Postdoctoral Research Associate in Environmental Epidemiology and Health Disparities

The Department of Preventive Medicine at the University of Southern California (USC) invites applications for a research associate position as part of a large national research program called Environmental influences on Child Health Outcomes (ECHO). The goal of ECHO is to capitalize on existing study populations to investigate environmental exposures on child health and development, with a particular focus on airways, obesity, neurodevelopment and pre-, peri- and postnatal health. The selected candidate is expected to participate in scientific activities including research to understand how maternal psychosocial stressors and environmental pollutants in pregnancy influence maternal and child health outcomes as part of the Maternal and Developmental Risks from Environmental and Social Stressors (MADRES) Center, whose pregnancy cohort is a part of ECHO. The MADRES Center, funded by the NIEHS, NIMHD and the EPA, is investigating the role of prenatal environmental exposures and social determinants of the development of childhood obesity as well as other metabolic and respiratory health outcomes in childhood. Areas of scientific investigation include the health effects of air pollutants and heavy metals, health effects of maternal stress across pregnancy, evaluation of biomarkers (such as cortisol), epigenomics, infant and child growth and adiposity. Interest in genomics, epigenomics, and genetic x environment interactions on child health is desired but not required.

The ability to work independently, to proactively seek guidance when needed and to generate his/her own line of research aligned with Center goals is essential. This is an opportunity to work with world-class investigators in the Department of Preventive Medicine at USC and the Southern California Environmental Health Sciences Center (SCEHSC), the MADRES Center, and collaborate nationally with other ECHO investigators.

Specific responsibilities will include the following:

- Generates scientific hypotheses and conducts data analysis from start to finish
- Works independently with minimal supervision
- Writes manuscripts of completed work
- Contribute intellectually to scientific goals

The applicant must have a PhD in epidemiology or biostatistics, or closely related field. The ideal applicant will have experience and interest in maternal and child health, metabolic health, and/or environmental exposures. Direct application link: https://usccareers.usc.edu/job/los-angeles/postdoctoral-research-associate/1209/9991286

You may also contact Breton@usc.edu for additional information.