



## Postdoctoral Position in cancer immunology

100%, Start in January 2019

A **postdoctoral position** is available in the laboratory of Professor Momo Bentires-Alj at the Department of Biomedicine (DBM) in Basel, Switzerland. Our lab focuses on the **molecular mechanisms controlling normal and neoplastic breast stem cells, metastasis and resistance to therapy, and on personalized cancer treatments**: <https://bentireslab.org/>. 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*<sup>H1047R</sup> 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 $\alpha$ . Britschgi A, *et al.*, **Nature** 2017.

### Your tasks:

The tasks include studies on **immune system** changes during breast cancer progression to metastasis and **CRISPR-CAS9 screens** to identify means to harness the immune system. **The candidate will work on** an interdisciplinary project that uses pathophysiologically relevant models and state-of-the-art technologies to identify non-cell autonomous molecular and cellular 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 cancer progression.

### We offer you:

A stimulating, challenging and interdisciplinary 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.

### Applications/contact:

Applications should be submitted electronically 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](mailto:m.bentires-alj@unibas.ch)