

2 Postdoctoral Research Positions in Nice France



To study the impact of the tumor matrix environment on immune cells

Applications are invited for 2 **full-time postdoctoral positions in tumor/immuno-biology** to study the implication of extracellular matrix (ECM) components in the immunosuppressive reprogramming of the tumor microenvironment in head and neck cancer associated with tobacco use. The project aims to provide a better understanding of the cellular, molecular and functional interactions between tumor-associated innate immune cells and ECM molecules during cancerogenesis of head and neck squamous epithelium. Studies will be conducted using an immunocompetent mouse model of tongue carcinogenesis and *ex vivo* 3D reconstituted ECM systems. Implications of our findings for human cancer and therapeutic intervention will be determined by analyzing samples from human patients. This **collaborative project** between teams in Nice and Strasbourg will provide training in an interdisciplinary context at the crossroads of immunology, cell and molecular biology and human tumor pathology.

One position is available in the **Institute of Biology Valrose (iBV)** (<http://ibv.unice.fr>) and one position in the **Institute of Molecular and Cellular Pharmacology (IPMC)** (<https://www.ipmc.cnrs.fr/cgi-bin/ipmcx.cgi>). These leading Research Centers of the Université Côte d'Azur are equipped with state of the art core facilities and dynamic scientific environments in which English is the working language. The iBV team headed by E. Van Obberghen-Schilling has an expertise cell-matrix adhesion and matrix-driven signaling in squamous cell carcinomas of the head and neck. F. Anjuère, leader of the IPMC team "Immune regulations at muco-cutaneous surfaces" with V. Braud, is an expert in mucosal immunology and has led numerous studies aimed at developing mucosal vaccines against infectious diseases and cancer. Clinical collaborators at the head and neck oncology team of the **Centre Antoine Lacassagne (CAL)** and **University Head and Neck Institute (IUFC)** are actively involved in clinical studies focused on immunotherapy.

The successful **post-doctoral candidates** should have a strong background in cell biology/immunology and experience in cellular/tissue imaging. Excellent written and spoken English communication skills, strong self-motivation, the ability to work both independently and collaboratively is expected.

Please send **applications** (full CV including research interests and the name of 2-3 referees in a single pdf document) and requests for further information by email to:

Ellen Van Obberghen-Schilling (vanobber@unice.fr) - **Fabienne Anjuère** (anjuere@ipmc.cnrs.fr)

Starting date: November 2017

