

### 3 open PhD positions

We are using liquid flat jets (LFJ) to study liquid-liquid interface dynamics. LFJ can be obtained by crossing two laminar-flow cylindrical microjets, producing a structure where the liquids from the original jets flow alongside each other, forming a well-defined interface. The LFJ is a steady-state system where the constant flow speed in the jet translates the position along the flow axis into time. Thus, imaging of the LFJ directly offers information on the dynamics at the interface (*JACS* 144, 7790(2022)). We here combine the LFJ with different spectroscopic imaging techniques to access specific types of dynamics at interfaces between miscible (potentially identical) or immiscible solutions.

For more information, please contact Andreas Osterwalder ([andreas.osterwalder@epfl.ch](mailto:andreas.osterwalder@epfl.ch)).

For applications, please send your CV, a motivation letter, transcripts, and the names and contact information of at least two references to the above email.