



Job opening in Computational biology of cancer

Job Advertisement: Postdoc Position in the Tumor Heterogeneity, Metastasis and Resistance lab. 100%, Start in March 2021

A postdoc 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- Cessation of CCL2 inhibition accelerates breast cancer metastasis by promoting angiogenesis. Bonapace L, *et al.*, Nature 2014.
- 2- $PIK3CA^{H1047R}$ induces multipotency and multi-lineage mammary tumors. Koren S, *et al.*, Nature 2015.
- 3- Hippo kinases LATS1/2 control human breast cell fate via crosstalk with ER α . Britschgi A, *et al.*, Nature 2017.
- 4- Glucocorticoids promote breast cancer metastasis. Obradović MMS, *et al.* Nature 2019.

Your tasks:

The successful candidate will analyze high throughput data from next-generation sequencing, proteomics, and, as a plus, microscopy. 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:

- Highly motivated and creative
- PhD in a quantitative field such as computational biology, physics or mathematics
- Demonstrated experience in analyzing next-generation sequencing, proteomics and (optionally) imaging data
- Interest in molecular and cellular mechanisms of breast cancer and metastasis
- Interest in personalized medicine
- Curious, well-organized, 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

Applications:

Please use this link <https://biped2.dbm.unibas.ch/apply/computationalcancerbiology> to upload your CV, a summary of your research experience, your scientific interests, and the contact details of three referees.

Application deadline: applications will be reviewed as they arrive.