

Lorenz Pflieger

Curriculum Vitae

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date of birth: 11.12.1985
citizenship: German

Employment History

- 09/2025–ongoing **Postdoctoral Researcher**, Medical University of Vienna, Department of Medicine III, Division of Endocrinology and Metabolism, Vienna, Austria
- 09/2024–08/2025 **Postdoctoral Researcher**, Medical University of Vienna, Department of Neurosurgery, Vienna, Austria
- 01/2016–08/2024 **Scientific Research Assistant**, Medical University of Vienna, Department of Medicine III, Division of Endocrinology and Metabolism, Vienna, Austria

Education

- 2016–2023 **Ph.D. in Medical Physics**, Medical University of Vienna, Vienna, Austria
- 2011–2015 **M.Sc. in Biomedical Engineering**, Vienna University of Technology, Vienna, Austria, Specialization: Medical Physics & Imaging
- 2008–2011 **B.Sc. in Medical Engineering**, University of Applied Sciences Upper Austria, Linz, Austria, Specialization: Electronics and medical measurement technologies

Publications

Peer-reviewed Journals

- 2025 **Baumgartner C**, et al. Growth Hormone Promotes Hepatic Triglyceride Export in Humans. *J Clin Endocrinol Metab.* Online ahead of print.
- 08/2025 **Beghini M**, et al. Leptin acutely increases hepatic triglyceride secretion in patients with lipodystrophy. *Metabolism.* Epub 2025
- 02/2022 **Pflieger L**, **Halilbasic E**, et al. Concentration of Gallbladder Phosphatidylcholine in Cholangiopathies: A Phosphorus-31 Magnetic Resonance Spectroscopy Pilot Study. *J Magn Reson Imaging.* Epub 2021

Conference Participations

- 10/2025 **Pflieger L**, et al. Feasibility of the Detection of Human Hepatocellular Content of Lipids using Deuterium Metabolic Imaging. In: *Proc ESMRMB 41*. Poster #486
- 10/2025 **Pflieger L**, et al. Intraoperative Magnetic Resonance Spectroscopy Allows Tracking of Metabolic Changes. In: *Proc EANS 25*. e-Poster #1466

Stipends

- 2019 Funding programme "International Communication" of the Austrian Research Association
Educational Stipend for the ISMRM 27th Annual Meeting, Montréal, QC, Canada
- 2018 Educational Stipend for the Joint Annual Meeting ISMRM-ESMRMB, Paris, France
- 2017 Educational Stipend for the ISMRM 25th Annual Meeting, Honolulu, HI, USA

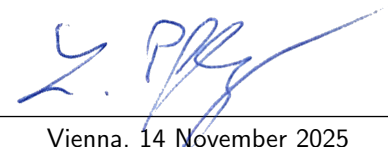
Collaborations & Networks

Medical University of Vienna

- Dept. Medicine III, Div. Endocrinology and Metabolism: lipid and glucose metabolism of the liver and muscle (Prof. Dr. Thomas Scherer, Ap.Prof. Dr. Peter Wolf, Prof. Dr. Michael Krebs)
- Dept. Biomedical Imaging and Image-guided Therapy, High-field MR Center: deuterium metabolic imaging methods (Fabian Niess, PhD, Assoc. Prof. Dr. Wolfgang Bogner)
- Dept. Neurosurgery: brain spectroscopy and fMRI (Gilbert Hangel, PhD)

Teaching

- WS 2025/26 Journal Club: In vivo MR Spectroscopy and more



Vienna, 14 November 2025