Expert or Senior Principal Safety Statistician (SF:398)

Biostatistics and Data Sciences (BDS) is a global organization with more than 400 employees within the Human Pharma Business Unit. Working in close collaboration with other functions at Boehringer Ingelheim (BI) and external vendors we combine methodological and technical data science skills with business and scientific expertise to drive smart, timely and confident decision making at every stage of drug development, approval, and access.

On our journey to transform BDS into a modern data science organization in clinical development capable to thrive in a world of rapid and continuous change we are looking to further enhance our footprint in pharmacovigilance. The Safety Statistician will identify state-of-the-art techniques and develop innovative solutions for the analysis of safety data and support clinical development teams in applying them. Therefore, we are looking for a Safety Statistician who has in-depth expertise of methodologies to analyze safety data and is developing as well as promoting innovative statistical solutions for challenges related to the assessment of safety data during clinical development.

In your role of a Safety Statistician, you act across the whole product portfolio in both supporting that clinical development teams choose appropriate analysis techniques for safety data in their projects in a systematic way as well as initiating and promoting the implementation of innovative statistical analysis methods for objectives related to safety. In collaboration with our therapeutic area statisticians and methodology statisticians you develop and contribute to the global BDS safety analysis strategy from a data science/statistical methodological perspective. You consult with clinical development teams to support the implementation of these strategies. Close collaboration with the respective non-BDS departments (e.g. Global Patient Safety & Pharmacovigilance, Medicine) is a key factor for the success of your work.

Tasks & Responsibilities:

- Act as a Safety Statistician and statistical advisor for all aspects related to safety analyses. Ensure systematic approaches to analyze safety data across the company and act as a statistical advisor for statistical topics related to safety analysis, e.g., meta-analysis, methods to adjust for variable follow-up, signal detection and validation or Bayesian borrowing for safety data, visualization and data story telling regarding safety aspects.
- Support the Clinical Development teams in safety related tasks. For example, act as a consultant regarding pooling of trials, method for signal detection or the application of innovative statistical methods.
- Drive statistical/methodological innovation with respect to safety analysis in collaboration with other BDS functions on. For example, methods to include external data and Bayesian borrowing, safety prediction and methods to account for variable follow-up time.
- Promote the use of such methods and strategies and support clinical development teams in the implementation of these strategies.
- Plan and perform in-house BDS training to raise awareness of utilizing different methods for safety analysis in clinical development.
- Ensures that BDS safety strategies are aligned with other experts from the related departments in particular with Global Patient Safety & Pharmacovigilance. Initiate cross-department collaborations in safety related topics.
- In collaboration with TA statisticians and methodology statisticians train and mentor other colleagues regarding the statistical aspects of topics related to safety analysis.
- Identify upcoming trends and requirements in the areas mentioned above and lead their implementation.
**Additional tasks and responsibilities as Expert:**

- Identify and conceptualize training needs for statisticians and non-statisticians
- Initiate, lead or contribute to cross-functional BI internal working-groups or lead cross-functional human pharma internal working-groups and drive/plan relevant statistical aspects. Lead or contribute to external working groups.
- Identify and initiate trends in data science and in particular statistics within and outside BI.

**Requirements:**

- PhD or Master’s degree in Statistics or Mathematics or related field (pharmacoepidemiology, Data Science, Health Economics, etc.). At least seven years of experience as a statistician or data scientist. Working experience might be compensated by broad and deep topic-specific knowledge with respect to methods related to safety analysis.
- Experience as project statistician and have advanced knowledge of clinical development and the analysis of safety data (including medical affairs and market access). Experience of working within a pharmaceutical company or a CRO is a plus.
- In-depth knowledge of statistical methodology related to one of the key areas e.g., meta-analysis, methods to adjust for variable follow-up, signal detection and validation, Bayesian borrowing for safety data.
- In-depth knowledge on the non-statistical aspects of safety data in clinical development.
- Proficiency in the use of a statistical software language (e.g. R or SAS) to implement statistical concepts.
- Good interpersonal skills, ability to interact effectively with people, internally and externally.
- Experience in working in/with agile teams and/or as a product owner is a plus. Knowledge in advanced concepts regarding data visualization and data storytelling is a plus.
- Fluency in written and spoken English

**Additional requirements for Expert:**

- At least ten years of experience as a statistician or data scientist in an area relevant for the specific role. Working experience might be partially compensated by broad and deep topic-specific knowledge with respect to statistical methodology.
- Distinguished knowledge of related statistical methodology and non-statistical aspects.

**What we offer:**

We offer challenging work in a respectful and friendly global working environment surrounded by a world of innovation driven mindsets and practices. This position is representing a unique mix between area expertise, statistical methodology and supporting practical application in clinical development teams. Learning and development for all employees is key because your growth is our growth. We also offer a competitive salary, generous amount of vacation time, and numerous benefits towards your wellness & financial health and work-life balance. Plus, an onsite gym (Ingelheim), in-house doctor and best-in-class cafeterias and coffee bars to keep you energized and healthy.

**Recruitment process:**

- **Step 1:** Online application - application deadline 25th of July, 2023.
- **Step 2:** Virtual meeting in the period of mid August
- **Step 3:** On-site interviews end August / beginning of September

**WHY BOEHRINGER INGELHEIM?**

*This is where you can grow, collaborate, innovate and improve lives.*

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Want to learn more about us? Visit [https://www.boehringer-ingelheim.com/](https://www.boehringer-ingelheim.com/)
Boehringer Ingelheim is an equal opportunity global employer who takes pride in maintaining a diverse and inclusive culture. We embrace diversity of perspectives and strive for an inclusive environment, which benefits our employees, patients and communities. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity or national origin.

READY TO CONTACT US?

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