

Post-Doctoral Scientist Opportunity in Washington, DC (GWU)

Dr. Power, at George Washington University, is seeking a highly motivated individual to support a project on aligning the observational and RCT evidence around hypertension and diabetes treatment for the prevention or delay of cognitive impairment and dementia. Qualified individuals will have an established interest in dementia epidemiology and biostatistical/epidemiologic methods, including causal inference methods, and will have the opportunity to work with a large team of external experts in the fields of causal inference and dementia epidemiology. The ideal candidate will have a strong background in epidemiology and biostatistics, evidence of peer-reviewed publications, excellent problem-solving skills, interdisciplinary thinking, good communication skills, ability to work with multi-disciplinary teams, and the ability to learn and work with multiple software tools and novel statistical methods.

The overarching aim of the project is to combine information from 8 observational datasets, including cohort studies, biobanks, and registries, into a unified prevention simulation model that can simulate effects of hypothetical RCTs of hypertension or diabetes management for the prevention of dementia. The model will be developed in stages and validated against actual findings of existing RCTs, with the goal of identifying RCT designs that would be expected to show benefit. Ultimately, the simulation will be disseminated to technical audiences through workshops and R package development, and non-technical audiences through an online calculator. Opportunities to work on other projects, including projects related to race/ethnic disparities in AD/DRD or the link between air pollution and cognitive health, may also be available.

In addition to the substantive work, the Post-Doctoral Scientist will be expected to attend professional conferences, pursue external professional development opportunities. The position includes protected time to develop a K, F, or R grant or pilot project and to participate in educational activities including teaching and mentoring.

The Postdoctoral Scientist will be advised by and will work closely with Dr. Melinda Power. This position is a one year appointment and an extension is contingent upon further grant funding.

Responsibilities include:

- Conducting or supporting original epidemiologic and biostatistical research, from grant-writing and planning through publication and dissemination
- Pursuit of professional development opportunities, including development of a K, F, or R grant
- Contributions to the educational mission of the Department of Epidemiology and Biostatistics
- Performs other related duties as assigned. The omission of specific duties does not preclude the supervisor from assigning duties that are logically related to the position.

To apply, please see the posting: <https://www.gwu.jobs/postings/55986>

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