

Alacris Theranostics GmbH develops new approaches in **personalised medicine** (diagnosis, treatment, pharmacological research) **for cancer patients** employing next generation sequencing, bioinformatics and systems biology techniques. Alacris' strong R&D business program is focused on systems biology modelling of cancer, for prediction of disease signalling and drug action in individual patients. We work together with cancer clinics, leaders in the IT field and the pharmaceutical industry on a spectrum of commercial projects and national/international research activities.

We invite applications for a

## **Mathematician / Bioinformatician for Systems Biology**

**You will** have the opportunity to contribute to transformative projects in the fields of Personalised Medicine and Systems Biology, as part of an international and interdisciplinary team. You will work on the development of systems biology models and the integration of omics (e.g. exome/whole genome, RNA-seq, proteomics) and clinical data for the development of mathematical cancer models, using Alacris' unique ModCell™ platform. Tasks include the development and optimization of mathematical models, the analysis of large omics data sets, and the implementation of software for systems medicine.

**We are looking for** a dedicated and motivated team player with a MSc/PhD in Bioinformatics / Applied Mathematics / Systems Biology or equivalent experience in a related field. The ideal candidate would have a strong background in Applied Mathematics (Numerical Analysis, Optimization, Statistics) and programming (Python, C/C++, R), with solid experience in ODE-based modelling of dynamical systems and optimization of large-scale problems. Proven experience in the analysis of large omics datasets as well as a genuine interest in data analysis/integration and the development of complex biological network models would be beneficial. Good communication skills and fluency in English is required.

**We offer** a rewarding and challenging position as part of an innovative company located within the dynamic city of Berlin. The successful candidate can expect a competitive salary and a stimulating working environment. Starting immediately, the appointment will be made initially for two years, with the possibility of extension.

**How to Apply?** Applications, including CV, a detailed description of previous research experience and interests, publication list, plus the contact details of at least three referees (who are directly acquainted with your research and work), should be submitted to [career@alacris.de](mailto:career@alacris.de) as a single PDF file, citing reference **ALA-SysMed-052018**.

The closing date for applications is **May 21<sup>st</sup>, 2018**.