POST-DOCTORAL FELLOW in Epidemiology

An exciting opportunity exists to join the highly innovative, interdisciplinary Global Epidemiology and Biostatistics Group led by Prof. Edwin Michael at the University of Notre Dame in the Department of Biological Sciences and the Eck Institute for Global Health.

**Job description:** The successful candidate will have an interest in analyzing large-scale complex multi-level health data using advanced multivariate and mixed modeling methods, including hierarchical repeated measures for analyzing longitudinal data and incorporation of spatio-temporal methods for addressing disease variation and change within a geographic context. The overall project is to evaluate impacts of health intervention programs (e.g. multi-country HIV/AIDS, diabetes, child development, maternal health, Neglected Tropical Diseases, water and sanitation projects) and to use secondary data to investigate risk factors for disease and associations between diseases. The ability to use new statistical methods, particularly hierarchical, spatially-explicit Bayesian approaches, and knowledge of modern risk assessment methodology (e.g. Comparative Risk Assessment methods) will be advantageous. Candidates must be well versed in managing and manipulating large and complex health databases. Expertise in R and/or WinBUGS will be an added advantage.

The successful candidate should:
1) Have completed a PhD degree
2) Be willing to travel internationally to work with collaborators and partners in Africa, Asia and Latin America, as well as with partner institutions in the US (Catholic Relief Services), UK and in continental Europe
3) Have strong written and oral communication skills, including the ability to publish research
results and make scientific presentations

4) Be expected to contribute to and collaborate with faculty and students within the Departments of Biological Sciences, Applied and Computational Mathematics and Statistics, Computer Science and Engineering, and the Center for Research Computing

5) Demonstrated ability to work independently under minimal supervision, as well as within a team environment with a strong commitment to team-based processes and outcomes

Location: Notre Dame, Indiana, USA

Tenure: The position has funding available for 2 years in the first instance

Salary: Based on NIH guidelines for postdoctoral fellow salaries

ABOUT THE UNIVERSITY OF NOTRE DAME

The University of Notre Dame is committed to diversity (http://diversity.nd.edu/) in its staff, faculty, and student body. As such, we strongly encourage applications from members of minority groups, women, veterans, individuals with disabilities, and others who will enhance our community. The University of Notre Dame, an international Catholic research university, is an equal opportunity/affirmative action employer. Information on the Eck Institute for Global Health may be found at http://globalhealth.nd.edu

APPLICATION PROCESS

Qualified individuals should send in PDF format a cover letter, curriculum vitae, statement of research interest, and three letters of reference to the search committee chair, Dr. Edwin Michael at eigh@nd.edu. Files must be clearly named and identify the position you are applying for. There is no deadline for this position. Review of applications will begin upon receipt and continue until a suitable candidate is identified. For additional information about working at the University of Notre Dame and various benefits available to employees, please visit http://hr.nd.edu/why-nd/