Medical Social Sciences

Northwestern University Feinberg School of Medicine
Chicago, Illinois

Post-Doctorate Position: **Developmental Measurement Analyst –
Environmental Children's Health Outcomes (ECHO) Study**

Project Role

The Department of Medical Social Sciences (MSS), Feinberg School of Medicine, Northwestern University invites application for a post-doctorate candidate with strong skills in statistical or psychometric analysis.

This post-doc position is based in the MSS NIH-funded Environmental influences on Child Health Outcomes (ECHO) Person-Reported Outcomes Core (ECHO PRO; PIs David Cella and Richard Gershon). We are seeking an energetic and highly collaborative scientist who likes working in a fast-paced environment. Emphasis of the position will be on harmonizing and analyzing self/proxy-report and performance-based measures of a range of environmental exposures (social, built/physical, chemical) and pre-, peri-, and postnatal outcomes and positive health. This position will focus on psychometric validation and application across a wide variety of methodologies, including score-linking, age-linking, generation of short-forms, and developing harmonization protocols across a wide range of measures for the ECHO Consortium. The ECHO PRO Core serves as the Northwestern-based measurement hub for the ECHO consortium investigating the impact of environmental exposures on children's health across multiple cohorts, each with study-specific and consortium-wide measurement elements (https://echochildren.org).

The ECHO PRO Core integrates measurement experts across multiple exposure and developmental health domains to provide study-specific measurement guidance as well as leading development of the consortium common protocol. The Developmental Measurement Analyst will work closely with PRO Core domain leaders and ECHO investigators to orchestrate, facilitate, enable and support measurement activities of the Core. In particular, s/he will support activities of the ECHO-wide common protocol development, and the refining and validating of new and expanded measures for the consortium. Responsibilities include supporting efforts of the interdisciplinary child health domain leadership, serving as liaison to ECHO cohorts seeking measurement support in the child health domain including linkage to appropriate expertise, orchestrating and supporting Core activities focused on generating, refining and/or validating child health measures, creating written SOPs, manuals, protocols, working papers, technical-and progress reports and collaborating on related manuscripts, as well as ensuring timely deliverables.

Qualifications

The ideal candidate will have considerable quantitative expertise, with a masters or doctoral degree in statistics, quantitative psychology, measurement, education, developmental psychology or a related field and training/experience in team science. Expertise in multi-modal childhood assessment and its psychometric modeling, development, and early influences on health is optimal. A record of scholarly publication and a history of engagement in the conduct of developmental measurement science research are desirable. Strong organizational, problem-solving, writing and communication skills, capability to address day to day tasks and manage competing priorities independently, and collaborative orientation are required. Salary and rank will be commensurate with experience and credentials. This is a full time continuing position.

Interested applicants should contact:

Richard Gershon, Ph.D., c/o Magda Kupczyk
Department of Medical Social Sciences
Northwestern University, Feinberg School of Medicine
magdalena.kupczyk@northwestern.edu

Applications will be evaluated on a rolling basis until the position is filled. Send by e-mail the following: 1) a letter of interest including professional goals and areas of research interest; 2) a curriculum vita, and 3) representative reprints of publications or submitted manuscripts

In the subject line of the e-mail please include, "**Measurement Analyst – Post Doc ECHO**."

Final candidates will be interviewed by phone or in person and will be required to produce 4 letters of recommendation. For junior candidates, the work contract will be contingent upon receiving a letter from the masters or doctoral program's director stating that all requirements for the degree have been successfully completed.

About MSS

The Department provides a unique scientific home for applied researchers who integrate biomedical and social science approaches to improve health and health care delivery across the lifespan (www.mss.northwestern.edu). MSS provides rich resources for conducting research including a broad scientific portfolio with multiple, large scale datasets across the lifespan, biostatistical and health informatics cores, expertise in assessment methods and collaborative relationships across Northwestern's biomedical and life sciences campuses. In particular, MSS and its Center for Patient-Centered Outcomes within the Institute for Public Health & Medicine has an extensive array of funded research focused on patient-centered outcomes research, including outcomes measurement, psychometrics, quality of care, symptom management, and comparative effectiveness research.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women and minorities are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.