The Center for Translational Science Education (CTSE) at Tufts University School of Medicine in downtown Boston is seeking to hire two Scientist-Educators as William Bingham the 2nd Fellows. Fellows will join our efforts to launch a new online graduate level teacher training program at the Medical school called, Teaching the Great Diseases (TGD). As a fellow, you will work to refine, disseminate, and evaluate the outcomes of an online distance-learning teacher training. These are full-time postdoctoral positions intended to prepare a biomedical scientist interested in obtaining experience in online teaching, curriculum development and in exploring biology education research.

Funding is available through a grant from The Bingham Trust that supports the launch of the TGD program. This is a one-year postdoctoral position available in March 2018 with possibility to continue for an additional three years upon review and mutual agreement. The training will include exposure to best practices in online learning and teacher training, as well as an introduction to the scholarship of teaching and learning. 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 goal of the TGD program is to equip high school teachers with the knowledge, skills and classroom materials needed to teach health and biomedical sciences. More specifically, it supports teachers interested in using a high school level Biology II curriculum called the Great Diseases. The curriculum was developed collaboratively with scientists at Tufts Medical School and Boston Public School teachers. It is now a year-long course used by thousands of students across the country and emphasizes authentic scientific thinking through four ‘Great Disease’ modules: Infectious Disease, Neurological Disorders, Metabolic Disease and Cancer.

The focus of the William Bingham the 2nd Fellows will be to design, teach, and study teacher training through the TGD Program. We are interested in achieving two major impacts: (1) Teachers will gain needed continuing education, and (2) what they learn will be directly transferred into their classrooms to increase high school student competencies in STEM and health literacy skills. The Scientist-Educator Fellow will bridge the divide between health sciences and education professions.

**Example responsibilities include but not limited to:**

- Build and amend curricular materials based on the four disease topics within the TGD program.
- Establish a research program related to the TGD program.
- Analyze existing (and create new) assessment data to evaluate program efficacy.
- Interfacing (mostly virtually) with high school instructors to assist them in understanding the science pertaining to the project.
- Attend pedagogical training workshop (and/or help in instruction).
Qualifications:

REQUIRED QUALIFICATIONS:

- Doctoral or equivalent degree (currently held or expect to obtain shortly) in a scientific discipline, preferably neurobiology, microbiology, immunology or nutrition.
- 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 and creativity.

PREFERRED QUALIFICATIONS (include the above plus):

- Experience in: Web development, social media, and multimedia development (videos, games, etc.)
- Knowledge of statistical methods common in biomedical sciences.
- Knowledge of biomedical research culture.
- Experience in online learning.
- Experience with the development of educational resources or curricula.
- Demonstrated skills in teaching.

Additional Information:

This is a one-year position with funding for up to four years upon mutual agreement.

To apply, submit a cover letter and CV (or resume) with references to the TGD Co-Director Stephanie Tammen at:

Stephanie.Tammen@tufts.edu

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