

NIH-funded Postdoctoral Research Scientist Position is available

Job Description

PROFILE of the UNIVERSITY

Founded in 1957, UNLV is a doctoral-degree-granting institution comprised of approximately 31,000 students and more than 3,900 faculty and staff. To date, UNLV has conferred more than 136,000 degrees, producing more than 120,000 alumni worldwide. UNLV is classified by the Carnegie Foundation for the Advancement of Teaching as an R1 research university with very high research activity. The university is committed to recruiting and retaining top students and faculty, educating the region's diversifying population and workforce, driving economic activity through increased research and community partnerships, and creating an academic health center for Southern Nevada that includes launching a new UNLV School of Medicine. UNLV has located on a 332-acre main campus and two satellite campuses in Southern Nevada. For more information, visit us online at <http://www.unlv.edu>

COMMITMENT to DIVERSITY

The successful candidate will demonstrate support for diversity, equity, and inclusiveness as well as participate in maintaining a respectful, positive work environment.

ROLE of the POSITION

A postdoctoral position in bioinformatics is available in Dr. Qing Wu's lab in the Nevada Institute of Personalized Medicine at the University of Nevada, Las Vegas. The Nevada Institute of Personalized Medicine was just awarded an \$11.4M, 5-year Center of Biomedical Research Excellence P20 Grant from NIH in personalized medicine research.

The successful candidate will play a key role in developing research plans, execution, and analysis of projects involving "big data," including GWAS data, electronic medical records, and Federal-funded extensive cohort data. The successful candidate will assist the PI in researching GWAS data management, imputation and analysis, deep learning, and big-data analysis in a collaborative medical research setting. In addition, the successful candidate will have the opportunity to be promoted to a research faculty.

The successful candidate will work in collaborative teams to address critical health and medical issues in the community. These issues include access and affordability of health care and the prevalence of diseases such as osteoporosis, cancer, and diabetes. There are opportunities to collaborate with partners with unique capabilities, such as the Cleveland Clinic Lou Ruvo Center for Brain Health, the Comprehensive Cancer Centers of Nevada, and the Veteran's Administration Hospital.

QUALIFICATIONS

A minimum of a Doctoral degree (e.g., Ph.D.) is required in bioinformatics, informatics, biostatistics, statistics, computer sciences, or a relevant discipline. Additional postdoctoral training in corresponding fields is preferred but not required. Credentials must be obtained prior to the start of employment.

- Proven computational skills, programming skills (Python, C++, and R), and experience in performing data analyses of NGS data are required.
- Practical experience in bioinformatics, genomic data processing, high-dimension data analysis is required.
- Knowledge and experience in bioinformatics, data analysis, and statistical modeling are required.

The successful candidate will have good communication, leadership, writing, and organizational skills and a proven ability to work within a team environment. The candidate should have a strong publication record.

PREFERENCES:

Experience in machine learning and big data analysis is preferred.

A background in public health, medicine, biology, or a related area is preferred.

Research experience in osteoporosis, fracture, and bone density is preferred but not required.

SALARY RANGE

The salary is competitive and commensurate with the NIH Postdoctoral stipend level. The position is contingent upon funding.

APPLICATION DETAILS

Submit a letter of interest, detailed resume listing qualifications and experience, salary expectations, and the names, addresses, and telephone numbers of at least three professional references who may be contacted. Applicants should fully describe their qualifications and experience, with specific reference to each of the minimum and preferred qualifications.

Although this position will remain open until filled, a review of candidates' materials will begin December 8, 2021, and best consideration will be gained for materials submitted prior to that date. Materials should be addressed to Dr. Qing Wu, Search Committee Chair at qing.wu@unlv.edu. For assistance with the application process, please contact UNLV Human Resources at (702) 895-3504 or applicant.inquiry@unlv.edu.

SAFETY AND SECURITY STATEMENT

UNLV is committed to assisting all members of the UNLV community in providing for their own safety and security. [The Annual Security Report and Annual Fire Safety Report compliance document](#) are available online.

EEO/AA STATEMENT

UNLV is an Equal Opportunity / Affirmative Action educator and employer committed to achieving excellence through diversity. All qualified applicants will receive consideration for employment without regard to, among other things, race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, sexual orientation, genetic

information, gender identity, gender expression, or any other factor protected by anti-discrimination laws. The University of Nevada, Las Vegas employs only United States citizens and non-citizens lawfully authorized to work in the United States. Women, under-represented groups, individuals with disabilities, and veterans are encouraged to apply.

Job Category

Academic Faculty

Employment Type

Full-time

Qing Wu
Professor of Biostatistics
University of Nevada-Las Vegas
