

Postdoctoral Job Opportunity in Tumor Immunology

Prof. Stephanie Hugues' laboratory

Department of Pathology and Immunology
Geneva Medical School
Geneva, Switzerland

Surgical removal of breast tissues after cancer is a traumatic event for patients, and no satisfying solution is available for patients with partial breast ablation. In collaboration with the start-up Volumina Medical, we propose an innovative solution called "ImmunoPearl" that will combine regenerative properties and pro-immunogenic anti-tumor potentials.

Project. The aim of the research project is to characterize different ImmunoPearls with distinct crosslinking degrees that will, following one single injection in the tumor resection bed of breast cancer bearing mice, not only enable to regenerate natural tissues, but also to allow an immunoprotective effect by inducing the local recruitment of pro-inflammatory innate immune cells and coordinated adaptive immune response.

The candidate will have the unique opportunity to work in a stimulating scientific environment in close collaboration with Volumina Medical.

Qualifications. Highly motivated, organized and creative individuals, excited to apply cutting-edge techniques to push new boundaries, motivated by the translation of your work into a product for clinical and human use, are encouraged to apply. Successful applicants will have a PhD in Immunology, Cancer Biology, or related field with a strong background in in vivo animal work.

Application. Opened until filled. 2-years position, Start date: Autumn 2022. Interested applicants should send their CV and a letter of intent describing their specific interests and motivations to apply to Prof. Hugues stephanie.hugues@unige.ch, and copy the CEO of Volumina Medical: amelie.beduer@volumina-medical.ch