



**Targenomix is a research-focused company based in the metropolitan region of Berlin, Germany, with core expertise in computational and systems biology. Starting as a spin-off from the Max-Planck Institute of Plant Physiology 10 years ago, since 2022 we are part of the Bayer-Family driving research with innovation, passion, and commitment to solve challenges in crop protection and to deliver outstanding agricultural products.**

**Our core mission is to pioneer systems biology and drug discovery using omics data and AI to deliver safe and sustainable crop protection products.**

## **Bioinformatician/ Computational Biologist (m/f/d)**

At targenomix you have the unique opportunity to be part of cutting-edge projects in a highly skilled, motivated, and dedicated team.

In this position you will join an interdisciplinary team composed of molecular biologists, domain experts in plant physiology, mass-spectrometry and omics-data analysts, as well as machine-learning experts. You will work in close collaboration with different members of other Bayer entities and academic institutions.

### **YOUR TASKS AND RESPONSIBILITIES**

Develop, implement, and maintain bioinformatics pipelines to analyze and interpret omics-data in order to drive mechanistic insights leading to the development of safe plant protection products:

- Optimize and develop omics data (transcriptomics, metabolomics, proteomics) analysis workflows
- Leverage (un-) supervised machine learning approaches to discover biologically relevant patterns associated with Modes-of-Actions, and Toxicity endpoints
- Utilize multivariate statistics, data visualization techniques to analyze and interpret complex biological data
- Independently plan, analyze, interpret your data, develop best practices, and define data-analysis workflows
- Communicate and report findings, results, analyses, and future direction to project partners, participate in the design and execution of experiments, data analysis, and the dissemination of results.
- Actively collaborate within the systems biology and omics teams at targenomix and within global communities within Bayer
- Participate in project meetings and active scientific exchange with internal and external scientific communities.

## WHO YOU ARE

Education:

- PhD in bioinformatics, computational biology, data science, or related disciplines

Skills:

- Minimum 1 year of experience in academic, pharmaceutical, or biotechnology settings
- Programming skills in R and/or Python
- Familiar with visualization of high dimensional data
- Utilize (un-) supervised machine learning techniques to analyze and interpret complex biological data
- Experience in high throughput omics data analysis
- Good understanding of the underlying biological system and interest in interpreting the data in its biological context
- English verbal and written communication skills and collaborative spirit
- You are a team player as you will work in a young and professional team with a highly diverse scientific background. Therefore, good interpersonal skills along with a cooperative work attitude and a high degree of motivation are essential.

## POSITION HIGHLIGHTS

- Career Growth: This role is designed as a stepping stone – your career development will be guided by our senior experts in alignment with your career aspirations.
- Professional Development: We provide development potential for both junior as well as senior bioinformaticians. Depending on your skill set you will be mentored by a senior expert at targenomix to expand your expertise in relevant systems biology areas as well as data science.
- Collaborative Environment: Work within a team that values cross-disciplinary collaboration, sharing ideas, and pushing the boundaries of knowledge.

## YOUR APPLICATION

Are you looking for a new challenge where you can show your passion for data science and omics data? Are you interested in working as part of targenomix team and interact with domain experts to advance systems biology to the next level? Then send us your application including CV and references by email to [job1312@targenomix.com](mailto:job1312@targenomix.com).

The application deadline is the 31st of December 2023.

The position is a fixed-term two years employment with the option of permanency.

Targenomix welcomes applications from all individuals, regardless of race, national origin, gender, age, physical characteristics, social origin, disability, union membership, religion, family status, pregnancy, sexual orientation, gender identity, gender expression or any unlawful criterion under applicable law. We are committed to treating all applicants fairly and avoiding discrimination.



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