The Systems Biology of Inflammation group headed by Prof. Dr. Kevin Thurley, University Hospital Bonn, is currently recruiting a full-time (38.5 hours per week)

**Postdoc (m/f/d)**

**Bioinformatics / Computational Immunology**

The position is available for an initial period of three years with a possible extension, funding is available for at least 5 years. The employment is planned to start in upon agreement.

The mammalian immune response depends on the interaction and collaboration of many, highly individual cells. Recent work in our group has emphasized the need for mathematical analysis in the regulation of immune responses (Cendon et al. 2020, https://doi.org/10.1101/2020.04.02.021709; Hammer et al., *Nat Immunol* 2018; Thurley, Wu, Altschuler, *Cell Systems* 2018). We use quantitative data analysis and data-driven modeling to elucidate immune cell networks in the context of clinical manifestations such as chronic inflammation and cancer, in tight collaboration with experimental groups. The Thurley group is currently moving from Berlin to Bonn, and will be integrated into both the ImmunoSensation cluster of excellence and the Hausdorff Center for Mathematics, an exceptional environment for our interdisciplinary research program. We are now recruiting a bioinformatics postdoc, to conduct and supervise data-analysis projects in our group, with a focus on high content single-cell data (sc-seq, multicolor flow-cytometry and histology). An important goal of the group is to develop integrated strategies allowing for unbiased quantification of high-content data sets and their incorporation into our data-driven modeling frameworks. Thus, the postdoc will closely collaborate with scientists on both the experimental and the mathematical modeling sides. The postdoc is welcome to develop and foster own research interests and will obtain intense support and mentoring. Further information is available at https://www.thurleylab.org.

**Requirements:** We are looking for a highly motivated, independent and committed scientist eager to make significant contributions to both fundamental and clinical research. Applicants should hold a PhD degree in computer sciences/bioinformatics, (bio-)physics, or a related discipline, and should have proven experience in biological data analysis and a scientific track record. Training in mathematical modeling, immunology and cell biology is an advantage. The position requires good communication and interpersonal skills, and fluent English.

**You can expect:**

- A thriving and collaborative academic and research environment
- A professional career development program
- The salary will be according to the German salary scale TV-L (EG 13, 100%)
- Supplementary benefits in the public sector (pension plan according to VBL)
- The candidate will have opportunities to obtain additional external funding and develop an independent research program during postdoctoral training.
The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university. It aims to increase the proportion of women in areas where women are under-represented and to promote their careers in particular. It therefore urges women with relevant qualifications to apply. Applications will be handled in accordance with the Landesgleichstellungsgesetz (State Equality Act). Applications from suitable individuals with a certified serious disability and those of equal status are particularly welcome.

Please send your application, including a letter of motivation, curriculum vitae, names & contact information of three referees, as a single PDF file and under indication of reference number 048_2021 until 31.03.2021 to

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