Postdoctoral Position at University of California San Francisco (UCSF) in Metabolic Studies of Brain Tumor Models

A postdoctoral position is currently available working with Professor Sabrina Ronen in the Department of Radiology and Biomedical Imaging at the University of California, San Francisco (UCSF).

Research in the Ronen lab is focused on identifying and mechanistically validating MRS-detectable metabolic alterations that are associated with the development of brain tumors, and the response of brain tumors to treatment. Studies involve multinuclear \((^1\text{H}, ^3\text{P}, ^{13}\text{C}\text{ and hyperpolarized } ^{13}\text{C})\) NMR/MRS, MRI and MRS/I, as well as a range of complementary biological methods, investigating unique patient-derived and genetically-engineered brain tumor cell and animal models.

The ideal candidate should have a strong background in magnetic resonance spectroscopy and/or imaging, experience in biofluid, cell and/or \textit{in vivo} studies, familiarity with cell and molecular biological assays, and a strong interest in metabolism and cancer biology.

The successful applicant will work as part of a highly collaborative and multi-disciplinary team, and have access to a wide range of state-of-the-art equipment. The NMR Laboratory on the Mission Bay Campus of UCSF occupies 1,660 square feet and houses several high-field spectrometers including high-resolution 800, 600, 500 and 400MHz spectrometers for solution studies, as well as 500MHZ, 600MHz and 3T scanners integrated with dedicated HyperSense™ DNP polarizers for cell-bioreactor studies, high-resolution magic angle spinning spectroscopy and \textit{in vivo} animal imaging. Adjacent facilities house equipment for translational clinical work including 3T and 7T GE whole body MR scanners also integrated with polarizers. Additionally, a dedicated cell and molecular biology laboratory of over 600 square feet, fully equipped for biological studies is located in the same building and the applicant would have access to a wide range of facilities and equipment at world class The Helen Diller Family Comprehensive Cancer Center and the UCSF Brain Tumor Center.

Start date is flexible. If interested please contact Dr. Sabrina M. Ronen at sabrina.ronen@ucsf.edu (http://www.radiology.ucsf.edu/research/labs/ronen)

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.