



Bioinformatician - Nextflow Developer (m/w/d; E13 TV-L)

About the position

The Quantitative Biology Center (QBiC) is a bioinformatics core facility at the Eberhard Karls University Tübingen, one of eleven German universities distinguished as excellent under the German government's initiative. We support researchers at the University of Tübingen and across Germany by providing Next Generation Sequencing and Mass Spectrometry data analysis and management through collaborations and service projects.

The aim of this position is to develop nf-core pipelines (<https://nf-co.re/>) essential for standard bioinformatic analyses, deployed at QBiC and accessible to the broader bioinformatics community. Particular emphasis will be placed on workflows relevant to immunology.

We are currently seeking a **Bioinformatician - Nextflow Developer** to join our Research and Development in Data Science (RDDS) team:

- Fixed-term position for 3 years (TVL E-13)
- Full time or part-time employment is possible
- Earliest start date: January 2025

Your role

- Developing and maintaining nf-core pipelines deployed at QBiC, with a particular focus on computational immunology workflows.
- Collaborating with multi-disciplinary teams (pipeline developers and users) to create new bioinformatics solutions.
- Extending existing workflows with state-of-the-art or emerging analysis methods.
- Ensuring data analysis workflows adhere to the latest nf-core standards and the FAIR data principles.
- Implementing workflow-specific testing and benchmarking frameworks to ensure reliable and optimal results from our analysis workflows.
- Researching existing bioinformatics methods.
- Providing bioinformatics support within QBiC.

Your profile

- The ideal candidate will hold an MSc or PhD in Bioinformatics, Biotechnology, or other Life Sciences with previous NGS data analysis experience.



- Proficiency in programming is required (e.g. R, Python).
- Experience with working in a Linux/Unix environment is required.
- Previous experience with workflow management systems (e.g. Nextflow, Snakemake) and NGS data analysis is a strong plus.
- Experience with HPC clusters, cloud computing and container engines will be beneficial but are not required as training opportunities are provided.
- Excellent communication skills and a collaborative mindset.
- Enthusiasm and a commitment to research.

What do we offer?

- Working in an interdisciplinary and international team of researchers.
- Participation in exciting projects that apply a variety of methods for omics data analyses.
- Being part of the nf-core and Nextflow communities for collaborative, peer-reviewed, best-practice bioinformatics pipelines.
- Participating in international hackathons and meetings to improve our analysis methods.
- A collegial work atmosphere.
- Training opportunities in Nextflow workflow language, cloud and HPC computing, FAIR data analysis.

Are you up to the challenge?

Please send a motivation letter and curriculum vitae as one PDF via e-mail to Katrin Leichtle (katrin.leichtle@qbic.uni-tuebingen.de). The **deadline for applications is October 24th, 2024**.

Equally qualified applicants with disabilities will be given preference in the hiring process. The university is committed to equal opportunities and diversity. Women are expressly encouraged to apply. The employment will be carried out by the central administration of the University of Tübingen.