![Departement Biomedizin Basel logo]

The group of Prof. Primo Schär at the Department of Biomedicine is looking for a

Student lab assistant (~ 10 hours / week)

from May 2019 until October 2019.

Who we are

Our group currently consists of four Postdocs and three PhD students, working in the area of epigenetic regulation and/or carcinogenesis. Our research focuses on the cytosine modifications of DNA (methyl-, hydroxymethyl-, formyl-, and carboxylcytosine), their regulation by cellular proteins (in particular the Thymine DNA Glycosylase TDG), and their impact on stem cell differentiation and cancer formation.
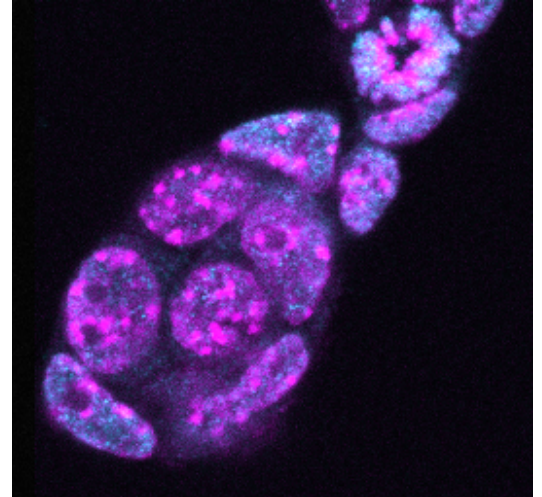
What we offer

The student will directly contribute to one research project that studies TDG-dependent stem cell dynamics and differentiation. The work will mostly comprise the *culturing of mouse embryonic stem cells.* Depending on the student's expertise, it will also include

- the application of simple differentiation protocols like embryoid body differentiation
- isolation of biomolecules (DNA, RNA, proteins) for further experiments
- RT-qPCR
- Fluorescence Microscopy

We are open to combining this position with a research project or Master's thesis, if appropriate. The monthly salary is around 1000.- CHF dependent on the qualification level.

Who you are

You are a student of Biology or Nanosciences or similar at the University of Basel and preferentially hold a Bachelor's degree and/or have experience in working in life science laboratories. You are interested in stem cell biology and chromatin regulation and you are willing to work on weekends occasionally. You are a fast learner and like getting to know new techniques and methodologies. Experience in working with sterile cell culture systems is beneficial, but not necessary.

Contact

If you are interested, please send your CV and a letter of motivation (in English or German) to christinaulrike.bauer@unibas.ch
no later than *Monday, 18th of February*. In case you have further questions, do not hesitate to get in touch – We are looking forward to hearing from you!