



Postdoctoral Position in cancer metabolism and immunology

100%, Start in summer/fall 2018

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

Your tasks:

The tasks include studies on **metabolism and immune system** changes during breast cancer progression. **The candidate will work on** an interdisciplinary project that uses pathophysiologically relevant models and state-of-the-art technologies (e.g., intravital imaging) to identify non-cell autonomous (**tumor microenvironment**) molecular and cellular mechanisms underlying the development of drug-resistant metastases.

Your profile:

A strong background in **intravital imaging, metabolism and/or immunology** is required. The successful candidate should be highly motivated, have a PhD in one of these areas, 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