The department **Biometry and Data Management** (Chair: Prof. Dr. Iris Pigeot) is planning to fill the position of a

(Bio-)Statistician

Salary Scale 13 of the German public sector salary system (TV-L)

39.2 hours/week

The position starts as early as possible provided it receives administrative clearance. The contract is initially limited to 3 years.

As an epidemiological research institute, the **Leibniz Institute for Prevention Research and Epidemiology – BIPS** aims to identify causes of health problems and to develop new concepts for disease prevention. It is one of the most renowned epidemiological research institutes in Germany. It closely cooperates with various partners in Germany and abroad.

In a wide range of epidemiological studies (case-control, longitudinal, pharmacoepidemiological, genetic studies, etc.), the biometricians in the department of Biometry and Data Management provide the basis for the respective data analysis by applying up-to-date statistical methods, developing new methods for specific research questions and by providing a methods consultancy service.

Project description and responsibilities:

The job holder will work on a research project in pharmacovigilance led by BIPS in collaboration with WINEG (Wissenschaftliches Institut der TK für Nutzen und Effizienz im Gesundheitswesen) and IPT (Institute of Experimental and Clinical Pharmacology and Toxicology).

The main focus of the project/position is to develop innovative statistical methods for the identification of adverse drug events by exploiting analogies from statistical methods typically used in genetic epidemiology. The novel methods shall be applied to research questions in drug safety research to (1) avoid false-positive signals for drug risks, (2) identify rare drug risks, and (3) identify risk profiles of patients. The suitability of the newly developed methods will also be examined in a research study on new oral anticoagulants (NOAKs) in collaboration with the department Clinical Epidemiology. The German Pharmacoepidemiological Research Database (GePaRD), a long-term database that allows for the identification of rare risks of these substances in clinical practice, serves as data basis for these tasks. The project also aims to provide the developed tools in such a way that they can be easily adapted to other groups of drugs in the future.

Further duties will include writing reports and publications in English. The successful candidate will have the opportunity to pursue a PhD.

Requirements:

− Master's degree in (bio-)statistics, (bio-)mathematics, or a related discipline
− Sound knowledge in the field of statistics
− Interest in research on genetic epidemiology and pharmacoepidemiology
− Passion for scientific work
− Solid statistical programming skills, preferably in R, SAS
− Strong interest in interdisciplinary research, team spirit
− Good written and oral communication skills in English
− Knowledge in multiple testing, machine learning procedures, genetic epidemiology or pharmacoepidemiology is of advantage

We offer you a structured PhD program, a diverse range of activities, exciting and interdisciplinary research topics, a highly motivated and collegial team, a good infrastructure, and close links to a university environment.

Severely disabled applicants with essentially equal professional and personal qualification will be given priority. In October 2014, BIPS was awarded for its measures promoting the balance of work and personal life.

Enquiries to: Prof. Dr. Iris Pigeot, telephone: +49-(0)-421 / 218- 56942
Additional information can be found on our homepage: https://www.leibniz-bips.de/en.

Please send your application in English or German with the usual documents quoting the reference number
A 01/2017 by Feb 12, 2017 to

Leibniz-Institut für Präventionsforschung und Epidemiologie – BIPS GmbH
Personalverwaltung
Achterstraße 30
28359 Bremen

or by e-mail to Michaela Modde: modde@leibniz-bips.de

We kindly ask you not to submit any originals or folders, as we cannot return any applications for cost reasons. All supplied documents will be destroyed after the selection process.