June 8, 2022

Dear Colleague,

I write with an opportunity for an exciting full-time opportunity for a Postdoctoral Research Associate with **Brown University Department of Biostatistics** and at the **Center for Gerontology and Healthcare Research**. This candidate will be mentored by Drs. Roee Gutman, at the Brown University School of Public Health and Thomas Travison at the Marcus Institute for Brain Research. The position is for 24 months and opportunities for travel to conferences and collaborating institutions are available.

We are seeking a highly motivated researcher with an interest in pragmatic cluster randomized trials to work on methodological development in the designing and analyzing adaptive pragmatic randomized trials to address non-adherence and proxy responses. Many pragmatic cluster randomized trials suffer from non-adherence at multiple levels. Currently, there are limited methods to address non-adherence in such trials at the analysis stage under restrictive assumptions. An important area of research involves designing trials that address possible non-adherence and would allow for less restrictive assumptions. The focus of this research will be to develop adaptive trials designs that would allow for adaptation of the intervention to address non-adherence during the same trial or in follow-up trials. We also intend to develop analysis methods to address non-adherence in pragmatic trials. Lastly, we would like to consider pragmatic trials when patients cannot report their outcomes and only proxy responses are available for them. These are scenarios are common for people with dementia. The position is supported by the National Institute on Aging (NIA) **IM**bedded **P**ragmatic **A**lzheimer's disease (AD) and AD Related Dementias (AD/ADRD) **C**linical **T**rials (IMPACT) Collaboratory with additional mentorship from faculty members at Brown University, Yale University, Harvard University and NYU School of Medicine. Principal goals of the NIA IMPACT Collaboratory are to develop and disseminate research methods and best practices in the conduct, dissemination and implementation of embedded pragmatic clinical trials (ePCT) for people living with dementia and their caregivers. The Postdoctoral Associate will have the opportunity to work with a variety of mentors in the IMPACT Collaboratory and world leaders in pragmatic and cluster randomized trial designs.

Candidates must have a PhD in statistics or biostatistics or relevant areas, strong programming skills, as well as good written and oral communication skills. Prior course work in study design, clinical trials, causal inference, adaptive design and Bayesian analysis are preferred. Strong preference will also be given to individuals who are highly motivated to work in pragmatic trials and/or AD/ADRD care.

The Department teaches a growing number of students at the undergraduate, Master's, and PhD levels. The master's program includes a health data science track. The Brown School of Public Health and the broader University offer opportunities for substantial collaboration with world class researchers in the constituent disciplines of data science as well as in a broad range of domain areas, such as health care and policy research, brain sciences, computational biology, epidemiology, and behavioral sciences.

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Brown University is committed to fostering a diverse and inclusive academic global community; as an EEO/AA employer, Brown considers applicants for employment without regard to, and does not discriminate on the basis of, race, color, sex, age, national or ethnic origin, disability, veteran status, sexual orientation, gender identity, gender expression, or any other characteristic protected under applicable law.

Interested applicants should apply online at http://apply.interfolio.com/107193. Please upload the following: letter of application, a description of current and planned research, a diversity statement, and an updated curriculum vitae. In addition, candidates should arrange for at least three letters of recommendation to be submitted through Interfolio.   Brown University is committed to increasing diversity and inclusion of underrepresented groups. In your diversity statement, please address how your past and present work demonstrates a commitment to diversity, equity and inclusion, and how you intend to continue your commitment to diversity in future work. We value the different ways this might be demonstrated through scholarship, teaching, mentoring, service and community engagement.

Application questions should be addressed to Denise Arver, Administrator, Department of Biostatistics, at Denise_Arver@brown.edu.

Application review will start following August 1st. All applications received by August 1st will receive full consideration. Applications received after this priority date may be reviewed until the position is filled. For more information, please contact me at Roee_Gutman@brown.edu.

Sincerely,

Roee Gutman, PhD
Associate Professor of Biostatistics