



Postdoc position (f/m/x) in Computational Biology

Collaborative Research Center Predictability in Evolution and Institute for Biological Physics

We are one of the largest and oldest universities in Europe and one of the most important employers in our region. Our broad range of subjects, the dynamic development of our main research areas and our central location in Cologne make us attractive for students and researchers from around the world. We offer a wide range of career opportunities in science, technology, and administration.

The Collaborative Research Center Predictability in Evolution is a leading consortium in experimental and theoretical studies of evolutionary processes. We focus on fast evolution in microbial, viral, cancer, and immune systems, which have a wide range of biomedical applications. At the University of Cologne and its partner institutions, the DFG-funded Center unites a strong and interdisciplinary spectrum of competence in molecular genetics, biophysics, medicine, and theoretical modelling. All members take full benefits of the Center's joint research and training facilities. We are looking for an excellent Computational Biologist (f/m/x) to play an integral part in the science of our Center.

YOUR TASKS

- » Analysis of high-throughput molecular data
- » Algorithm design and optimization for dedicated evolutionary problems
- » Developing and implementing strategies for research data management
- » Developing independent strategies for data evaluation and scientific problem solving
- » Close cooperation with project scientists: involvement from the planning of experiments to the interpretation of the results
- » Developing custom computational tools to address timely public health topics, including the analysis of large-scale biological datasets

YOUR PROFILE

- » Doctoral degree in a relevant field
- » Algorithm design skills and/or experience with the analysis of molecular high-throughput data
- » Proven knowledge of methods of molecular biological high-throughput data analysis preferably single cell RNA-seq analysis
- » Interest in the scientific focus of the Center
- » Excellent written and oral communication skills in English
- » Advanced programming skills in at least one language for data manipulation, analysis, and development of in-house code
- » Proficiency in database management, development and querying

WE OFFER

- » An exciting, interactive and multi-faceted research environment
- » A chance to acquire top-notch skills in computational science and problem solving
- » A diverse working environment with equal opportunities
- » Support in balancing work and family life
- » Extensive advanced training opportunities
- » Occupational health management offers
- » Flexible working time models
- » Opportunity to work remotely

The University of Cologne promotes equal opportunities and diversity. Women will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from all suitable candidates regardless of their gender, nationality, ethnic and social origin, religion, disability, age, sexual orientation and identity.

The position is available immediately on a full-time basis (39,83 hours per week). The contract is to be filled for a fixed term until 31 December 2025, with the possibility of extension pending reapproval of the CRC 1310. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 13 TV-L of the pay scale for the German public sector.

Please apply online with proof of the required qualifications without a photo under: <https://jobportal.uni-koeln.de>. The reference number is Wiss2411-05. The application deadline is 04.12.2024.

For further inquiries, please contact Stephan Kleinbölting (skleinbo@uni-koeln.de) and take a look at our [FAQs](#).

