



# VISION 2020 - A PERSONAL PERSPECTIVE SYNTHETIC BIOLOGY

Thursday, October 23, 2014, 17:00h  
Lecture Hall Y23 G04  
University of Zurich, Irchel Campus  
Prof. Dr. Sven Panke  
Bioprocess Laboratory D-BSSE, ETH Basel  
Basel, Switzerland



## The biological machine? Synthetic biology and the engineering of biology

The rapidly growing capacity to write (i.e. synthesize) large segments of DNA opens up staggering possibilities for the adaptation of biological systems to innovative applications. But our ability to rationally exploit this capacity is lagging far behind. The novel discipline of synthetic biology explores approaches that represent the hallmark of engineering, such as standardization, modularity of parts and devices, and the crucial role of the mathematical model in a design process.

The presentation is followed by an aperitif and - for a limited number of students - by a dinner with the speaker. For the dinner, contact [marek.whitehead@uzh.ch](mailto:marek.whitehead@uzh.ch) not later than October 20, 2014 by explaining why you would like to meet the speaker.

#### Organization:

This event series is organized by a committee of PhD students of the PhD Program in Integrative Molecular Medicine (imMed), UZH:

*Institute of Physiology:* Julia Jando (chair) |

Tasneem Arsiwala | Stephanie Kasper | Marek Whitehead

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