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## **Seminar über Biomedizinische Photonik**

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

**Titel:** Basics of Echo Ultrasound and Advanced Beamforming

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 first two lectures focus on the basics of ultrasound transducer design and classical ultrasound imaging, and on current technology of parallel beamforming and its application in vector Doppler flow mapping.

**Zeit:** Montag, 9. Mai 2022, 12:15

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