

Please follow the link to learn more about the Department of Internal Medicine, Section of Geriatrics and Department of Biostatistics at the Yale School of Public Health and the Monin Lab.

<https://medicine.yale.edu/intmed/geriatrics/>

<https://www.publichealth.yale.edu/biostat>

<https://medicine.yale.edu/lab/monin/>

<https://postdocs.yale.edu/yale-postdoctoral-positions>

Description:

An exciting full-time opportunity as a Postdoctoral Associate exists in **Gerontologic Biostatistics** at the **Yale School of Medicine**. This candidate will be mentored by Drs. Joan Monin and Heather Allore at Yale School of Public Health and Dr. Roe Gutman at Brown University. The position is for 12 months (with possibility for extension) and opportunities for travel to collaborating institutions are available.

We are seeking a highly motivated researcher with an interest in embedded pragmatic clinical trials (ePCTs) to work on methodological development in longitudinal dyadic analyses. When examining the effectiveness of ePCTs for persons living with dementia (PLWD) and caregivers, it is important to consider how each dyad member influences the other over time. PLWD and caregiver's perceptions often differ making it necessary to understand whether effects of ePCTs may vary between PWDs and caregivers. Therefore, longitudinal analytical techniques accounting for this interdependence are needed. This may include application and extension of the Actor Partner Interdependence Model, which estimates effects on both the PLWD and their caregiver, while acknowledging the relationship between them. This is a state-of-the-art approach for analyzing data where the outcomes of both caregivers and PLWDs are of interest. Methods to be developed for dyadic EHR data analysis must consider that PLWD data and/or their caregivers data may be missing over time and how to best use dyadic methods under that circumstance. 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. Principal goals of the NIA IMPACT Collaboratory are to develop and disseminate research methods and best practices in the conduct, dissemination and implementation of 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.

Position Qualifications:

Qualifications are 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 longitudinal methods, missing data and causal inference are preferred. Strong preference will also be given to individuals who are highly motivated to work in pragmatic trials and/or AD/ADRD care.

Application:

To apply, please submit a CV and copies of two most relevant publications by email to heather.allore@yale.edu. Please include contact information for three references and in your cover letter, summarize your relevant research experience and indicate your interest in the research area as well as the date you will be available to begin. Applicants must have completed all PhD requirements prior to starting work. Scientific questions regarding this position should be directed to Dr. Allore at heather.allore@yale.edu, Dr. Monin at joan.monin@yale.edu or Dr. Gutman at roee_gutman@brown.edu. Applications will be considered as they arrive.