

UNIVERSITY OF PITTSBURGH

Pre-doctoral Fellowships in Reproductive, Perinatal, & Pediatric Epidemiology

The University of Pittsburgh is accepting applications for Pre-doctoral Fellowships within the Department of Epidemiology's Reproductive, Perinatal, & Pediatric Epidemiology Training Program, funded by a National Institutes of Health T32 National Research Service Award. Appointments provide tuition and stipend and require allocation of time between coursework, dissertation work, field experiences, and scholarly projects.

The Reproductive, Perinatal, and Pediatric Epidemiology Program aims to provide outstanding training to pre-doctoral students who are interested in better understanding the pattern, risk factors, and interventions that might improve reproductive, perinatal, and pediatric health. The program integrates solid epidemiologic training with didactic coursework and experiences in obstetrics, gynecology, neonatology, pediatrics, psychiatry, adolescent medicine and the basic sciences of genetics, molecular biology, and developmental biology. Pre-doctoral trainees will be mentored through an individually-designed program of studies, conduct of independent research, writing data-based papers for national presentation and peer review publication, and preparation for fellowship or scientific careers.

Specifically, students will: (1) Develop outstanding skills in epidemiology and biostatistics with particular emphasis on the application of methods needed to address important research questions in reproductive epidemiology; (2) Gain a better understanding of the pathophysiologic, genetic, behavioral, and environmental determinants of important diseases and disorders of pregnant women and children emphasizing normative reproductive and developmental physiology, as well as sub-clinical aberrations on the way to clinical onset of disease; (3) Emphasize the domains of exposure, such as infection/inflammation, environmental toxicants, nutrition, injury, mood, substance use/abuse, and genetic susceptibility (4) Emphasize the domains of and intersections between reproductive, perinatal, and pediatric outcomes such as fertility, preterm birth, growth restriction, fetal death, preeclampsia, and diseases of childhood and adolescence; (5) Integrate science across disciplines so as to develop cutting-edge approaches to the etiology, prevention, and treatment of diseases relating to pregnancy and childhood.

The successful candidate will have experience in the areas of reproductive, perinatal, and pediatric epidemiology and strong analytical and writing skills. Applicants are invited to submit a letter of interest and their curriculum vitae to:

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