



Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich

The **Department of Biosystems Science and Engineering (D-BSSE)** of the ETH Zurich is looking for highly qualified and motivated

## **PhD, Postdoc & Senior Scientist Positions**

The Department of Biosystems Science and Engineering (D-BSSE, [www.bsse.ethz.ch](http://www.bsse.ethz.ch)) is the first truly interdisciplinary research unit of the ETH Zurich where theory, engineering and experimental biology groups team up to foster advances in Systems Biology, Biotechnology and Synthetic Biology. With its headquarter in Basel, the D-BSSE is situated in the heart of the Biovalley, a tri-national region hosting 40% of the global life science industry including several pharma giants, which provides a unique environment for high-leverage translational research.

The D-BSSE has several vacancies for competitive PhD students, Postdocs & Senior Scientists who will foster novel research initiatives in gene therapy, drug discovery, host-pathogen crosstalk, tissue engineering and biopharmaceutical manufacturing. Using Synthetic Biology principles, these research activities should converge to enable the design of prosthetic gene networks that prevent or treat metabolic disorders.

The successful candidates are highly skilled in standard molecular, cell biology and *in vivo* techniques, have a command of state-of-the-art transduction technologies and have advanced skills in cultivating primary cells. The handling of stem cells and confidence in animal experimentation will be a plus (postdocs only). We expect an outstanding publication record (postdocs only) and ambition to pursue an academic career or initiate technology transfer activities.

Please send two hardcopies of your application including CV, publication list, a one-page three-year research plan and two letters of recommendation to Prof. Dr. Martin Fussenegger, c/o Swantje Pless, ETH Zurich, D-BSSE, Mattenstrasse 26, CH-4058 Basel Switzerland.