



Job Advertisement: PhD position on mechanisms of tumor dormancy

100%, Start in March 2024

A PhD position is available in the laboratory of Professor Momo Bentires-Alj (<https://bentireslab.org/>) at the Department of Biomedicine (DBM) in Basel, Switzerland. The successful candidate will study mechanisms of breast tumor dormancy with a focus on the effects of life style factors on the tumor microenvironment.

Selected publications of our lab include:

1. Hepatic stellate cells suppress NK cell sustained breast cancer dormancy. Correia AL, *et al.*, Nature 2021.
2. Glucocorticoids promote breast cancer metastasis. Obradović MMS, *et al.*, Nature 2019.
- 3- Feed-forward loops between metastatic cancer cells and their microenvironment-the stage of escalation. Baumann *et al.*, EMBO Mol Med 2022
- 4- *PIK3CA*^{H1047R} induces multipotency and multi-lineage mammary tumors. Koren S, *et al.*, Nature 2015.

Your tasks:

The tasks include: a) Use of *in vivo* and *ex vivo* models of tumor dormancy, b) Assess the crosstalk between cancer cells and the tumor microenvironment, c) Validate the findings using patients' tissues.

Your profile:

A strong experience in *in vivo* models of cancer and tumor microenvironment. The candidate should be well organized, highly motivated, a team player, and must be fluent in English.

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:

Please upload your CV, a summary of your research experience and interests, techniques that you are competent in, and the contact details of three referees at:

<https://biped2.dbm.unibas.ch/apply/phd-tumor-dormancy>

Application deadline: October 15, 2023. The applications will be reviewed as they arrive.