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X-ray microtomography

David Haberthür

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Hello!

UNIVERSITÄT BERN

- Office B311 | haberthuer@ana.unibe.ch
- Master in Physics, then PhD in high resolution imaging of the lung at the Institute of Anatomy
- Post-Doc at the TOMCAT beamline of the Swiss Light Source at the Paul Scherrer Institute
- Post-Doc at the Institute of Anatomy in the µCT-group
  - Ruslan Hlushchuk, David Haberthür, Oleksiy-Zakhar Khoma, Fluri Wieland, Carlos Correa Shokiche
- Biomedical research
  - microangioCT [1]: Tumor vasculature, angiogenesis in the heart, musculature and bones
  - Cancer research: Melanoma
  - Lung imaging: Tumor detection and classification
  - Physiology: Zebrafish musculature and gills [2]
  - SkyScan 1172 & 1272

[1] Hlushchuk, Ruslan et al. DOI: 10.1016/j.vph.2018.09.003.

[2] Messerli, Matthias et al. DOI: 10.1101/744300.

References

[1] Ruslan Hlushchuk et al. “Ex vivo microangioCT: Advances in microvascular imaging”. DOI: 10.1016/j.vph.2018.09.003.

[2] Matthias Messerli et al. “Adaptation mechanism of the adult zebrafish respiratory organ to endurance training”. DOI: 10.1101/744300.