



# Medically Relevant Experiments with Synchrotron Radiation

University Hospital Basel, ZLF, grosser Hörsaal  
Wednesday, September 16, 2020, 15:15 - 16:45

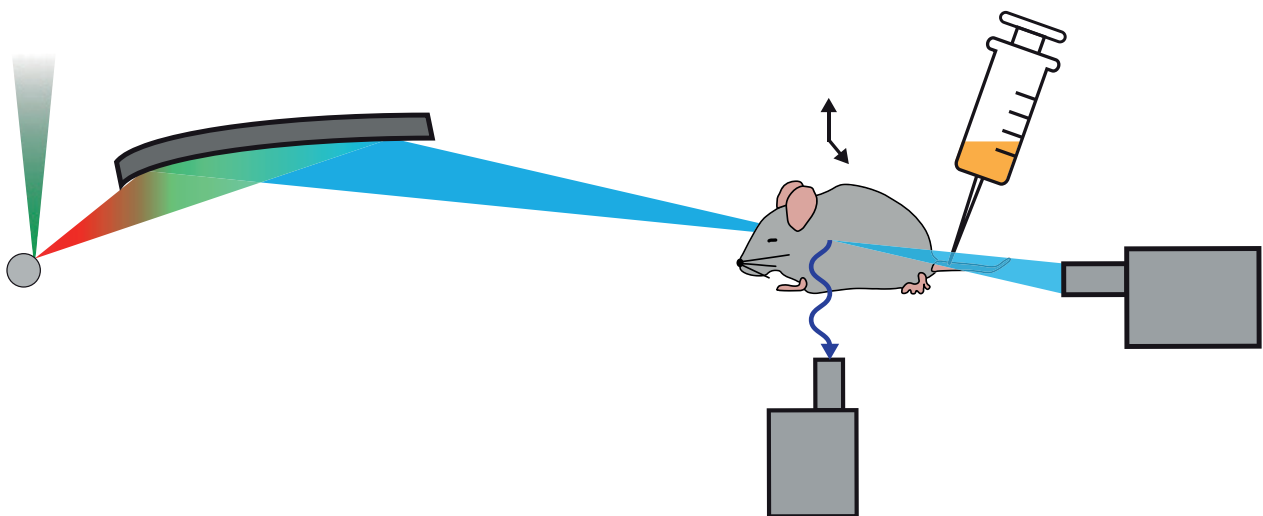
**Hans M. Hertz**

Royal Institute of Technology, Stockholm, SE

beer & pretzels  
after the seminar  
[www.kitchenbrew.ch](http://www.kitchenbrew.ch)

## High-resolution biomedical imaging with laboratory and accelerator-based X-ray sources

Biomedical X-ray imaging roughly divides into in vivo whole-body studies and microscopy for high-resolution investigations. Both rely on high-brightness X-ray generators, either larger accelerator-based or compact laboratory sources. We present medically relevant applications, which include absorption- or phase-contrast morphological imaging down to subcellular level in combination with nanoparticle X-ray fluorescence functional imaging.



Host: Bert Müller

Organized by the PhD-Program in Biomedical Engineering

