In your role as a Post Doc you investigate and evaluate how best real world data can be leveraged into clinical trials in the framework of trial emulation/external control and Bayesian borrowing. You collaborate with statistical experts both from the BDS and the Epidemiology department. You define strategies for the evaluations and investigations. To publish on your results in scientific journals as well as networking with academia is a key component of your role. This is also ensured by an active participation in our vibrating network of students and student projects.

This position will be located at one of our German sites (Biberach/Riss or Ingelheim).

Post Doc – Statistical Methodology for Real-World Evidence in Clinical Development (235741)

Requirements

• PhD degree in Pharmacoepidemiology/Mathematics/Statistics or related field
• Knowledge in pharmacoepidemiology approaches like study design, confounding minimization methods (e.g., propensity score, instrumental variables, negative control outcomes), quantitative bias analysis, and causal inference
• Know-how on external control, target trial emulation, or/and Bayesian borrowing
• Hand-on experiences analyzing RWD, e.g., EHR, claims data or registry data is a plus
• Proficiency in Python, R, Stan or SQL
• Demonstrated track record of authoring publications in scientific journals
• Excellent interpersonal skills, ability to interact effectively with people, internally and externally
• Fluency in English (written and spoken)

Tasks & responsibilities

• In your new role you will identify, develop, and evaluate real world data pharmacoepidemiology methods to enhance RWD integration to clinical trials. Your investigations will lead to ready-to-use software, graphical user interfaces, technical reports, and publications in collaboration with multiple stakeholders within and outside of BI.
• You will contribute to the development of modelling and simulation approaches for critical decision making in clinical development based on RWD. For example, RWE in trial planning, sample size planning, probability of success, external control, and adaptive design.
• The supervision of students (master’s and bachelor’s level) on real world evidence methods leading to internship reports, theses, and related software will be part of your new job.
• You will be networking with related academic institutions.
• The presentation of your results at internal and external meetings and publication in peer-reviewed journals will be one of your key tasks.
• In addition, you will provision of trainings on basic and advanced RWE methods to statistics and non-statistics colleagues within BI.
• You will collaborate with experts in the field and be part of the Statistics team at BI.

READY TO CONTACT US?

Please contact our Recruiting Team, Tel: +49 (0) 6132 77-173173

We look forward to receiving your online application! Grow with us: www.boehringer-ingelheim.de/karriere