

To strengthen our team, we are looking for an enthusiastic and skilled

Pharmacometrician (junior/senior)– v20220104

Responsibilities

- Develop, validate and apply **Physiology-based Pharmacokinetic (PBPK) models** to address research questions and support decisions related to various stages of discovery and (pre)clinical drug development:
 - **Build** PBPK models from physicochemical information, results from *in vitro* experiments (partially done in the BioNotus lab) and available literature
 - **Refine** PBPK models by parameter estimation based on published concentration time courses/exposure metrics
 - **Extend** PBPK models with customized compartments (e.g. tumor, milk, skin, foetus)
 - **Perform *in silico* DDI studies and predict FIH doses** based on extrapolation from *in silico* and animal experiments
 - **Predict doses** in special populations, pediatric doses/support pediatric investigation protocols (PIPs)
 - **Report** PBPK modeling (presentations to customer, modeling reports)
 - **Collaborate** with the bioanalysis team (identify knowledge gaps amenable to information from *in vitro* experiments)
- Maintain **efficient communication to customers** regarding milestones and progress of ongoing projects.
- Ensure swift and reliable processes for **data storage, data integrity, and overall information flow**. This means implementation of a framework for an **auditable workflow**.
- Collaborate efficiently within the BioNotus network, primarily with partners in the broader field of pharmacometrics, while maintaining **competitive know-how** in the field of PBPK modelling.
- Show keen interest in evolutions and **current trends in the Life sciences arena**, in particular in the broader field of **pharmacometrics (popPK, PKPD, NCA)**.
- Contribute to a **strategic company vision** regarding the expansion of BioNotus' PMX portfolio.

Education, work experience and requirements

- **Msc or PhD (preferred) in Pharmaceutical Sciences, (Bio)Engineering, (Bio)Medical Sciences, Chemistry, Physics, or previous experience providing the knowledge and skills to perform the job.**
- **2+ years work experience** in an academic or corporate environment (preferably in clinical pharmacology, pharmacometrics and/or related fields).
- **Scientific skills:**
 - Solid understanding of pharmacology + physiology relevant to PBPK modeling
 - Proven skills in PBPK modeling (testimonials, publications)
 - Working knowledge of the regulatory environment relevant to PBPK (FDA/EMA guidelines)
 - Proficiency in PBPK tools, preferably the open systems pharmacology suite (PK-Sim + MoBi), <https://www.open-systems-pharmacology.org/>
 - R skills are desirable, especially in lieu of the open systems pharmacology R-package
 - Optional experience and interest in other pharmacometric disciplines (e.g. NLME, NCA)
- **Project management skills:**
 - Solid judgment in complex situations and ability to adapt to changing business needs by (re)prioritizing multiple tasks
 - Taking personal accountability for timely delivery of high quality results
- **Communication and interpersonal skills:**
 - Ability to function in a multi-disciplinary and culturally diverse team
 - Excellent oral and written communication skills
 - English mandatory, Dutch desirable
- **Problem-solving attitude, proactive and quantitative, analytical mind-set.**
- Familiar with GxP guidelines, and with **FDA/EMA/ICH guidelines** relevant to the field of pharmacometrics.
- Ensure that project activities are in line with internal and external guidelines.
- Experience in other relevant pharmaceutical environments (R&D, quality assurance...) is an asset.

Working Conditions

- Office space is foreseen in incubator Darwin, where also the BioNotus laboratory and several other young companies are located.
- Opportunity to actively participate in and represent BioNotus at PMX conferences

Your application

BioNotus provides a competitive salary and the unique career perspectives associated with a growing company. We offer a **unique and highly innovative working environment** with specific attention for **personal development** and excellent fit within the BioNotus family. Care for people as well as passion and drive towards scientific progress with maximum respect for the environment belong to BioNotus' values.

To apply, send your CV and letter of motivation to Johan Van Daele ([johan.vandaele\[at\]bionotus.com](mailto:johan.vandaele@bionotus.com))