

Departement
Biomedizin
Basel



Job Advertisement: PhD position in reverse translational breast cancer research, 100%, Start in October 2022

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 work on primary patient breast cancer organoid cultures, proteomics, and image-based drug screening.

Selected publications of our lab include: 1- *PIK3CA*^{H1047R} induces multipotency and multi-lineage mammary tumors. Koren S, *et al.*, Nature 2015. 2- Hippo kinases LATS1/2 control human breast cell fate via crosstalk with ER α . Britschgi A, *et al.*, Nature 2017. 3. Glucocorticoids promote breast cancer metastasis. Obradović MMS, *et al.* Nature 2019. 4. Hepatic stellate cells suppress NK cell sustained breast cancer dormancy. Correia AL, *et al.*, Nature 2021.

Your tasks:

The tasks include: a) Manage and characterize breast cancer patient-derived organoid samples, b) Assess their response to single or combination therapy using image-based drug screening (Pharmacoscopy); c) Validate the findings *in vivo*

Your profile:

A **strong experience in primary cell culture and imaging**. Expertise in drug screening, and/or mouse work is a plus. 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/contact:

Please send your CV, a summary of your research experience and interests, techniques that you are competent in, and the contact details of three referees. to **Nathalie Laschet**: Nathalie.laschet@unibas.ch

Application deadline: applications will be reviewed as they arrive.