

Stanford



Philipp Wesp

Postdoctoral Scholar, Radiology

Bio

BIO

I am a postdoctoral researcher investigating interpretable machine learning (ML) and large language model (LLM) applications in clinical radiology. My current research focuses on two complementary areas: understanding what human-interpretable concepts self-supervised vision foundation models learn through mechanistic interpretability techniques like sparse autoencoders, and developing LLM-based systems, including agentic workflows and retrieval augmented generation (RAG) architectures, that leverage unstructured hospital data to improve radiological workflows. I earned my PhD from LMU Munich, where I focused on clinically motivated machine learning applications in medical imaging in the Department of Radiology.

My work is partially funded by a Walter Benjamin Fellowship from the DFG (German Research Foundation).

PROFESSIONAL EDUCATION

- Doctorate (PhD / Dr. rer. nat.), LMU Munich, Munich, Germany , Machine Learning in Medical Imaging
- Master of Science, LMU Munich, Munich, Germany , Physics
- Bachelor of Science, Heidelberg University, Heidelberg, Germany , Physics

STANFORD ADVISORS

- Sergios Gatidis, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Sergios Gatidis, Gatidis Lab (4/2/2025)