



Medically Relevant Experiments with Synchrotron Radiation

University Hospital Basel, ZLF, grosser Hörsaal
Wednesday, September 30, 2020, 16:00 - 17:00

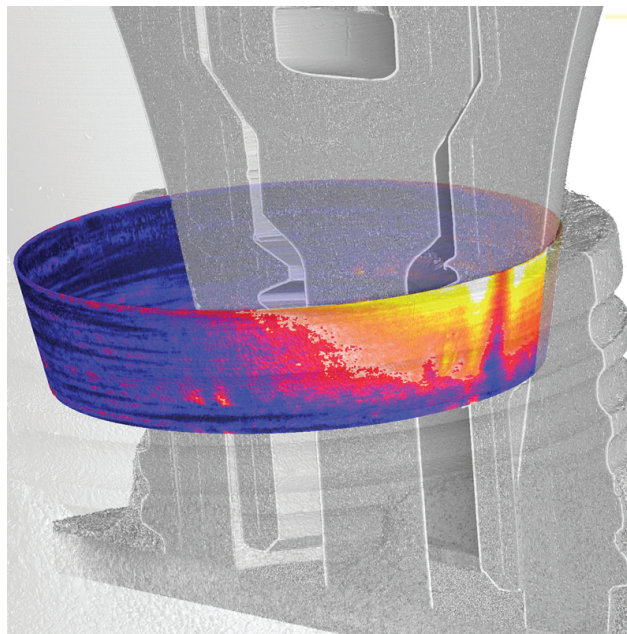
Alexander Rack

ESRF - The European Synchrotron, Grenoble, FR

*drinks & discussion
after the seminar*
www.cargobar.ch

Microimaging of tissues and dental implants at the European Synchrotron Radiation Facility

Biomaterials play an increasing role in oral surgery. Calcium phosphates promote bone formation in larger defects from e.g. tooth extraction. Dental implants are common in artificial teeth and are regularly inserted into the patient's jaw. Tomographic imaging using synchrotron radiation enables us to detect bone formation by bone grafts and the impact of load on evolving gaps within implant systems.



Host: Bert Müller

Organized by the PhD-Program in Biomedical Engineering

