POSTDOCTORAL POSITION IN BRAIN TUMOR METABOLIC IMAGING

DESCRIPTION
A postdoctoral position is available with Prof. Pavithra Viswanath and Prof. 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- and hyperpolarized $^{13}$C-magnetic resonance spectroscopy (MRS)-based imaging biomarkers and potential therapeutic targets.

QUALIFICATIONS
The successful candidate will be a highly motivated researcher with experience in cancer metabolism and/or 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, Cancer Biology or Neuroscience. However, we will consider candidates of any scientific background.

This position requires significant wet lab work with preclinical cell and animal models of brain tumors 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 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.

CONTACT INFORMATION
To apply, please send a CV and the names of three references by email to Dr. Pavithra Viswanath (pavithra.viswanath@ucsf.edu). Consideration of applications will begin immediately and continue until the position is filled.