Job Advertisement

In frame of a Worldwide Cancer Research funded project a **Postdoc** or **Research Engineer** position is immediately available for **36 months** to address effects of targeting the extracellular matrix with novel drugs on radiotherapy-induced tumor regression. This project is performed in collaboration with the ICANS Radiology Laboratory in Strasbourg (G. Noel/H. Burckel) and aims at developing novel treatment regimens for improving tumor remission in head and neck and breast cancer patients.

The international Tumor MicroEnvironment laboratory (https://orend-tme-group.com) has a record in innovative research performed in collaboration with local, national and international partners. The laboratory is specialized in the analysis of the tumor stroma with particular emphasis on the extracellular matrix molecule tenascin-C (*J Cell Sci, 2022*). We have demonstrated pivotal roles of tenascin-C in orchestrating an immune suppressive tumor microenvironment (*Cancer Immun Res 2020a/b, EMBO Mol Med 2022, Mat Bio 2023*) that offers novel opportunities for cancer targeting (*Front Immun 2021a, Mat Bio 2022).* Both laboratories have also shown an impact of radiotherapy on the tumor stroma (*Front Immun 2021b*).
We offer a highly dynamic and supportive group of colleagues including researchers, postdocs, PhD and master students and technical support with expertise in radiobiology, extracellular matrix research, murine tumor models, tumor immunity and big data gene expression analysis. The Tumor MicroEnvironment group is one of 9 groups dedicated to immunology research of INSERM U1109 in the center of Strasbourg providing state of the art technology and expertise in immunology and matrix research. The salary remuneration follows INSERM guidelines taking into account previous experience.

Responsibilities: Apply novel matrix targeting tools in conjunction with radiotherapy in established tumor models and in vitro 2D/3D tumor model systems. Use FACS, single cell RNA sequencing and tissue imaging together with biostatistical analysis.

Qualifications: We search a highly motivated scientist with strong background in tumor biology, mouse tumor models, immunology, immunohistochemistry, radiobiology and in big data analysis, high team spirit and good English communication skills.

Interested candidates are invited to send their CV together with a motivation letter and the names of three referees to Gertraud Orend (gertraud.orend@inserm.fr).