



**Karolinska
Institutet**

Department of medical epidemiology
and biostatistics, MEB

The Department of Medical Epidemiology and Biostatistics (MEB) was established at the Karolinska Institutet in 1997 and employs approximately 160 individuals. MEB, which is under expansion, conducts research in etiologic, clinical, genetic and molecular epidemiology and in biostatistics. The department has extensive national and international collaboration. Researchers at the department are responsible for a number of large case-control and cohort studies.

Looking for exam work and/or graduate studies?

What is your cup of tea: violent crime, schizophrenia, or the development of behavior problems from childhood to adulthood?

We are looking for a number of potential PhD students/exam workers interested in collaboration with researchers studying how genes and environments contribute to human behavior and psychiatric disorder.

The research projects use data from twin cohorts, the Swedish Multi-Generation Register, and other national registers on inpatient health care and criminal convictions.

Overarching research questions include:

- Why and how does violent and sexual criminal offending run in families? How is the co-occurrence between psychiatric morbidity and criminal behavior mediated? - http://www.meb.ki.se/research/projects/langstrom_n/viol_crime_en.html
- How do genes and environments contribute to the development of schizophrenia, a disabling major mental illness? http://www.meb.ki.se/research/projects/hultman_c/family_studies_en.html
- How do brain structure and early environmental risk factors contribute to neurocognitive function in schizophrenia? http://www.meb.ki.se/research/projects/hultman_c/star_en.html
- How do behaviour problems develop from childhood to adulthood? http://www.meb.ki.se/research/projects/lichtenstein_p/tchad_en.html

Suitable backgrounds for these positions include an academic degree in psychology, biomedicine, criminology, or statistics. Active interest in genetics, human behavior and/or psychopathology, and statistics is required. Experience of computers is a requirement, and experience from statistical programs is helpful, but not necessary.

During the first six months, there may be possibilities for stipends and to participate in a research preparatory course in behavior genetics/psychiatric genetic epidemiology (the course will be held in Swedish). The course includes work in one of the above projects. After that period, it might be possible to continue as a graduate student.

For more information, please contact Professor Paul Lichtenstein, phone 08 52487424, e-mail paul.lichtenstein@ki.se, Associate professor Christina Hultman phone 08 52483893, e-mail christina.hultman@ki.se, or Associate professor Niklas Långström, 070 4254133, e-mail niklas.langstrom@ki.se.

Submit your application before October 31 to paul.lichtenstein@ki.se.