

2 PhD Positions in Computational Analysis of JAK-STAT Signaling Pathway & Genome Reprogramming Vienna Austria



The Special Research Programme (SFB) “Monarchies and Hierarchies in Shaping Chromatin Landscapes” funded by the Austrian Science Fund FWF offers several PhD positions (www.jak-stat.at). The group aims to gain further insights into the role of the JAK-STAT signalling pathway in the onset, resolution and treatment of infection, inflammation and cancer. The SFB consortium offers a world-class scientific research environment where scientists from different backgrounds interact in an inter-disciplinary, open, and creative environment.

The SFB research consortium is coordinated by the University of Veterinary Medicine Vienna and brings together the activities of a network of six laboratories at the Max Perutz Laboratories of the University of Vienna, the Medical University of Vienna and the Research Center of Molecular Medicine (CeMM) of the Austrian Academy of Sciences. Participants benefit significantly from common standards and protocols and from the close collaboration of experts in molecular genetics, epigenetics, tumour genetics, pharmacology, bioinformatics and intensive care medicine, which is unique in the world. This interdisciplinary research in life sciences at the highest level helps excellent PhD students to develop into next generation scientists through a comprehensive research and training program.

The SFB consortium welcomes students with different academic backgrounds who can bring their skills and experiences to the scientific setting.

Students with a MSc in (bio-)informatics, computer or data science or alternatively in life science/medical studies with experience in analysis of Next Generation -Omics data and familiarity with R scripts, Unix/Linux operating systems, biostatistical methods and proficiency in data visualization are encouraged to apply. Basic understanding of molecular biological concepts such as DNA, RNA, protein, transcriptional and translational regulation, chromatin remodelling, (epi-)genomics is required.

We ask you to send the following documents latest by May 28, 2021:

- CV
- Statement of purpose that explains your research experience and your motivation for applying to the SFB program (one page maximum)
- University transcripts and diplomas of all degree programs (to be submitted in English)
- Contact information of three referees

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