



Orian-Rousseau Research Group

Regulation of Cell Signaling by Cell Adhesion Molecules

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.