

## Computational Biologist (m/f/d)

### Description

At Bayer we're visionaries, driven to solve the world's toughest challenges and striving for a world where 'Health for all, Hunger for none' is no longer a dream, but a real possibility. We're doing it with energy, curiosity and sheer dedication, always learning from unique perspectives of those around us, expanding our thinking, growing our capabilities and redefining 'impossible'. There are so many reasons to join us. If you're hungry to build a varied and meaningful career in a community of brilliant and diverse minds to make a real difference, there's only one choice.

Computational Biologist (m/f/d)

### Hiring organization

Candidate-1st

### Employment Type

Full-time

### Beginning of employment

asap

### Job Location

Basel, Basel-City, CH

### Working Hours

40

### Base Salary

euro EUR 57K - 106K \*

### Date posted

June 2, 2024

### JOB PURPOSE

Join passionate colleagues in Bayer's Research & Early Development Oncology who are inventing the next wave of cancer medicines! As part of our substantial build up of Bayer's oncology research presence in Basel, we are seeking a Computational Biologist to harness the power of multi-omics data. Your role will be to synthesize biological insights that guide therapeutic hypotheses and stage-gate decisions for the oncology portfolio. This is your opportunity to help shape our next corporate culture of Dynamic Shared Ownership in empowered global teams.

### YOUR TASKS & RESPONSIBILITIES

- Evaluate and contextualize the molecular evidence supporting a therapeutic hypothesis with relevant internal and external multi-omics data (DNA, RNA, CRISPR, ChIP-seq, methylation, and proteomics)
- Design, execute, and interpret complex quantitative analyses to address precision drug development criteria. Examples of precision drug development criteria include RAISE dimensions, translational science strategy, proof-of-mechanism, and lifecycle management
- Contribute to Product Team scientific strategy and prosecution of critical path objectives, such as the identification of novel targets, biomarkers, or patient selection hypotheses. These contributions use state-of-the-art computational biology methods to analyze large and complex data sets
- Deliver biological insights on therapeutic assets and disease biology understanding to Product Teams, who apply these insights towards stage-gate decisions, portfolio prioritization, and/or submissions to Health Authorities
- Educate Product Teams on innovations in disease understanding,

especially molecular mechanisms of tumor vulnerabilities that may represent unmet medical need

- Develop, evaluate, implement, and apply Best Practices for the execution and validity of quantitative analyses, integration, visualizations, and interpretation of multi-omics data. Demonstrate a growth mindset towards updating Best Practices with the emergence of new experimental or computational technologies
- Build cross-functional relationships to collaboratively partner across Pharma R&D and effectively network within disease understanding and data science communities of experts

## WHO YOU ARE

- Bachelors degree with 8+ years of post-graduation experience or Masters degree with 5+ years of post-graduation experience or PhD degree with 3+ years of post-graduation experience in Sciences (Bioinformatics, Computational Biology, Biology, Chemistry, Genetics, Computer Science, Informatics, or other related quantitative discipline) with very strong computational focus
- Demonstrated experience in portfolio value creation through application of domain knowledge, such as: identification of novel targets; evaluation of clinical biomarkers; delivery of quantitative analyses and insights that influence stage-gate decisions
- Demonstrated experience in statistical analysis of DNA-seq, RNA-seq, proteomics, single-cell, or imaging datasets with proficiency in a programming environment (such as R or Python)
- Demonstrated peer-reviewed publications in computational biology
- Expert level of proficiency to choose fit-for-purpose quantitative analyses
- Strong analytical thinking and scientific rigor
- Strong communication competencies to include presentations and delivery of complex quantitative analyses in a clear, concise, and actionable manner to broad audiences and key stakeholders across multiple functions or to external partners
- Learning agility, highly self-motivated, with an aspiration of continuous improvement of oneself and others
- Fluent in English is a must, any other languages is a plus

## YOUR APPLICATION

Bayer 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.

Bayer is committed to providing barrier-free access and support-facilities for individuals with disabilities – during the application process and beyond. Applicants with disabilities are encouraged to request any support / equipment they may need via the contact information below.

Location:

Switzerland : Basel-City : Basel

Division:

Pharmaceuticals

Reference Code:

818525

### **How the process will look like**

Your teammates will gather all requirements within our organization. Then, once priority has been discussed, you will decide as a team on the best solutions and architecture to meet these needs. In continuous increments and continuous communication between the team and stakeholders, you're part of making data play an even more important (and understood) part withing Brand New Day.

### **Job Benefits**

EUR 57K – 106K \*