



Postdoctoral Position in cancer immunology

100%, Start in May 2019

A postdoctoral position is available in the laboratory of Professor Momo Bentires-Alj at the Department of Biomedicine (DBM) in Basel, Switzerland. The candidate will study the effects of the **immune system on breast cancer metastasis using both preclinical models and clinical specimens.**

Selected publications of our lab include: 1- Cessation of CCL2 inhibition accelerates breast cancer metastasis by promoting angiogenesis. Bonapace L, *et al.*, Nature 2014. 2- *PIK3CA*^{H1047R} induces multipotency and multi-lineage mammary tumors. Koren S, *et al.*, Nature 2015. 3- Hippo kinases LATS1/2 control human breast cell fate via crosstalk with ER α . Britschgi A, *et al.*, Nature 2017.

Your tasks:

The tasks include: a) studies on **immune system changes within the lymph nodes** during breast cancer progression to metastasis; and b) studies on **targeting signaling molecules to harness anti-tumor immunity**. The candidate will use pathophysiologically relevant models, clinical specimens, and state-of-the-art technologies (e.g., multiphoton intravital imaging, single cell analysis) to identify the mechanisms underlying metastases.

Your profile:

A strong background in **immunology** is required. The successful candidate should be highly motivated, have a PhD in immunology, and a strong interest in molecular and cellular mechanisms of metastasis.

We offer you:

A stimulating, challenging and interdisciplinary translational research environment, state-of-the-art technologies and core facilities, and attractive employment conditions. The **DBM is an international institute** pursuing basic, translational and clinical research, with access to cutting-edge core facilities.

Lab website: <https://bentireslab.org/>.

Applications/contact:

Applications must be submitted at: <https://flexiform2.unibas.ch/formular.cfm?EID=9672>
Application deadline: applications will be reviewed as they arrive.

Contact: Professor Momo Bentires-Alj: m.bentires-alj@unibas.ch