AELIAN

At Aelian Biotechnology, we combine two of the most powerful technologies in modern biology: CRISPR screening and single-cell sequencing. We strive to identify critical genes and pathways driving disease states or provide unique insights into the mechanism of action of drugs. Our company culture is fast-paced and collaborative with a strong commitment to excellent science. We are looking for people who are passionate about our mission and who genuinely care about delivering superior scientific work.

We are currently opening a full-time **Bioinformatician (m/f/d)** position.

Required skills
- Master's level degree in informatics / computer science, mathematics, or similar.
- Experience with bioinformatics work from academia (Ph.D. or postdoc) or equivalent experience from industry.
- Good coding skills, knowledge of R or Python languages, ideally both.
- Bash scripting and strong knowledge of UNIX-based environments sufficient for routine daily use.
- Experience with large multi-dimensional datasets and good knowledge of statistical methods used in their analysis.
- Background in molecular biology. Good understanding of genome structure and the principles of gene expression and its regulation. Good theoretical understanding of high-throughput DNA sequencing and common laboratory techniques.

We offer work in a young collective on fast-developing projects in cutting-edge biotechnology. The work will comprise mostly data science and development.
Typical tasks include:
- Applying both existing and newly developed tools to process large datasets obtained using high-throughput technologies like single-cell RNA sequencing.
- Statistically analyzing, interpreting and visualizing the results.
- Designing methods to process and interpret data originating from novel types of experiments.
- Close collaboration with the bioinformatics team – mutual training and supervision.
- Close collaboration with wet lab biologists – presenting and consulting insights learnt from the data, assisting the design and planning of high-throughput experiments.
- Gathering data from public and internal sources and utilizing machine learning methods to mine large datasets for information.

The candidate should be keen to practice constant self-learning in a wide spectrum of domains and work in a rapidly evolving environment. As we are an international team, our daily communication is in English.

If you would like to be part of our company, please send your application (including CV and a cover letter) to Dr. Adam Krejci (jobs@aelian.bio) no later than January 15, 2022.