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: