

# Medically Relevant Experiments with Synchrotron Radiation

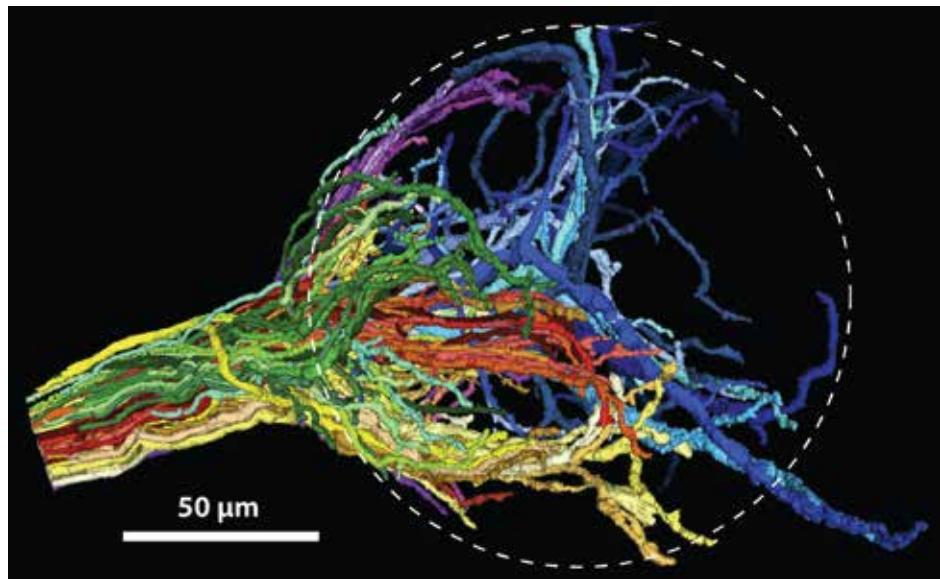
University Hospital Basel, ZLF, grosser Hörsaal  
Wednesday, September 30, 2020, 13:30 - 14:30

**Alexandra Pacureanu**

ESRF - The European Synchrotron, Grenoble, FR

## Hard X-ray nano-tomography for deep and precise exploration of biological samples

Hard X-ray nano-tomography at cryogenic temperatures is a game changer in biomedical imaging. This talk covers recent advances in X-ray holography, a coherent imaging technique offering exceptional contrast in soft tissues, and in X-ray fluorescence microscopy for precise mapping of chemical composition. These advancements address fundamental challenges in biomedical research such as deciphering neuronal circuits.



Host: Bert Müller  
Organized by the PhD-Program in Biomedical Engineering

drinks & discussion  
after the seminar  
[www.cargobar.ch](http://www.cargobar.ch)

