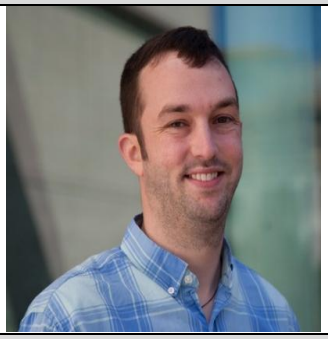
Curriculum Vitae

Personal Information

Title	**Professor**
Name	**Jeremy Gordon**
Degree	**PhD**
Country	**United States**
Affiliation	**University of California, San Francisco**



Educational Background

2008: B.S. in Physics & Astronomy from the University of Georgia
2013: Ph.D. in Medical Physics from the University of Wisconsin - Madison

Professional Career

2013 – 2016 Postdoctoral Scholar, Department of Radiology, University of California, San Francisco (Advisor: Peder Larson)
2016 – 2020 Senior Development Engineer, Department of Radiology, University of California, San Francisco
2020 – 2024 Assistant Professor, Department of Radiology, University of California, San Francisco
2024 – Present Associate Professor, Department of Radiology, University of California, San Francisco

Research Field

My research program is focused on the development and translation of novel techniques to acquire and analyze physiologic and metabolic data utilizing hyperpolarized ^{13}C and other x-nuclei such as ^{2}H. These methods are being developed to address currently unmet clinical needs by providing unique characterization of organ function, disease staging, and response to therapy, resulting in over 90 peer-reviewed publications.

Main Scientific Publications

1. **Gordon JW**, Niles DJ, Fain SB, Johnson KM. *Joint spatial-spectral reconstruction and k-t spirals for accelerated 2D spatial/1D spectral imaging of ^{13}C dynamics*. Magnetic Resonance in Medicine. 2014;71(4):1435-1445.
2. **Gordon JW**, Vigneron DB, Larson PEZ. *Development of a symmetric echo planar imaging framework for clinical translation of rapid dynamic hyperpolarized ^{13}C imaging*. Magn Reson Med. 2017;77(2):826-832. PMCID: PMC4992668.
3. **Gordon JW**, Autry AW, Tang S, Graham JY, Bok RA, Zhu X, Villanueva-Meyer JE, Li Y, Ohilger MA, Abraham MR, Xu D, Vigneron DB, Larson PEZ. *A variable resolution approach for improved acquisition of hyperpolarized ^{13}C metabolic MRI*. Magn Reson Med. 2020;84(6):2943-2952. PMCID: PMC7719570.
4. Qin H, Tang S, Riselli AM, Bok RA, Delos Santos R, van Crienkinge M, **Gordon JW**, Aggarwal R, Chen R, Goddard G, Zhang CT, Chen A, Reed G, Ruscitto DM, Slater J, Sriram R, Larson PEZ, Vigneron DB, Kurhanewicz J. *Clinical translation of hyperpolarized 13C pyruvate and urea MRI for simultaneous metabolic and perfusion imaging*. Magn Reson Med 2021. PMID: 34374471
5. Kim Y, Chen HY, Autry AW, Villanueva-Meyer J, Chang SM, Li Y, Larson PE, Brender JR, Krishna MC, Xu D, Vigneron DB, **Gordon JW**. *Denoising of hyperpolarized ^{13}C MR images of the human brain using patch-based higher-order singular value decomposition*. Magn Reson Med. 2021;86(5):2497-511. PMCID: PMC8530853.
6. 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 [1-13C]pyruvate MRI*. J Magn Reson Imaging 2022. PMID: 35420227
7. Chung BT, Kim Y, **Gordon JW**, Chen HY, Autry AW, Lee PM, Hu JY, Tan CT, Suszczynski C, Chang SM, Villanueva-Meyer JE, Bok RA, Larson PEZ, Xu D, Li Y, Vigneron DB. *Hyperpolarized [2-13C] pyruvate MR molecular imaging with whole brain coverage.* NeuroImage. 2023 Oct 15;280:120350. PMCID: PMC10530049
8. **Gordon JW**, Chen HY, Nickles T, Lee PM, Bok R, Ohliger MA, Okamoto K, Ko AH, Larson PE, Wang ZJ. *Hyperpolarized 13C metabolic MRI of patients with pancreatic ductal adenocarcinoma*. Journal of Magnetic Resonance Imaging. 2023 Dec 2. PMID: 38041836

9. Larson PEZ, Bernard JM, Bankson JA, Bøgh N, Bok RA, Chen AP, Cunningham CH, **Gordon JW**, Hövener JB, Laustsen C, Mayer D, McLean MA, Schilling F, Slater JB, Vanderheyden JL, von Morze C, Vigneron DB, Xu D, the HP 13C MRI Consensus Group. *Current methods for hyperpolarized [1-13C] pyruvate MRI human studies.* Magnetic Resonance in Medicine. 2024 Jun;91(6):2204-28.
10. Gao X, Qiao K, Wilson DM, Chaumeil MM, **Gordon JW**. *Deuterium Metabolic Imaging of the Brain Using 2-Deoxy-2-[2H2]-d-glucose: A Non-ionizing [18F]FDG Alternative*. JACS Au 2025;5(2):571-577.