



# VISION 2020 - A PERSONAL PERSPECTIVE INDUSTRIAL BIOTECHNOLOGY

Thursday, May 3, 2018, 17:00h  
Lecture Hall Y03 G91  
University of Zurich, Irchel Campus  
Prof. Dr. Katharina Maniura  
Head of Laboratory for Biointerfaces,  
Empa Dübendorf



## Spraying cells and fibers from a can - the future of regenerative medicine?

In the Zurich Heart project experts from different disciplines and institutions work on the common goal to develop a new generation fully implantable (to some extent living) artificial heart. The Empa team is part of the subproject hyperelastic membrane for a biomimetic blood pump and is spraying cells and fibers simultaneously to create a blood compatible interface.

The presentation is followed by an aperitif and - for a limited number of students - by a dinner with the speaker. For the dinner, contact [fabienne.villars@uzh.ch](mailto:fabienne.villars@uzh.ch) not later than May 2, 2018 by explaining why you would like to meet the speaker.

### Organization

The event series Vision 2020 is organized by a committee of PhD students of the PhD Program in Integrative Molecular Medicine (imMed):  
*Institute of Physiology UZH*: Tobias Hasler (chair) | Amalia Ruiz Serrano (chair) | Ilaria Orlando  
*Institute of Veterinary Physiology UZH*: Fabienne Villars  
*Institute of Physiology UZH*: Elisabetta Biglieri from the PhD Program Cancer Biology  
*Institute of Molecular Life Sciences UZH*: Dezirae Beck  
*Institute of Pharmaceutical Sciences ETH*: Evelin Krajnc, from the PhD Program Molecular and Translational Biomedicine  
*URPP Global Change and Biodiversity*: Maria Parreño  
Supported by the SUK Program "Doktoratsprogramme".