

Jun.-Prof. Dr. Thierry Schmidlin

*18.08.1988

Junior professor for mass spectrometry-based metabolomics (W1)

Institute of Immunology
University Medical Center of the Johannes Gutenberg University Mainz
Obere Zahlbacher Str. 63
Verfügungsgebäude 911
Tel: +49 (0) 6131-17-9857
schmidlt@uni-mainz.de
www.immunologie-mainz.de



Academic Qualifications

2013 – 2018 PhD, University of Utrecht, The Netherlands
2011 – 2013 Master of Science in Biology, ETH Zurich, Switzerland
2008 – 2011 Bachelor of Science in Biology, ETH Zürich, Switzerland

Career

since 2022 Junior professor (W1) for mass spectrometry-based metabolomics, Institute of Immunology, University Medical Center Mainz, Germany
2019 – 2022 Senior Postdoctoral Research Scientist, Nuffield Department of Medicine, University of Oxford, United Kingdom & EnaraBio Ltd., Oxford, United Kingdom (joint position)
2019 Postdoctoral Researcher, Dr. Margarete-Fischer-Bosch Institute of Clinical Pharmacology, Stuttgart, Germany

Awards

2021 Health Research Bridging Salary Scheme (HRBSS), University of Oxford for: *A metabolomics approach to MR1-presented antigen discovery in infection.*

Selected Publications

Schmitt F, ten Cate V, Fischer Z, Hagen M, Steigenberger BA, Tenzer S, Wild PS, and **Schmidlin T**. Metabolic Profiling of the EmDia Cohort by LC-MS Reveals Empagliflozin-Intake Associated Regulation of 1,5-Anhydroglucitol and Urate (2026). *PROTEOMICS* 26, 44-56

Thomas H, Dolton G, Cardo LF, Ternette N, Sewell AK, and **Schmidlin T**. Protocol for MR1-ligand cross-linking to discover metabolite antigens by proteomics (2026). *STAR Protoc.* 7, 104399.

Schmitt F[#], Nguyen S[#], Claßen PC, Meineck M, Hagen M, Weinmann-Menke J, and **Schmidlin T**. Disease and Medication Context Shape Ex Vivo Metabolite Stability: A Pilot Study in Systemic Lupus Erythematosus (2025). *Metabolites* 15 (11), 738

Schmidlin T[#], Behiry E[#], Thomas H, Dolton G, Marino F, Hasan S, von Essen M, Gathungu RM, Steigenberger BA, Selvadurai H, Dukes J, Brennan PE, Spiller OB, Silk JD, Sewell AK, and Ternette N. MR1-Ligand Cross-Linking Identifies Vitamin B6 Metabolites as TCR-Reactive Antigens (2025). *Cell Rep. Methods* 5 (8), 101120

Schmidlin T, Debets DO, van Gelder CAGH, Stecker KE, Rontogianni S, van den Eshof BL, Kemper K, Lips EH, van den Biggelaar M, Peeper DS, Heck AJR, and Altelaar M. High-Throughput Assessment of Kinome-Wide Activation States (2019). *Cell Syst.* 9 (4), 366-374.e5