evaluate an online course in teaching infections diseases.
- Other duties as is necessary.
Qualifications:

REQUIRED QUALIFICATIONS:
• Doctoral or equivalent degree (currently held or expect to obtain shortly) in a scientific discipline, preferably microbiology or environmental biology.
• Excellent oral and written communication skills, including professional correspondence.
• Demonstrated ability to create timelines, meet project deadlines, assess priorities, take initiative, and operate in a flexible manner.
• Demonstrated ability to interpret complex data and visually represent it clearly and effectively.
• Demonstrated analytical skills and independent judgment.
• Excellent computer/technical skills.
• Ability to work within a team and independently.
• Innovation, flexibility, and creativity.

PREFERRED QUALIFICATIONS (include the above plus):
• Experience using MS Office products (Word, Excel, PowerPoint, and Outlook), web development tools, and social media.
• Knowledge of statistical methods common in biomedical sciences.
• Knowledge of biomedical research culture.
• Experience with the development of educational resources or curricula.
• Demonstrated skills in teaching.

Additional Information:
This is a one-year position with opportunity for extension upon mutual agreement.

To apply, submit a cover letter and CV (or resume) with references to Carol Bascom-Slack
Carol.bascom_slack@tufts.edu.

Tufts University is an AA/EO employer and actively seeks candidates from diverse backgrounds. Please see the Tufts University non-discrimination statement.