

Graduate Student Position in Cell-free Synthetic Biology

Laboratory of Biological Network Characterization
Institute of Bioengineering
School of Engineering
EPFL

Description:

We are looking to hire a graduate student in cell-free synthetic biology.

The prospective graduate student will work on building the foundations for the development of a synthetic cell. This project will involve developing state-of-art techniques and approaches in cell-free synthetic biology combined with microfluidic technologies to push the current boundaries of *in vitro* synthetic biology and cell-free transcription – translation systems. The graduate student will be embedded in a highly international and dynamic research environment.

Requirements:

Candidates should hold a Master's Degree in Biochemistry, Bioengineering, Chemical Engineering, Chemistry, Microengineering, or related field. Exceptional candidates with a bachelor degree will also be considered. The candidate should either have prior experience in protein biochemistry, molecular engineering, synthetic biology and / or cell-free systems, or experience in developing and applying state-of-the art microfluidic technologies to biological applications, particularly devices fabricated by multilayer soft lithography.

Candidates should send their curriculum vitae and a cover letter to:

Prof. Sebastian Maerkl
Email: sebastian.maerkl@epfl.ch

Evaluation of applications will commence immediately. The position is expected to be filled and begin in Q1/Q2 of 2022.