Advanced Ultrasound Imaging Methods

Research emphasis:
Dr. Seiler’s research is focused on the investigation of advanced ultrasound methods and their establishment in a clinical and research setting. These advanced ultrasound methods include contrast-enhanced ultrasound, elastography, virtual navigation sonography, ultrasound mediated drug delivery and targeted ultrasound imaging. These methods have been applied to a variety of species including dogs, cats, horses, mice and rabbits.

Application:
- Cancer Imaging
- Drug delivery
- Perfusion imaging
- Tendon injury and healing
- Guided therapy

Collaboration potential:
- Large animal models for cancer research
- Cancer treatment
- Canine or equine sports medicine

Selected publications:

