

Job opening in Computational biology of cancer

Job Advertisement: Position in the Tumor Heterogeneity, Metastasis and Resistance lab.

100%, Start in June 2026

A position is available in the laboratory of Prof. Momo Bentires-Alj (<https://bentireslab.org/>) at the Department of Biomedicine (DBM) in Basel, Switzerland. The **DBM is an international institute** pursuing basic, translational and clinical research, with access to cutting-edge core facilities.

Selected publications of our lab include:

- 1- *PIK3CA^{H1047R}* induces multipotency and multi-lineage mammary tumors.
Koren S, *et al.*, Nature 2015.
- 2- Glucocorticoids promote breast cancer metastasis.
Obradović MMS, *et al.* Nature 2019.
- 3- Hepatic stellate cells suppress NK cell-sustained breast cancer dormancy.
Correia AL, *et al.* Nature 2021
- 4- A high-throughput drug screen reveals means to differentiate triple-negative breast cancer.
Vulin M, *et al.*, Oncogene 2022

Your tasks:

The successful candidate will analyze spatial OMICs, single cell, next-generation sequencing, and proteomics data. Experience in machine learning, deep learning, and/or statistical modeling is required. Fluent programming skills in R/Bioconductor and/or python are essential.

Your profile:

- PhD in a quantitative field such as computational biology, physics or mathematics
- Interest in molecular and cellular mechanisms of breast cancer and metastasis
- Highly motivated and creative
- Curious, well-organized, very good communication skills, and independent
- Team player aptitude in an international and interdisciplinary research group and department
- Fluent in English (speaking and writing).

We offer you:

- Affiliation with the Department of Biomedicine and Swiss Institute of Bioinformatics
- **Integration into local bioinformatics community**
- A stimulating, challenging, and interdisciplinary translational research project
- State-of-the-art technologies and core facilities
- A dynamic, international, and supportive research team

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 including your current PI at:

<https://biped.dbm.unibas.ch/apply/position-in-computational-biology-of-cancer-start-in-july2026>

Application deadline: Applications will be reviewed as they arrive

Contact: thmrjobapplication-dbm@unibas.ch