



Postdoctoral Position in Transcriptomics and Cancer Epigenetics

A **postdoctoral position** is available in the laboratory of Professor Mohamed Bentires-Alj at the Department of Biomedicine (DBM) in Basel, Switzerland.

The tasks include studies on **transcriptomic and epigenetic** (Histone modifications, DNA methylation...) changes in the normal and neoplastic breast. A strong background in gene regulation and epigenetics (Chip-Seq, Atac-Seq, RNA-Seq...) is required. **The candidate will work on** an interdisciplinary project that uses pathophysiologically relevant models and state-of-the-art technologies to identify molecular mechanisms underlying crosstalk between key signalling pathways and epigenetic programs in the normal and neoplastic breast.

The successful candidate should be highly motivated, have a PhD in epigenetics, and a strong interest in molecular and cellular mechanisms of cancer progression to drug resistant metastases.

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/>.

We offer you:

- Stimulating, challenging and interdisciplinary research environment
- State-of-the-art technologies and core facilities
- Attractive employment conditions

Selected publications of our lab:

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

The **DBM is an international institute** pursuing basic, translational and clinical research, with access to cutting-edge core facilities.

Applications should be submitted electronically at:
<https://flexiform2.unibas.ch/formular.cfm?EID=9672>

Application deadline: applications will be reviewed as they arrive.

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