

Post Doc Biostatistic/Data Scientist (m/f), Location Penzberg

Who we are

At Roche, about 91,700 people in more than 100 countries are pushing back the frontiers of healthcare. Working together, we've become one of the world's leading research-focused healthcare groups. Our success is built on innovation, curiosity and diversity, and on seeing each other's differences as an advantage. To innovate healthcare, Roche has ambitious plans to keep learning and growing – and is seeking people who have the same goals for themselves.

The Position

We are seeking for a talented candidate with interest, high motivation and experience in biostatistics for a postdoctoral fellowship. The successful candidate will work within a diverse collaborative group in Roche Centralized and Point of Care Solutions. The department is part of the R&D unit with about 40 statisticians, data scientists and applied mathematicians plus a software development team of about 25 IT-specialists. We focus on the application and development of statistical methods for the evaluation of assay performance during development, operations, in external clinical studies, and in routine use by Roche Diagnostics professional customers.

The work of the department embraces the following aspects:

- Statistical tasks range from classical hypothesis testing to exploratory multivariate analysis and classification tasks.
- The design of clinical studies has a substantial impact on the cost and quality of the results. Often the clinical situation is complex and more than one design option is possible.
- Search for new markers and marker combinations for diagnosis, prognosis or monitoring of diseases with identified high unmet medical need.
- Support of the development of companion diagnostics assays to select patients for new treatments or to predict the effect of new treatments.
- For the design and evaluation of lab experiments, tasks range from signal processing to statistical process control. Ideally R packages are developed in a re-usable fashion and published at CRAN.
- We have a very large in-house data base with routine measurements. In this data base systematic effects need to be identified in front of a background of large and heterogeneously structured influencing factors.
- Finally you will be part of a highly motivated team having profound experience in the field and using state of the art equipment.

Due to time constraints in the daily routine work often scientifically interesting and valuable approaches to the afore-mentioned tasks could not be followed. As a postdoc you have the opportunity to investigate and contribute in one or more of the following topics:

- Study design: use of adaptive and other design options in clinical studies.
- New marker combinations: develop and/or apply new multivariate statistical methods for the detection of new marker combinations for the diagnosis of diseases.
- Statistical analysis: investigation of methodological alternatives and their implications as well as the adaptation of methods to specific clinical situations.
- Big data: identification and statistical modelling of systematic effects in complex observational data.
- Signal analysis: optimizing the generation of measurement results.

Who you are

You're someone who wants to influence your own development. You're looking for a company where you have the opportunity to pursue your interests across functions and geographies, and where a job title is not considered the final definition of who you are, but the starting point.

Do you meet the following requirements?

- You hold a PhD in the fields of statistics, mathematics or natural science.
- Profound knowledge in statistical methods is a must.
- You have experience in statistical software tools such as R, SAS, etc.
- You are well experienced in applying statistical methods for the planning, design and evaluation of clinical studies and lab experiments.
- You know how to evaluate big data and have excellent knowledge of data mining techniques.
- A good background in the life sciences and medicine are of advantage.
- You possess excellent spoken and written English skills; German is not mandatory.
- You repeatedly demonstrated your open personality and your effective communication skills.
- Working in a team is natural to you.
- Flexibility and capability to work independently is one of your strengths.
- Highly advanced planning and organization skills complete your profile.
- You are a pro-active individual with passion and commitment to innovate healthcare through our Roche Diagnostics Postdoc Program.

This position is fixed termed to 2 years.

We are looking forward to your application!

Job Id. No.: 3243963159

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