**Post Doc Position in Advanced Cardiovascular Magnetic Resonance Imaging Development**

**Background:**
Should you have a PhD in Physics, Electrical, or Biomedical Engineering, and are interested in pushing the envelope of MRI of the heart, you may want to apply for this Post Doc position in one of the World’s leading teams in cardiovascular MRI development. The position offered is at University Hospital (CHUV) in Lausanne, Switzerland. Lausanne is the Olympic capital located at the north shore of Lake Geneva with a splendid view of the Alps. Our University offers an outstanding scientific environment and Newsweek magazine has ranked the CHUV among the world’s top 10 hospitals. You would be joining a large, diverse, and dynamic group of scientists dedicated to the development of highly effective cardiovascular MRI. The team, that is affiliated with the Center for Biomedical Imaging (CIBM), has strong ties to clinicians and industry both in the interest of translation and dissemination. This position is funded through an excellence grant of the Swiss National Science Foundation (SNSF), it offers the opportunity to help guide a PhD student, and grant writing will be taught and encouraged in the interest of a potential future academic career of the candidate. Availability to travel and interact with collaborators, present at international conferences, and to work on-site at the hospital are prerequisites.

**Project:**
This SNSF-funded project focuses on advancing time-efficient and operator-independent high-resolution MRI of the heart. Award-winning acquisition- and fully self-gated reconstruction schemes will be available to be extended with AI and end-to-end optimization concepts. This will be aimed at advancing anatomical and functional imaging as much as flow quantification and aspects of tissue mapping in direct collaboration with clinicians at the CHUV. A large internal knowledge base, an extensive pool of acquired data, and an established network of international collaborations can be leveraged. State-of-the-art high-end computational equipment, ample access to MRI scan-time, and a pulse programming environment are available.

**Time:**
The Post Doc position is available immediately and funding will be available for at least 3.5 years. Talented and motivated candidates who fulfill the above criteria are invited to submit their application before November 15, 2021.

**Supervision and Contact:**
For further information or to apply please contact Prof. Matthias Stuber, PhD (matthias.stuber@chuv.ch) or visit www.unil.ch/cvmr.