

Industry-sponsored PhD Position in Abdominal MRI



What? A prestigious and highly attractive PhD position at the interface of academia, industry, and a university hospital, funded for 4 years by Siemens Healthineers.

Where? This position is based in Lausanne, Switzerland, with work locations at the University Hospital (CHUV) and the Innovation Park at EPFL.

Who? This PhD position plays a key role in the long-standing 15-year partnership between Siemens Healthineers and the CHUV-UNIL Translational Magnetic Resonance Imaging Center. The center consists of a team of 25 research engineers and physicists dedicated to advancing MRI technology. The ideal candidate should hold a master's degree or equivalent in electrical engineering, physics, or a related field, with demonstrated expertise in computer programming, machine learning, and fluency in English.

Why? The CHUV-UNIL Translational Magnetic Resonance Imaging Center has a well-established reputation for interdisciplinary research focused on addressing major human health concerns. The center collaborates closely with Siemens Healthineers, CIBM, and medical professionals at CHUV to drive innovations in MRI. With a strong focus on liver imaging and interventions, we aim to push the boundaries through advanced motion sensing and compensation techniques. The PhD candidate will contribute to the development of these methods on a newly acquired Siemens Free.Max low-field MRI research scanner (image). This state-of-the-art system, unique in Switzerland, is funded by the Swiss National Science Foundation (SNSF), CHUV-UNIL, and CIBM.

When? Interested candidates should send a letter of intent and CV electronically to Prof. Matthias Stuber (matthias.stuber@chuv.ch) and Dr. Tom Hilbert (tom.hilbert@siemens-healthineers.com) by October 31. Feel free to reach out with any questions. The start date is early 2025.