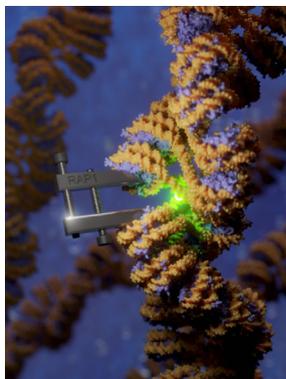


Open position in Biophysics/Chemical Biology



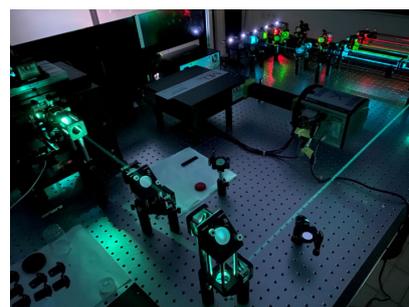
Our **laboratory of Biophysical Chemistry of Macromolecules (LCBM)** at the EPFL in Lausanne, Switzerland (www.epfl.ch/labs/lcbm/) offers a PhD position in the fields of **biophysics / chemical biology**.

Our main focus is to understand the structure and function of chromatin and its role in transcription regulation using a combination of chemistry and biophysics.

Recently, our laboratory observed how pioneer transcription factors (pTFs) can access closed chromatin ([Mivelaz et al., Molecular Cell 2020](#)). Based on this study and the methods developed therein, we are now investigating molecular mechanisms of chromatin remodeling controlled by pTFs and chromatin remodelers, using genetics, chemical biology, and single-molecule biophysics. Within this project, we offer **PhD positions**, as well as **postdoc positions**.

Your profile (for the PhD position):

- A master or equivalent degree in biochemistry, biophysics or chemical biology
- Experience in working in a biochemistry or biophysics (imaging) laboratory.
- Good knowledge in written and oral English.
- Highly motivated for discovering new molecular mechanisms in a challenging environment.
- Interest for interdisciplinary projects.
- A passion for biophysical chemistry and genetic regulation at the highest level.



Application/selection procedure:

1. Send a **Letter of motivation**, a **CV**, a **summary of previously done research** and the **contact information of 3 referees** to beat.fierz@epfl.ch. Ideally, we receive your application **until March 15, 2021**.
2. Selected candidates will be invited for a virtual interview, and, in a second round a virtual visit (including a seminar and meetings with PhD students and postdocs).
3. If you need further information, visit <https://lcbm.epfl.ch/fierz/>, or contact beat.fierz@epfl.ch. For administrative issues concerning the doctoral program, please contact Ms Odegaard (annelene.odegaard@epfl.ch).

Key reference:

The mechanistic basis for chromatin invasion and remodeling by the yeast pioneer transcription factor Rap1, Mivelaz, M., Cao, A.-M., Kubik, S., Zencir, S., Hovius, R., Boichenko, I., Stachowicz, A.M., Kurat, C.F., Shore, D., Fierz B.*, 2020, *Mol Cell.*, <https://doi.org/10.1016/j.molcel.2019.10.025>