



PhD Position at the FUJIFILM Visualsonics
on
High-resolution ultrasound and photoacoustic (USPA) imaging for
Human applications

In order to promote patient safety, the EU-funded MSCA-ITN ‘MgSafe’ investigates a novel combination of imaging technologies for biodegradable magnesium implants. In total 15 PhD positions are available within the consortium; please follow the link below for more details of the consortium and the respective projects <http://www.mgsafe.eu/home.html>

Project description (P15): This translational research topic is to work on the design and implementation of the hybrid Ultrasound-photoacoustic imaging system. The current approach of the technology is optimized for small animal imaging (mice/rat), so the PhD candidate will modify the system and the working interface to meet the needs of patient monitoring. This non-invasive imaging approach is ideal for the long-term follow up of implant degradation. The results will be validated with other imaging approaches.

Place of work: FUJIFILM Visualsonics, Amsterdam, The Netherlands

Our offer:

- Excellent job opportunities in attractive and well-equipped research groups
- Intense exchange with researchers located in eight European countries
- Comprehensive academic support program including subject-specific courses, soft skill training, research stays abroad, individual career coaching
- 3-year employment contract, salaries according to the EU MSCA-ITN regulations

Requirements:

- The applicant holds a master’s degree in physics, biomedical engineering or related areas.
- Excellent programming skills (experience in MATLAB/C++)
- Experience in advanced image analysis and processing
- Good communication skills in English, both spoken and written

Interested applicants send the CV, Letter of motivation with 2 references (all in one pdf) to Dr. Jithin Jose (Jithin.jose@fujifilm.com), Dr. Katrin Suppelt (katrin.suppelt@fujifilm.com).

Application deadline: 14/01/2019