Molecular mechanisms of action of CD44 in chronic lymphocytic leukemia

Position: Postdoctoral Researcher  
Fields of research: Molecular and Cellular Biology-Tumor Biology  
Starting date: 01.04.2021  
Research group of Prof. Véronique Orian-Rousseau  
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Our group focuses on the role of cell adhesion molecules, amongst which CD44, in tumor progression and metastasis. We are part of the Institute of Biological and Chemical Systems-Functional Molecular Systems (IBCS-FMS) at the Karlsruhe Institute of Technology. In cooperation with the University of Freiburg, the candidate will work on the research project entitled "Elucidation of the pathophysiological contribution of CD44 expressed on myeloid and endothelial compartments to the development of chronic lymphocytic leukemia in vivo". The aim of the project is to identify which of CD44-dependent signals in macrophages and in endothelial cells impact on the survival and proliferation of leukemic cells. The candidate will apply a broad range of molecular, cell biology and immunological methods in vivo and in vitro. He/She is expected to manage the evaluation and the statistical analysis of the results as well as their publication in peer-reviewed journals and at (inter-) national conferences.

Your profile:

You hold a PhD degree and several years of professional experience with expertise in cellular and molecular biology. You are expected to have experience in flow cytometry as well as histology and immunology-oriented techniques. The candidate requires a high degree of independence and is able to drive projects in an organized manner. In addition, he/she should have the ability to work on inter- and intradisciplinary projects. He/She should show a high level of motivation, personal commitment, the ability to work in a team and the willingness to contribute to the supervision and guidance of master and PhD students. Excellent communication skills in spoken and written English are expected.

Please send a motivation letter, a complete CV and contact information of at least two referees to veronique.orian-rousseau@kit.edu. The position is available from April 2021. The duration of the contract is limited to 2 years at first. The contract duration can be subject to a 3rd year extension.