

Postdoctoral Fellow in Healthy Aging and Longevity

Position Description

NYU Shanghai is committed to the development of the next generation of scientists and is seeking to fill full-time postdoctoral fellow roles with anticipated start dates around September 2027. Each position is initially awarded as a two-year appointment and is renewable annually thereafter based on performance and availability of funding.

The position involves postdoctoral research on healthy aging and longevity, especially how artificial intelligence (AI) and other digital technologies can support longevity and resilience among older adults, and the biological mechanisms that underlie healthy aging. Applicants with backgrounds in AI and data science, as well as in the biological sciences, are encouraged to apply. Potential research directions include developing or evaluating AI-enabled and digital tools that support cognitive health, functional independence, and well-being in later life; and investigating how genetic and epigenetic factors, the microbiome, and immune aging and inflammation relate to cognitive decline and age-related disease. Experience in research on cognitive health, dementia, or the biology of aging is also desirable. The postdoctoral fellow will engage in conducting data analyses, reporting study results, publishing in peer-reviewed journals, presenting at conferences, and grant writing, in addition to advancing their own area of research. The postdoctoral fellow will be under the mentorship and direction of Prof. Bei Wu, Provost and Distinguished Global Professor of Public Health at NYU Shanghai, and will receive professional development and academic networking opportunities across NYU's Global Network.

The position is based in Shanghai, China. The start date is flexible and, for international applicants, subject to immigration regulations. Terms of employment at [NYU Shanghai](#) are comparable to NYU New York and other U.S. institutions.

Qualifications

1. Dissertation completed in the last three years. If you have not yet completed your dissertation at the time of application, please provide verification in writing from your dissertation chair confirming that your degree will be conferred before the start of your position.
2. Earned PhD or equivalent in computer science, data science, engineering, biology, genetics, bioinformatics, microbiology, immunology, or other related fields.

3. As part of its selection process, our selection committee looks for evidence of a strong track record of scholarly achievement (publications, honors, awards), grant writing experience, and the promise of continued achievement toward independence as a researcher.
4. Strong research skills relevant to the applicant's background, such as quantitative or computational methods (e.g., longitudinal data analysis, causal inference, machine learning, natural language processing, or large language models) or biological and bioinformatic methods (e.g., genomic, epigenomic, microbiome, or immunological analyses). Proficiency in at least one statistical or programming language, such as R, Python, Stata, or SAS, is preferred.
5. Excellent written and oral communication skills in English and the ability to work independently and collaboratively in an interdisciplinary, international team. Proficiency in Mandarin Chinese is an advantage but not required.

Application Instructions

Please upload the following materials.

1. Curriculum vitae
2. A personal statement detailing the reasons for applying for the position, the applicant's research interests and career goals, and how the proposed research fits with the research program of the mentor, Prof. Bei Wu (maximum one page, single-spaced)
3. One research paper that is most representative of the candidate's work (preferably first-authored by the candidate)
4. Names and contact information for two references

Applications will be reviewed as they are received and until the positions are filled. Shortlisted applicants will be invited for an interview. Incomplete submissions will not be accepted.

Applications should be submitted through Interfolio at the following link: <https://apply.interfolio.com/195036>. For questions about the application process, please contact the NYU Shanghai Office of Faculty Recruitment at shanghai.faculty.recruitment@nyu.edu.

About NYU Shanghai

[NYU Shanghai](#) is the third degree-granting campus within New York University's Global Network. It is the first higher education joint venture in China authorized to grant degrees that are accredited in the U.S. as well as in China. All teaching is conducted in English. A research university with liberal arts and science at its core, NYU Shanghai resides in one of the world's great cities with a vibrant intellectual community. NYU Shanghai recruits scholars of the highest caliber who are committed to NYU's global vision of transformative teaching and innovative research and who embody the global society in which we live.

NYU's Global Network includes degree-granting campuses in New York, Shanghai, and Abu Dhabi, complemented by thirteen additional academic centers across the world. Faculty and students may circulate within the Network in pursuit of common research interests and cross-cultural, interdisciplinary endeavors, both local and global.

For people in the EU, click here for information on your privacy rights under GDPR: www.nyu.edu/it/gdpr.

[NYU Shanghai](#) is an equal opportunity employer and strongly encourages applications from all interested persons. NYU Shanghai affirms the value of differing perspectives on the world as we strive to build the strongest possible university with the widest reach.