The **University of Bonn** is an international research university offering a broad range of subjects. With a 200-year history, some 31,500 students, more than 6,000 employees and an outstanding reputation in Germany and abroad, the University of Bonn is one of the leading universities in Germany and has been awarded the status of a University of Excellence.

The **Chair of Computational Life Sciences** of the **International Research Unit Mathematics and Life Sciences** is looking to fill the following positions **as soon as possible**, on a **fixed-term contract for three years.**

PhD candidate in Biomedical Data Science and Bioinformatics (75%)

The Computational Life Sciences group develops and applies novel mathematical and computational approaches as well as software tools for data analysis and modeling. The spectrum of applications includes oncology, immunology, and epidemiology. We are intensively collaborating with world-leading experts in the respective fields as well as in mathematics, and we are part of the excellence clusters ImmunoSensation2 and Hausdorff Center for Mathematics at the University of Bonn.

We offer a position as part of DFG-funded Collaborative Research Center 1454 “Metaflammation and Cellular Programming” (https://www.sfb1454-metaflammation.de/). Metaflammation refers to low-grade chronic inflammation that plays a significant role in the progression of various diseases. Understanding the molecular mechanisms underlying metaflammation is essential for identifying new therapeutic targets.

Your tasks:

- Bioinformatic, statistical, and machine learning-based analysis of experimental,
- data generated via a broad spectrum of experimental technologies,
- Development of methods, software tools and pipelines for these analyses,
- Collaboration with project partners,
- Data analysis and interpretation,
- Presentation and publication of scientific results at conferences and in journals.

Your profile:

- University degree (master’s degree or equivalent) in (bio-)informatics, computational biology, computer science, mathematics, physics or related fields; alternatively, a degree in life sciences in combination with a track record in data science,
- Profound knowledge in statistics, bioinformatics and/or machine learning,
- Programming skills in R or Python,
- Interest in life sciences topics, especially immunological processes,
- Proficiency in written and spoken English.

We offer:

- A varied, challenging job with one of the largest employers in the region,
- An international, stimulating, well-equipped working environment with an open and constructive atmosphere and the necessary infrastructure for high-quality research,
- The opportunity to complete a doctorate,
- Broad spectrum of career development opportunities,
- Participation in high-impact scientific projects with access to state-of-the-art resources and technologies,
- Occupational pension (VBL),
- Many options available for university sports,
- Flexible working hours and the ability to work from home,
- Remuneration in accordance with TV-L pay grade 13 (75%).

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university. The University of Bonn seeks to increase female representation in staffing areas where women are underrepresented and provide special career support. Accordingly, the University of Bonn expressly encourages qualified women to apply. Applications will be handled in accordance with the NRW State Gender Equality Act. Applications from qualified candidates with a certified severe disability or from those of equal status are especially welcome.

If you are interested in this position, please send your **complete** application by email to iru-mls@uni-bonn.de by **23.02.2025, quoting reference 33.2025.07**. For technical reasons, applications may **only be submitted as a single PDF file**. Please do not hesitate to contact Prof. Dr. Jan Hasenauer (phone +49 228 73-69446, e-mail jan.hasenauer@uni-bonn.de) if you need any more information. We reserve the right to review application documents that are received after the deadline.