A post-doctoral fellowship is available in the Department of Radiology and Biomedical Imaging at UCSF, working with Drs. Michael Ohliger and John Kurhanewicz. The fellow will be involved in hyperpolarized $^{13}$C MR metabolism and physiology studies involving several different preclinical models including prostate cancer, liver cancer, diffuse liver disease, and diabetes. The studies will utilize both living cells in bioreactors as well as animal models to identify and validate imaging markers of disease presence, severity and treatment response.

The ideal candidate should have a strong background in magnetic resonance spectroscopy and/or imaging with some experience in investigations of cells, organs or animal models and a strong interest in metabolism and metabolic diseases like cancer and diabetes.

The Biomedical NMR Laboratory within the NMR Lab on the Mission Bay Campus of UCSF occupies 1660 sq. ft. and houses two high field (500 and 600 MHz) Varian NMR spectrometers, and a low field (3T) animal imaging system and 1.5T bench top NMR (Pulsar™, Oxford Instruments) uniquely integrated with three HyperSense™ (Oxford Instruments) DNP polarizers enabling cell and tissue culture bioreactor and animal studies. The high field magnets have complimentary features, including high-resolution magic angle spinning (HR-MAS) spectroscopy capabilities, and micro-imaging capabilities. In addition, the facility has two 3T and 7T GE whole body MR scanners, coupled with two SpinLab polarizers suitable for human studies. The department also has facilities for cell and tissue molecular biology and RF coil fabrication.

If interested, please contact Dr. Michael Ohliger (Michael.ohliger@ucsf.edu) or Dr. John Kurhanewicz (John.Kurhanewicz@ucsf.edu).

**UCSF is an Affirmative Action/ Equal Opportunity Employer. All qualified applicants are encouraged to apply, including minorities and women. UCSF seeks candidates whose experience, teaching, research, or community service has prepared them to contribute to our commitment to diversity and excellence.**