



POST-DOCTORAL POSITION IN ONCO-IMMUNOLOGY

OREND -Tumor Microenvironment Laboratory

HOPITAL CIVIL

Institut d'Hématologie et d'Immunologie

INSERM U1109, France

The OREND laboratory reveals molecular mechanisms of how the extracellular matrix in cancer can be targeted for improving cancer therapy. An important strategy in cancer therapy is targeting of immune checkpoints. However, this strategy is limited by the cancer specific extracellular matrix where highly abundant tenascin-C is orchestrating an immune suppressive tumor microenvironment. Based on our discoveries about tenascin-C actions in immune suppression contributing to the immune exclusion phenotype we developed specific strategies to restore anti-tumor immunity which is monitored in specific tumor models that phenocopy human cancer (Fonta 2023, *Matrix Biol*; Loustau 2022, *Matrix Biol*; Yilmaz 2022, *J Cell Sci*; Murdamoothoo 2021, *EMBO Mol Med*; Dhaouadi et al 2021, *Front Immunol*; Deline 2020, *Cancer Immun Res*; Spence 2020, *Cancer Immun Res*). To strengthen our research in this exciting translational project we are looking for highly ambitious postdoctoral candidates. The appointed postdoc will use state of the art technology in immunology and matrix research and will work within a consortium of colleagues experienced in matrix biology, immunology, omics and network analysis in frame of the INCa funded **TENMAX** project. Aims of this project are to (1) understand and (2) target the tumor immuno-landscape for developing novel anti-cancer targeting strategies.

The position is located at the Institut d'Hématologie et d'Immunologie in the center of Strasbourg (France) and is available for 24 months, starting in June 2023. **INSERM U1109** (<https://www.canceropole-est.org/la-recherche/annuaire-du-canceropole-est/entreprises/detail?id=45>) is associated with the University of Strasbourg and with the Doctoral School of Life Sciences and Health. It hosts 9 research teams with over 100 staff members. The institute is known for its expertise in immunogenetics and research in immune diseases, virology and cancer. It is equipped with staffed high-end technological platforms in immunology research, gene expression analysis and imaging.

Profile: We are looking for a highly motivated candidate with a recent PhD in tumor immunology or related fields and an excellent academic record. The candidate must have a strong background in tumor molecular biology and experience in murine tumor models, histology, cell culture, biochemistry and flow cytometry. Specific expertise in bioinformatics is a plus. The candidate should be able to think independently and creatively, and have excellent written and oral communication skills in English. The candidate shall work well in the team, supervise Master and PhD students, and present the project and results to scientists and the public. She/he will participate in extensive collaborations with the 5 partner laboratories involved in the project.

Application: Please send a motivation letter expressing your interest and suitability for the project, CV and publication list, and the names and e-mail addresses of two references. For further details and information see <https://orend-tme-group.com>, and contact Gertraud Orend: gertraud.orend@inserm.fr. The position will remain open until filled.