



numares AG, based in Regensburg develops and markets innovative diagnostic tests based on NMR metabolomics. Essentially, our tests consist of metabolic constellations that are characteristic of certain diseases. To find these, we apply machine learning to clinical study cohorts measured with our *AXINON*[®] NMR system. We have a successful commercial base especially in laboratories in the USA.

Biostatistician/ Data Scientist (m/f/d)

full-time, permanent

Description

As a member of the Biostatistics Department, the individual participates in the data analysis and biostatistics within the scope of developing in vitro diagnostic tests (IVD).

Key Responsibilities

- Statistical support in development projects within the scope of clinical studies
- Generating and evaluation of classification or regression models based on metabolomics data (predictive modeling)
- Data management and data processing of NMR and clinical data
- Method evaluation: planning of experiments and implementation of analysis
- Participation in study design (e.g. sample size determination, CRF design) and planning (statistical analysis plan)
- Diligent documentation and presentation of analysis results (R, knitr)
- Development of in-house data analysis tools in R
- Statistical support for various departments
- Participation in preparing results within the scope of talks or publications

About You

- Master's degree in (bio-)statistics, bioinformatics, mathematics, computer science or other related field, preferably with a Ph.D
- Theoretical and practical expertise in machine learning and statistics including regression and classification models (e.g. logistic regression and SVM), supervised learning techniques (e.g. feature selection, model evaluation), descriptive statistics and multivariate statistics (e.g. PCA and LDA)
- Experience in one of the following areas: semi-supervised learning, convolutional neural networks, unsupervised clustering, enrichment analysis, analysis of metabolomics data
- Proficiency using R and LaTeX
- Ability to work within a team and work independently

What We Offer

- We are proud to be a technology leader in Metabolomics-based diagnostic test development addressing important clinical needs
- Work with demanding statistical and machine learning approaches
- Exciting challenges associated with the participation in the product development and steady expansion of our test portfolio (e.g. cardiovascular diseases, oncology and nephrology)
- Small, young, dedicated and interdisciplinary team
- Vivid interaction with other departments in diverse projects
- Short decision-making processes
- Work in one of Germany's most beautiful historic city
- 30 days annual leave
- Flexible working-time model, Job-Ticket, free beverages and fruit, team and company events

Please send your application in English or in German, stating your earliest possible starting date and salary expectation to Ms. Floxie van der Sterren.