

Scientist Systems Biology (100%)

Computational Systems Biology for Rational Drug Design

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 builds on its unique Experimental and Computational Pharmacology platform to discover the next life-changing therapeutics. 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 and optimize approaches for parameterization of reaction networks and parameter uncertainty estimation
- 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.

- 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
- 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

Other information

Applicants must be able to demonstrate proof of the right to work in Switzerland.
Strictly, no agencies.

Contact InterAx

If you are interested to join an inspirational and successful 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 **recruiting[at]interaxbiotech.com**. Please use the following reference in the email subject: **#2019018**.

The closing date for applications is 30th of September 2019. Starting date as soon as possible, no later than January 2020.