

Postdoctoral Associate in Statistics

Position Summary

Rice University's Department of Statistics has an open postdoctoral fellow position with a flexible start date of [September 1, 2023](#), funded from an NIH-NCI T32 Training Grant. The postdoctoral fellow will be mentored by qualified faculty members at Rice University or MD Anderson Cancer Center with possible co-mentorship from other institutions of the Texas Medical Center.

Applications are currently being accepted to fill one full-time, 12-month postdoctoral fellow position (with a maximum of two annual renewals given continued service) at the Department of Statistics in the School of Engineering, Rice University or at the Biostatistics Department at MD Anderson Cancer Center. Applications will be accepted until the positions are filled.

The postdoctoral fellow will perform more advanced work and will likely move more quickly into academic careers in cancer research. The postdoctoral fellow will also provide support and mentoring for predoctoral trainees and will participate in joint activities of the Program, including seminars. The individual will also be expected to attend courses chosen to supplement their respective backgrounds with elements of cancer research.

Please note: Department is only considering US citizens and permanent residents for this position.

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The George R. Brown School of Engineering ranks among the top 20 undergraduate engineering programs (US News & World Report) and is strongly committed to nurturing the aspirations of faculty, staff and students in an inclusive environment.

We are seeking candidates who have demonstrated ability to lead and/or work collaboratively in teams comprised of individuals of diverse backgrounds, skills, and perspectives.

We seek greater representation of women, minority groups, people with disabilities, and veterans in disciplines in which they have historically been underrepresented; to attract international students from a wider range of countries and backgrounds; to accelerate progress in building a faculty and staff who are diverse in background and thought; and we support an inclusive environment that fosters interaction and understanding within our diverse community.

Rice University is an Equal Opportunity Employer with commitment to diversity at all levels and considers for employment qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national or ethnic origin, genetic information, disability, or protected veteran status.

Essential Functions

- Perform advanced work in cancer research – particularly in mathematical modeling of tumor evolution and related inferential tasks.
- Provide support and mentoring for predoctoral trainees in the Program
- Participate in joint activities of the Program, including seminars
- Attend courses chosen to supplement a fellow's respective background with elements of cancer research

Required Qualifications

- Ph.D. or other doctoral degree in Statistics, Biostatistics, Applied Mathematics, Computer Science or a related field
- U.S. citizens or U.S. permanent residents only
- No experience required

Skills Required

- Moderate to advanced exposure to scientific programming in any of the following languages: Matlab, Fortran, C, C++, R, Julia and/or Python.
- Background in stochastic and statistical modeling, multivariate data analysis, statistical learning and/or working with big data.
- High-school level background in biology, particularly cell and molecular biology, DNA, proteins and like.
- Excellent verbal and written communication skills, as well as oral presentation skills
- Able to work in a collaborative environment
- Able to work independently and professionally with minimal supervision and direction