

Scientist Systems Biology (100%)

Systems Biology for Rational Drug Discovery

Company Overview

InterAx Biotech AG is a rapidly growing Swiss Biotech company based in Villigen. We are a friendly and dynamic interdisciplinary team fully committed to the discovery of functional selective therapeutics for G protein-coupled receptors (GPCRs). The company has built a unique drug discovery platform for identification of superior drug candidates. This technology allows for the integration of both, experimental and computational pharmacology, and is able to predict in vivo effects of drug candidates by analyzing complex experimental in vitro data sets. We are currently offering a position for a scientist in the field of Systems Biology.

You are a highly motivated, fully committed scientist with a **strong interdisciplinary profile in biology, mathematics and computer science**. You enjoy working in an international and interdisciplinary environment. You are energetic, flexible, result-oriented, and like working in a young and dynamic team. InterAx is an equal opportunities employer.

Your tasks

- Develop mathematical models of G protein-coupled receptor (GPCR) signaling focusing on the temporal aspects of ligand-receptor interactions and their implications on signaling and trafficking
- Integrate and optimize the models with in-house generated kinetic experimental data
- Analyze model simulations in combination with compound databases to correlate SAR with in vivo effects

Requirements

For this position, you qualify with a PhD in Computer Science, Mathematics, or Computational Biology with a minimum of 2 years post-doc experience, preferentially in the pharmaceutical/biotech industry.

- Strong background in modelling of dynamic biochemical networks and computational biology
- Experience with numerical simulations of ordinary differential equations
- Experience with statistics and optimization techniques
- Experience in machine learning
- You have a strong publication record in the field of systems biology
- You are a proactive person, team oriented and have a great attention to detail
- You need excellent communication skills and fluency in English

Contact InterAx

If you are interested to join a friendly and dynamic team in a rapidly growing start-up, in which your contribution is essential and highly valued, please send your application including CV, motivation letter and references to Dr. Aurélien Rizk, recruiting [at] interaxbiotech.com.

Deadline: 15th of March 2019