

THE EPIDEMIOLOGY AND BIOSTATISTICS OF AGING TRAINING PROGRAM

Director: Karen Bandeen-Roche, Ph.D.

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The **Epidemiology and Biostatistics of Aging (EBA) Training Program** at the Johns Hopkins Bloomberg School of Public Health (BSPH) is currently seeking a **postdoctoral fellow for forthcoming support**. We have one available postdoctoral opening in the 2021-2022 academic year. Applicants who would like to be considered for this opening should submit their applications as soon as possible. Applications will be received and reviewed on a rolling basis until the slot is filled.

Data available to researchers on aging are increasingly complex, whether simply massive (as in genomics, imaging, or real-time measures), high in potential for discovery but not explicitly designed for research (as in electronic health records), multi-dimensional (as in data on physiological regulation over multiple organ systems), or multi-component (as in meta-analyzing data from the many existing cohort studies on aging). Scholars who combine specialty quantitative expertise with immersion and dedication in science on aging will be crucial if such data are to yield valid scientific discoveries, improved strategies for preventing, delaying and treating adverse outcomes of older age, and means to manage the demographic shift to an older population productively and effectively. Therefore, the EBA Training Program addresses a critical need for the field of gerontology and for our society through its training of epidemiological and biostatistical scholars on aging, with emphases in mental and physical health. Trainees receive mentoring and training to become investigators who can conduct leading-edge epidemiological or biostatistical research to heighten the health of older populations, or develop, implement and evaluate prevention programs for the aging population. All supported trainees engage in research in progress meetings and seminars on aging, and work with core faculty on existing or newly developed research projects on aging.

Postdoctoral fellows participate in on-going significant clinical and population-based research on aging and older adults across multiple institutions at Johns Hopkins. They acquire special expertise in conducting gerontological research in their specialty discipline under the guidance of a mentor. We particularly seek trainees with interests in the study of resilience and frailty in older adults; health disparities in aging; statistical design, modeling and inference for dynamical systems studies of health, complex measurement, and lifecourse impacts in aging; relations of physical or cognitive outcomes with objectively measured health behaviors (e.g. physical activity, sleep) and markers (e.g. ECG, EEG); and cognitive, mental, and sensory health in aging – as well as the intersection of these constructs. For some post-doctoral fellows, additional training can be acquired in coordination with a clinical fellowship training program. Training in grant writing is also available. Training grant funding provides a stipend for postdoctoral fellows as well health insurance coverage and a small professional development annual allowance. There is potential for tuition support for potential fellows who seek enrollment in a degree program to cross-disciplinarily supplement their primary training at the Master's level. Suitable postdoctoral applicants will hold a Ph.D. in Epidemiology, Biostatistics, or other quantitatively oriented population health field; or a clinical or academic doctoral degree with dedication to pursuit of geriatrics and development of methodological skills.

Please note: this program is funded by the National Institute on Aging. **Candidates must have US citizenship or permanent residence status to be eligible**. We are strongly supportive of applicants from diverse backgrounds; individuals from historically underrepresented populations are encouraged to apply (<https://provost.jhu.edu/education/postdoctoral-affairs/the-postdoc-community/postdoc-diversity-and-inclusion/>). Please contact bbuta@jhu.edu or 410-502-3412 with any questions. Please visit the EBA Training Program's website: http://coah.jhu.edu/academics/aging_training.html

Applications will be received and reviewed on a rolling basis.

Application Procedure for the Epidemiology and Biostatistics of Aging Training Program

Eligible Candidates for the EBA Training Program:

Postdoctoral candidates eligible for training program funding must be:

- United States citizens or have U.S. Permanent Residence
- Accepted into the BSPH post-doctoral fellowship program (in either Epidemiology or Biostatistics or Mental Health). ***Please note:*** *BSPH departmental acceptance is not required before you submit an application to the EBA Training Program. If you are selected for EBA Training Program support, a BSPH postdoctoral application and acceptance will be required for official appointment to the training program.* Information on the application process can be obtained from the Admissions Office (<http://www.jhsph.edu/Admissions>; or 410-955-3543 or jhsph.admiss@jhu.edu).

Applying to the EBA Training Program:

Eligible candidates should submit the following application materials to the program administrator (address and email below):

- Curriculum Vitae (CV)
- Statement of career objectives/research goals* (please see instructions below)
- Three (3) letters of recommendation
- Proof of U.S. citizenship/permanent residence (birth certificate or passport)
- Official Transcripts (for postdoctoral applicants, only transcripts from PhD or MD program are required)

To: Brian Buta, MHS, Program Administrator
Epidemiology and Biostatistics of Aging Training Program
2024 E. Monument Street, Suite 2-700, Baltimore, Maryland 21205
410-502-3412 (phone); 410-614-9625 (fax)
bbuta@jhu.edu

*Statement of objectives and goals:

Applicants should describe why they are interested in research about aging or the health of older adults. Please address interests and goals, related to (i) research, (ii) education, and (iii) practice (public health, clinical or commercial), as well as relative priority you place on each of these as you envision your future career. The statement should describe career goals and career development plans for the fellowship, including a) the skills, knowledge or certifications the applicant seeks to obtain; b) expected effects on career goals; and c) potential mentors at Johns Hopkins. For applicants with doctoral degrees in areas other than biostatistics and epidemiology, please provide a description of quantitative background. For applicants with resumes lacking peer-reviewed research articles, please characterize extent of research preparedness. This statement should be 2-3 pages, double-spaced.