



Postdoctoral research fellow position available (24 months)

Motion correction for brain Magnetic Resonance Imaging at high and ultra-high field

We are looking for a curious, motivated, team-oriented candidate with a PhD degree in signal processing, physics, computer science, applied mathematics, biomedical engineering or related topics. Prior knowledge in magnetic resonance parallel imaging acquisition and reconstruction techniques would be advantageous.

The successful candidate will work in the central nervous system team composed of physicists, neuroscientists, clinicians and computational scientists. Salary is based on previous experience (2.7-3.2 k€ monthly gross salary).



The position is granted by Aix Marseille University (www.univ-amu.fr) in a partnership project with Siemens Healthineers. The work will be done at the CRMBM laboratory (www.crmbm.univ-amu.fr) which is located in the center of the lively Marseille city, within La Timone university hospital.

ADDITIONAL SKILLS/ABILITIES/COMPETENCIES

Candidates should be enthusiastic about working in an interdisciplinary environment. The successful candidate will be able to work both independently and collaboratively in an academic-industrial partnership environment.

Written and oral English communication skills are expected. French speaking is a plus, although Aix-Marseille University can provide French classes to rapidly acquire the basics for daily life.

Candidates should be familiar with programming languages such as C, Matlab or Python, Linux-based operating systems and optimization algorithms. Experience with machine learning is welcome, although the candidate shall develop corresponding skills during the project.

APPLICATION

Interested candidates should send a cover letter describing research experience, interest, and future research and career goals, as well as an up-to-date curriculum vitae and two reference letters to Ludovic de Rochefort (ludovic.de-rochefort@univ-amu.fr), and Thomas Troalen (thomas.troalen@siemens-healthineers.com). Question regarding this position and informal inquiries are welcome.

This position is full-time with benefits and is available immediately (Oct. 2020) contingent to obtaining work authorization in the European Union.