



## Judith Zimmermann

Postdoctoral Scholar, Radiological Sciences Laboratory

 Curriculum Vitae available Online

### Bio

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#### BIO

I am a postdoctoral scholar focusing on advancing breast magnetic resonance imaging, advised by Dr. Brian Hargreaves at the Radiological Sciences Laboratory (RSL), Body Magnetic Resonance (BMR) Group. My research objectives are driven by the need for faster, more accessible breast cancer screening using MRI. Specifically, I want to advance methods for contrast-free imaging, as well as enabling MRI exams with the patient positioned supine, that is laying on their back. I work in close collaboration with clinicians at Stanford Clinics, and contribute to translating new techniques to clinical practice.

I received my PhD from the Department of Computer Science, Technical University of Munich in 2021, jointly with the CMR Lab at Stanford, advised by Dr. Daniel Ennis. My PhD work focused on four-dimensional flow magnetic resonance imaging. After completion of my PhD studies, and prior to joining Dr. Hargreaves' lab, I was with the Breast Imaging Research Group (Dr. Nola Hylton) at UCSF.

#### HONORS AND AWARDS

- Junior Fellow, ISMRM (2024)
- DAAD Scholar, German Academic Exchange Service (2019-2020)
- Siemens Master Program Scholar, Siemens AG (2013-2015)
- PROMOS Scholar, BMBF Germany (2013)

#### PROFESSIONAL EDUCATION

- Postdoc, UC San Francisco , Breast Magnetic Resonance Imaging (2023)
- PhD, Technical University of Munich , Cardiovascular Magnetic Resonance Imaging (2021)
- M.Sc., Technical University of Munich , Biomedical Computing (2015)
- B.Sc., University of Heidelberg, University of Applied Sciences Mannheim , Computer Engineering, Medical Engineering (2012)

#### STANFORD ADVISORS

- Brian Hargreaves, Postdoctoral Faculty Sponsor

#### LINKS

- BMR Research Lab: <https://med.stanford.edu/bmrgroup.html>
- Stanford RSL: <https://med.stanford.edu/rsl.html>
- ORCID: <https://orcid.org/0000-0002-9579-9788>