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**UNIVERSITÄT  
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## **Seminar über Biomedizinische Photonik**

**Referent/in:** PD Dr. Michael Jaeger, IAP, University of Bern

**Titel:** Speed-of-sound imaging, photoacoustic imaging, and miscellaneous

The Seminar on Ultrasound Imaging is a series of six lectures and part of the 'Advanced Medical Imaging' course of the biomedical engineering master. In this lecture series, various aspects of medical ultrasound imaging are discussed from the basics to beyond state-of-the-art techniques. The last two lectures focus on techniques for diagnostic imaging of the tissue's speed-of-sound and on the use of laser irradiation for ultrasound-based detection of the tissue's optical absorption contrast. In addition, I will show some signal- and image processing techniques.

**Zeit:** Montag, 30. Mai 2022, 12:15

**Ort:** H101, Hauptgebäude, Hochschulstrasse 4, 3012 Bern