POSTDOCTORAL POSITION IN BRAIN TUMOR METABOLIC IMAGING

LOCATION

San Francisco, CA, USA

CLOSING DATE

Applications will be considered until the position is filled.

CONTACT

To apply, please send a CV and the names of three references by email to Dr. Pavithra Viswanath (pavithra.viswanath@ucsf.edu).

DESCRIPTION

A postdoctoral position is available with Dr. Pavithra Viswanath and Dr. Sabrina Ronen at the Department of Radiology and Biomedical Imaging at the University of California at San Francisco (UCSF). The vision of the laboratory is to harness insights from tumor metabolism to drive the preclinical development of novel, metabolic imaging biomarkers and actionable therapeutic targets for brain tumors. Our research program is highly interdisciplinary and provides an opportunity to blend an understanding of brain tumor biology and metabolism with the goal of identifying novel ^{1}H-, ^{2}H- and hyperpolarized ^{13}C-magnetic resonance spectroscopy (MRS)-based imaging biomarkers.

QUALIFICATIONS

The successful candidate will be a highly motivated biomedical scientist with experience in cancer metabolic imaging as evidenced by peer-reviewed publications in reputable journals. The position requires a Ph.D. or M.D., Ph.D. degrees in Biomedical Engineering, Biochemistry or Cancer Biology. However, we will consider enthusiastic candidates from any scientific background.

This position requires significant wet lab work with preclinical cell and animal models of cancer using ^{1}H-, ^{2}H-, ^{31}P- and ^{13}C-MRS as well as molecular biological/biochemical assays. Experimental techniques that will be used by the candidate include cell culture, intracranial implantation of brain tumors, small animal (mouse and rat) handling, metabolite extraction, ^{1}H-, ^{2}H-,^{31}P- and ^{13}C-MRS (both thermally polarized and hyperpolarized), western blotting, enzyme activity assays, quantitative RT-PCR, RNA interference and immunohistochemistry. Candidates

with a proven track record of experience in these areas will be given preference. Prior experience in ^{2}H- or hyperpolarized ^{13}C-MRS will be considered a serious advantage. Strong written and oral English communication skills are required. The ability to work collaboratively as part of a larger team with people from similar and different backgrounds is essential.

ABOUT UCSF

The University of California, San Francisco (UCSF) is a leading university dedicated to promoting health worldwide through advanced biomedical research, graduate-level education in the life sciences and health professions, and excellence in patient care. It is the only campus in the 10-campus UC system dedicated exclusively to the health sciences.

EQUAL EMPLOYMENT OPPORTUNITY

The University of California San Francisco is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status, or genetic information.