



Dear Colleagues:

The Johns Hopkins Cardiovascular Epidemiology Training Program is recruiting pre-doctoral and post-doctoral candidates for advanced training in cardiovascular epidemiology. The program combines training in graduate degree programs in the Department of Epidemiology at the Johns Hopkins Bloomberg School of Public Health with collaborative research experiences with top investigators in epidemiology, biostatistics, and clinical research. The program is housed in the Department of Epidemiology (<http://www.jhsph.edu/dept/epi/>) and the Welch Center for Prevention, Epidemiology and Clinical Research (<http://www.jhsph.edu/welchcenter>) and is affiliated with the Divisions of General Internal Medicine and Cardiology at Johns Hopkins. Pre-doctoral applicants will have a strong background in biology, math, and/or genetics and are interested in pursuing a PhD in epidemiology. Qualified post-doctoral applicants include graduates from PhD programs in epidemiology, biostatistics, or other quantitative fields, and physicians with clinical training interested in pursuing a master's degree in epidemiology.

At this time, we are particularly interested in receiving applications from prospective trainees with strong skills in applied mathematics and statistics, biomedical sciences, computational sciences, information sciences, or data sciences who are interested in making a difference in health. Disease focus areas include cardiovascular disease, type 2 diabetes, and chronic kidney disease with extensive collaboration between researchers and physician-scientists. Specific research areas include:

- “Big Data” and machine learning as applied to topics related to cardiovascular disease
- ‘Omics of cardiovascular disease and related conditions
- Clinical epidemiology of type 2 diabetes
- Meta-analysis
- Prevention of cardiovascular disease
- The role of kidney disease in the development of cardiovascular disease
- Vascular risk factors for dementia and neuro-cognitive decline
- Health disparities
- Genetic epidemiology

The program faculty members span a wide range of disciplines with strong collaborations across public health, medicine, biostatistics, and the laboratory sciences. Ongoing research benefits from leadership roles in many studies including the Atherosclerosis Risk in Communities (ARIC) Study, Multi-Ethnic Study of Atherosclerosis (MESA), hypertension clinical trials, the National Health and Nutrition Examination Survey (NHANES), and large administrative datasets.

See the website for more detailed information regarding the program, ongoing research collaborations, and application instructions: <http://www.jhsph.edu/cvdepi>

Each year, we select well-qualified applicants for pre-doctoral and post-doctoral training. Only U.S. citizens and permanent U.S. residents are eligible for this program. Admission criteria include promise as a future researcher as well as compatibility with the existing mentors. The latter criterion is particularly important for research postdoctoral fellows, who must identify a research mentor prior to admission.

Please contact the Program Director, Dr. Josef Coresh, [coresh@jhu.edu](mailto:coresh@jhu.edu), Program Co-Director, Dr. Elizabeth Selvin, [eselvin@jhu.edu](mailto:eselvin@jhu.edu), or Assistant Program Director, Dr. Shoshana Ballew, [sballew1@jhmi.edu](mailto:sballew1@jhmi.edu), for more information.



## Seeking Pre- and Post-Doctoral Candidates For The Cardiovascular Disease Epidemiology Training Program

The Department of Epidemiology is seeking candidates for pre- and post-doctoral training in our Cardiovascular Disease Epidemiology and Prevention Training Program. Researchers and clinicians with strong skills in applied mathematics and statistics, biomedical sciences, computational sciences, information sciences, or data sciences are strongly encouraged to apply.

Established in 1975, the NIH/NHLBI-funded Cardiovascular Disease Epidemiology Training Program focuses on interdisciplinary training in the epidemiology of the leading cause of death in the United States. The program integrates knowledge of all aspects of cardiovascular disease: applications of “big data” and machine learning, ‘omics of cardiovascular disease and related conditions, genetics, physiology, behavior, treatment, and prevention. Training emphasizes a collaborative approach and active participation in research. A number of large on-going cohort studies and clinical trials provide a rich environment for the conduct of research. Didactic courses focus on clinical research methodology for the study of risk factors for cardiovascular disease and strategies for prevention. Seminar-style courses offer a more in-depth understanding of disease pathophysiology and clinical management.

Our faculty members cover a wide range of disciplines across public health, medicine, biostatistics, and the laboratory sciences. Trainee research opportunities include collaborations with major studies such as the Atherosclerosis Risk in Communities (ARIC) Study, Multi-Ethnic Study of Atherosclerosis (MESA), hypertension clinical trials (DASH, OMNI-HEART), and the National Health and Nutrition Examination Survey (NHANES), as well as large administrative datasets.

The program benefits from close ties with the Divisions of General Internal Medicine, Cardiology, and Endocrinology and Metabolism at the Johns Hopkins School of Medicine.

Tuition and stipend for PhD students and post-doctoral trainees (master’s degree after MD degree/equivalent or research after a PhD) are available on a merit basis for US citizens or permanent residents.

*For more information on the training program and application instructions, see our website:*

<http://www.jhsph.edu/cvdepi>

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