

**The Musculoskeletal Ultrasound Research Lab** headed by Prof. Dr. Kay Raum at Berlin-Brandenburg Center for Regenerative Therapies (BCRT) is opening

**1 PostDoc Position**  
**2 PhD Positions**  
**in**  
**Quantitative Musculoskeletal Ultrasound**  
**(Bone, Muscle, and Cartilage)**

We are opening PhD and PostDoc positions in BMBF and NIH funded projects aiming at the clinical translation of novel ultrasound technologies to assess tissue health status non-invasively and without ionizing radiation. We target the major musculoskeletal diseases of our ageing society, i.e., osteoporosis, osteoarthritis, and sarcopenia, but also aim at improving diagnostic possibilities in pediatric applications.

We are looking for candidates with profound skills in medical technology (preferably ultrasound imaging), signal processing, and programming skills (Matlab/Octave, C++/.net) to work in research networks together with medical, industrial and research partners from Germany, France, Austria, and USA.

Candidates must have

- a very good degree in physics, computer engineering (or equivalent),
- very good programming skills (instrumentation, e.g., Verasonics, Ultrasonix; data processing),
- very good English and communication skills.

We are looking for candidates aiming at fostering their own academic/non-academic career. We look forward to receiving your electronic application including a motivation letter, CV, university transcripts and names and contact details of two references until **October 31, 2018**.

**Contact:**

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<https://www.b-crt.de/ausbildung/bsrt-professuren/kay-raum/>

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