

## **Research Position Statistics/Bioinformatics**

The Division Medical Biometry at the IMBEI Mainz, Germany invites applications for a research position (PhD or postdoc) in methodological research, with special emphasis on high-dimensional molecular data.

The position will be part of the Core Facility Bioinformatics at the University Medical Center Johannes Gutenberg University Mainz, Germany. The aim of this Core Facility is to provide state-of-the-art statistical and bioinformatical techniques for the analysis of high-dimensional molecular data from clinical and biological partners. While this also implies establishing of routine workflows, the focus of this position is on developing new techniques, as mandated by new molecular measurement platforms, such as high-throughput sequencing.

The Division Medical Biometry is part of the Institute of Medical Biostatistics, Epidemiology and Informatics (IMBEI), where a wide range of statistical, clinical and epidemiological research questions is addressed in close collaboration with clinical and biological partners from the University Medical Center. Thus, the successful applicant will be integrated into a strong and active group of scientists with expert knowledge in biostatistics and bioinformatical applications.

The candidate should

- have strong mathematical background, preferable in the area of statistics,
- have good programming skills in R, Matlab, C or similar,
- hold a university degree (MSc or equivalent, PhD) in statistics, mathematics or a related field.

The research area in question is highly competitive and requires high level of dedication and work ethics. Candidates should be able to work both independently and as part of a team, as well as be strongly motivated to pursue an academic career.

Not necessarily required but a plus would be

- a background in molecular biology and platforms such as microarrays,
- good knowledge and working experience with multivariate statistical methods,
- experience in techniques such as regularized estimation or boosting.

The appointment will be initially for 2 years, starting in 2012. Salary is according to TV-L depending on experience and qualification. Candidates must already be authorized to work in the EU. For further information, please contact Prof. Dr. Harald Binder ([binderh@uni-mainz.de](mailto:binderh@uni-mainz.de)).

Qualified women are explicitly encouraged to apply since the University Medical Center is committed to increasing its percentage of female employees.

The University Medical Center is committed to employing more handicapped individuals and especially encourages them to apply.

Applicants should submit a detailed curriculum vitae (including a list of publications), a list of two references (including their email addresses), and a statement on how their research interests fit the above topics to

Prof. Dr. Harald Binder  
Institute of Medical Biostatistics, Epidemiology and Informatics (IMBEI)  
Division Medical Biometry  
University Medical Center Johannes Gutenberg University Mainz  
Obere Zahlbacher Straße 69  
55131 Mainz  
Germany  
e-mail: [binderh@uni-mainz.de](mailto:binderh@uni-mainz.de)  
<http://www.imbei.de/>