Post-Doctoral Fellowship in Biostatistics and Prevention Methodology
Department of Epidemiology & Public Health

Position Summary:
This is a unique 2-year fellowship to work with nationally renowned experts in biostatistics and prevention research who are conducting groundbreaking methodologic developments funded by the National Institutes of Health in the areas of mental health, drug abuse, and HIV prevention. This position will be under the direction of Dr. C. Hendricks Brown, Director of the Prevention Science and Methodology Group (PSMG) and Interim Director of the Prevention Science and Community Health Division within the Department of Epidemiology & Public Health at the University of Miami’s Miller School of Medicine. The Fellow will have unique opportunities to be trained in advanced methodology and prevention science, to co-author both methodologic and substantive papers, to submit grants, to teach advanced courses, and to accelerate his or her own academic and research career. Applications areas include preventive and treatment interventions on depression, suicide, drug abuse, and risky sexual behavior that are delivered through schools, families, communities, the internet, as well as longitudinal studies of community factors that affect health. Specific methodologic challenges for this fellow will involve mediation and moderation analyses applied to the collaborative synthesis of individual level data from multiple trials, complex growth and missing data modeling, designs and analyses on social networks, and methods for translational and implementation research. Training involves a range of theoretical and applied experiences, as well as working collaboratively on major grants funded by National Institutes of Health in areas including depression, suicide, drug abuse and obesity.

Principal Duties/Responsibilities:
- Analyze, interpret and present data from multiple, large clinical databases using advanced statistical methods and packages such as SAS, SPSS, R, M-Plus, SuperMix.
- Prepare results for peer-reviewed publications, co-author peer-reviewed papers, as well as prepare manuscripts as first author
- Collaborate with senior study methodologists and biostatisticians on planning and specifying novel statistical analyses
- Participate in biostatistics seminars, receive formal training in prevention and implementation sciences, and participate in other training and professional development experiences
- Other duties as assigned

Minimum Requirements:
- PhD in Biostatistics (or related field)
- Effective communication skills (both verbal and written)
- Proficiency with advanced statistical methods, including mixed effects, growth and multilevel models, and missing data procedures
- Proficiency with advanced statistical software and computing
- Experience with data management and organization of data
- Excellent organizational and intrapersonal skills, and ability to work collaboratively and independently

For further information please contact Dr. C. Hendricks Brown, chbrown@med.miami.edu