Cardiovascular Imaging and Physiology

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Research Group

Principal Investigators
Tino Ebbers (PhD)
Jan Engvall (MD, PhD)
Ann Bolger (MD)
CJ Carlhäll (MD, PhD)
Petter Dyverfeldt (PhD)
Jonas Lantz (PhD)

PhD Students
Mariana Bustamante (MSc)
Sofia Kvernby (MSc)
Belen Casas Garcia (MSc)
Alexandru Fredriksson (MD)
Jakub Zajac (MD)
Johan Kihlborg (RN)
Magnus Ziegler (MSc)
Federica Viola (MSc)

Postdocs
Vikas Gupta (PhD)
Merih Cibis (PhD)
Hojin Ha (PhD)

Current Medical Students
Axel Kruber
Daniel Eriksson

Current Master Students
Pierre-Loic Felter
Max Gevfert
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Research Area

- Development and application of novel magnetic resonance imaging and computed tomography methods for the assessment of the cardiovascular system with main focus on quantification of flow and motion

- Blood flow in the cardiovascular system
- Impact of blood flow on the vessel wall
- Cardiac function
- Tissue characterization using MR parameter mapping

- Image acquisition
- Image processing
- Segmentation
- Visualization
- ...
What we offer

• Project tailored to student’s skills and wishes
• Opportunity to discuss projects with clinicians in order to best find solutions to current clinical problems
• Creative environment with large group of master students, medical students, PhD students, post docs and senior researchers
• Location! In the heart of the hospital

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