Assistant Professor, Bioinformatics and Biostatistics
Department of Biological Sciences

The Jess and Mildred Fisher College of Science and Mathematics

Position
The Jess and Mildred Fisher College of Science and Mathematics invites applications for a tenure-track, 10-month Assistant Professor position in bioinformatics or biostatistics in the Department of Biological Sciences beginning Fall 2020.

Qualifications
PhD in a relevant field of biology is required and postdoctoral experience is preferred. Candidates should have a strong foundation in statistical analysis. Examples of preferred skills include but are not limited to the following:

- Ability to conduct Bioinformatics analysis of large-scale omics data.
- Statistical analysis of data using software programs such as R.
- Knowledge of database design and development.
- Proficiency in scripting languages.
- Experience installing and running Linux-based Bioinformatics tools.

The successful candidate will be expected to possess a strong commitment to excellence in teaching, show potential for a productive research/scholarly program, and pursue extramural funding.

Responsibilities
Teaching load is usually 9 contact hours per semester which typically consists of 1-2 classes per semester. Teaching responsibilities may include courses in bioinformatics, quantitative analysis, and a graduate-level course in the area of specialty. The candidate is expected to work in a collaborative environment with other faculty to complement existing research in the department while also developing a research program that involves undergraduate and graduate students.

Department of Biological Sciences:
The Department of Biological Sciences (https://www.towson.edu/fcsm/departments/biology/) supports research spanning multiple disciplines, with an emphasis on collaborative, interdisciplinary work in cell and molecular biology, organismal biology and ecology, physiology, and science education. Faculty also actively contribute to three interdisciplinary degree programs: Animal Behavior; Molecular Biology, Biochemistry and Bioinformatics; and Environmental Science and Studies. The department provides a supportive environment for research and teaching and is committed to inclusive, excellent undergraduate and graduate student education in synergy with internationally recognized research programs. Linux servers are available for big data analysis, as is instrumentation to gather large data sets (next generation sequencing instrumentation for RNA and DNA analysis and additional instrumentation for protein analysis). In addition to faculty engaging in funded disciplinary research, the department
houses two NIH Bridges grants and an Inclusive Excellence grant from the Howard Hughes Medical Institute devoted to increasing success and retention of all students in science. In January 2021, the Department, along with Chemistry and Physics, Astronomy and Geoscience, will be moving into a new, state-of-the-art science building which will create additional opportunities for collaboration and data collection.

TOWSON UNIVERSITY

About TU

Towson University was founded in 1866, is recognized by U. S. News and World Reports as one of the top public universities in the Northeast and Mid-Atlantic regions, is Baltimore’s largest university, and is the largest public, comprehensive institution in the University of Maryland System. TU enrolls over 19,000 undergraduates and over 3,000 graduate students across six academic colleges (business, education, fine arts, health professions, liberal arts, science & mathematics), has over 865 full-time faculty, and offers more than 65 bachelor’s, 45 master’s, and 5 doctoral programs. Our centrally located campus sits on 330 rolling green acres and is 10 miles north of Baltimore, 45 miles north of Washington D.C., and 95 miles south of Philadelphia.

Application Process

Review of applications begins immediately and continues until position is filled. Applications should include a curriculum vitae, separate statements of research and teaching interests including a description of how the candidate has worked with diverse student populations, and copies of three recent publications; applications and three letters of recommendation (under separate cover) should be sent electronically to Brandi Mayo, Administrative Assistant (bmayo@towson.edu). Questions about the position can be directed to the chair of the search:

David J. Hearn, PhD
Department of Biological Sciences
Towson University
8000 York Road
Towson, MD 21252
dhearn@towson.edu

A Criminal Background Investigation is required for the hired candidate and the results may impact employment. Please note that the search number for which you have applied is FCSM-3325.

Applicant Data Form

Please be sure to visit the Applicant Data Form to complete a voluntary on-line applicant data form. The information you provide will inform the university's affirmative action plan and is for statistical-related purposes only. The information will not be used for any other purpose.

Towson University is an equal opportunity/affirmative action employer and has a strong institutional commitment to diversity. Women, minorities, persons with disabilities, and veterans are encouraged to apply.