

## **Position open for Pharmacokinetics / Pharmacology Expert**

BSIM<sup>2</sup>, a venture-backed biotech company, is recruiting an outstanding individual to fulfil the role of Pharmacokinetics/Pharmacology expert. The successful applicant will work closely with senior management and will be deeply involved in the development of BSIM<sup>2</sup>'s therapeutic solutions against Familial Amyloid Polyneuropathy.

We are looking for a highly driven individual with an entrepreneurial spirit and the ability to work with small groups of experts in complex problems. Applicants should have a PhD degree in the field of Pharmaceutical Sciences (or similar fields) and relevant PhD-level research in drug metabolism and pharmacokinetics (DMPK). Preference will be given to candidates showing high fluency in 1) the language of functional organic groups and medicinal chemistry and 2) the utilization of computational methods for DMPK modelling and prediction.

Compensation will be competitive in the Portuguese context, and may include a performance-based variable component. Candidates should be ready and willing to work in a start-up environment.

**Scientific Field:** Pharmacokinetics / Pharmacology

### **Technical and scientific requirements**

- Experience in pharmacokinetics in academic or industrial environments;
- Experience in tuning and validation of structure-activity/property relationships (SAR/SPR) models based on multiple molecular descriptors. Preference will be given to applicants with experience in the use of modern machine learning methods to develop DMPK models;
- Experience with reference pharmacokinetics modelling software packages (e.g. WinNolin, Phoenix, etc.);
- Familiarity with the study of protein-ligand interactions in the context of the chemical optimization of lead compounds will be valued;
- Industry experience in the field of Pharmacology will be highly valued;
- Good communication skills in English are mandatory.

### **Work plan**

The researcher will be integrated in the BSIM<sup>2</sup>'s team developing therapeutic solutions against Familial Amyloid Polyneuropathy (FAP), and will be responsible for 1) modeling and predicting DMPK properties of compounds belonging to distinct lead series, 2) suggesting feasible chemical modifications to eschew DMPK problems or achieve the specified target-product profile (e.g. peripheral versus CNS activity), 3) interpreting the results of experimental DMPK studies in animal models, while using those results to predict the behavior of compounds in humans.

### **Selection methods**

Candidates will be assessed through analysis of their CV, training, experience and career path in the area, and those matching the desired profile will be invited for an interview.

### **Deadline and method for submission of applications**

**Hiring will occur during the first semester of 2017.**

Applications must include CV, a motivation letter, names of 3 referees and copy of academic certificates, and be submitted by email to [info@bsimsquare.com](mailto:info@bsimsquare.com) – with the reference "BSIM-DMPK-2017-01".