CURRICULUM VITAE

Personal Information

Title	**Professor**
Name	**Michael Ohliger**
Degree	**MD, PhD**
Country	**USA**
Affiliation	**University of California, San Francisco**
Department	**Radiology and Biomedical Imaging**

Educational Background

1997: Bachelor of Arts in Physics, Harvard University
2005: PhD in Medical Physics, Harvard/MIT Division of Health Sciences and Technology
2007: MD, Harvard University
2012: Residency in Diagnostic Radiology, UCSF
2013: Fellowship in Abdominal Radiology, UCSF

Professional Career

Faculty member of the UCSF Department of Radiology since 2013. Clinical radiologist in the abdominal imaging section at both UCSF Medical Center and San Francisco General Hospital. Director of MRI for UCSF since 2022.

Research Field

Dr. Ohliger's main research involves the development and clinical translation of new MRI techniques for the abdomen and pelvis, with a focus on molecular imaging of liver tumors, liver metabolism and liver injury. Current research projects involve using hyperpolarized carbon-13 MRI to image liver tumors as well as fatty liver disease. Dr. Ohliger also has a major research effort developing novel methods for imaging bacterial injection. Finally, Dr. Ohliger has worked to make MRI more accessible by developing clinical applications for low filed 0.55T MRI scanners.

Main Scientific Publications

- Hong CW, Yang Y, Remick I, Su P, Itriago-Leon P, Nickel MD, Fautz HP, Majeed W, Bergsland E, Hope TA, Ohliger MA. Flip Angle Optimization for Hepatobiliary Phase MRI at 0.55 T in Patients With Metastatic Neuroendocrine Tumors: A Prospective Study. AJR Am J Roentgenol. 2025 Apr 16. PMID: 40237428

- Ohliger MA, Grant AK, Sodickson DK. Ultimate intrinsic signal-to-noise ratio for parallel MRI: electromagnetic field considerations. Magn Reson Med. 2003 Nov; 50(5):1018-30.

- Agarwal S, Gordon J, Bok RA, von Morze C, Vigneron DB, Kurhanewicz J, Ohliger MA. Distinguishing metabolic signals of liver tumors from surrounding liver cells using hyperpolarized 13 C MRI and gadoxetate. Magn Reson Med. 2024 May; 91(5):2114-2125. PMID: 38270193

- Piraquive Agudelo J, Kim Y, Agarwal S, Sriram R, Bok R, Kurhanewicz J, Mattis AN, Maher JJ, von Morze C, Ohliger MA. Hyperpolarized [1-13 C] pyruvate MRSI to detect metabolic changes in liver in a methionine and choline-deficient diet rat model of fatty liver disease. Magn Reson Med. 2024 Apr; 91(4):1625-1636. PMID: 38115605. PMCID: PMC11032123

- Polvoy I, Seo Y, Parker M, Stewart M, Siddiqua K, Manacsa HS, Ravanfar V, Blecha J, Hope TA, Vanbrocklin H, Flavell RR, Barry J, Hansen E, Villanueva-Meyer JE, Engel J, Rosenberg OS, Wilson DM, Ohliger MA. Imaging joint infections using D-methyl-11C-methionine PET/MRI: initial experience in humans. Eur J Nucl Med Mol Imaging. 2022 09; 49(11):3761-3771. PMID: 35732972. PMCID: PMC9399217

- Lee PM, Chen HY, Gordon JW, Wang ZJ, Bok R, Hashoian R, Kim Y, Liu X, Nickles T, Cheung K, Alas FL, Daniel H, Larson PEZ, von Morze C, Vigneron DB, Ohliger MA. Whole-Abdomen Metabolic Imaging of Healthy Volunteers Using Hyperpolarized [1-13 C]pyruvate MRI. J Magn Reson Imaging. 2022 Apr 14. PMID: 35420227

- Ohliger MA, Gordon JW, Carvajal L, Larson PEZ, Ou JJ, Agarwal S, Zhu Z, Vigneron DB, von Morze C. 55 Mn-based fiducial markers for rapid and automated RF coil localization for hyperpolarized 13 C MRI. Magn Reson Med. 2020 Aug 01. PMID: 32738073

- Ohliger MA, von Morze C, Marco-Rius I, Gordon J, Larson PE, Bok R, Chen HY, Kurhanewicz J, Vigneron D. Combining hyperpolarized (13) C MRI with a liver-specific gadolinium contrast agent for selective assessment of hepatocyte metabolism. Magn Reson Med. 2016 Jun 14. PMID: 27298073.

- Ohliger MA, Grant AK, Sodickson DK. Ultimate intrinsic signal-to-noise ratio for parallel MRI: electromagnetic field considerations. Magn Reson Med. 2003 Nov; 50(5):1018-30.