

## **PhD Student Biostatistics**

The Brandenburg Medical School Theodor Fontane (MHB) is a state-recognized non-profit university under municipal sponsorship. It stands for innovative teaching concepts and the integration of research, student education and patient care. The newly founded Institute of Biostatistics and Registry Research (Dr. Michael Hauptmann) in Neuruppin concentrates on methodological and statistical research. The Institute also provides statistical expertise to clinicians and other investigators on diverse topics from all areas of clinical and epidemiological research.

We are recruiting a statistician with a mathematical background who has the ambition to develop new biostatistical methods for application in cancer research and to pursue a doctoral degree. Funded by the Dutch Cancer Society and in close collaboration with the Netherlands Cancer Institute in Amsterdam, the project aims to evaluate statistical methods to assess markers for personalized cancer treatment. Modifications of standard designs with an interaction between the treatment and the biomarker, including sampling of cases and non-cases for efficiency gains, will be developed, implemented and compared using simulation studies and data from several recent randomized clinical trials on breast cancer. The goal is to identify the best design and method for early predictive marker studies and to make the choice process and designs available to clinical researchers.

The project team includes the PhD student, the project leader (Dr. Michael Hauptmann), a senior statistician, a programmer and breast cancer oncologists from the Netherlands and Germany.

The position requires:

- A Master degree in (bio)statistics, mathematics, or physics, or equivalent qualifications
- Formal training in mathematical statistics
- Programming skills in software such as R, SAS, or STATA
- Strong command of the English language
- Start date between June and September 2019

The candidate will be employed for a period of 3 years. Remuneration is comparable to TV-L (85%).

Applications should be a single pdf document to [m.hauptmann@nki.nl](mailto:m.hauptmann@nki.nl) and include a letter of motivation describing your relevant experience in the areas mentioned as well as your CV. Please provide copies of relevant certificates of education. Applications will be reviewed starting early May and until the position is filled. For further information, please contact Dr. Michael Hauptmann at [m.hauptmann@nki.nl](mailto:m.hauptmann@nki.nl).