UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

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PRATIK MUKHERJEE, M.D., PH.D.
PROFESSOR OF RADIOLOGY AND BIOMEDICAL IMAGING,
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ATTENDING NEURORADIOLOGIST
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Dear Prashant,

It is with high enthusiasm that I endorse your longstanding industry expertise in Artificial Intelligence (AI) and Informatics, especially for healthcare applications. As you know, I am a Professor of Radiology and Biomedical Imaging, Bioengineering and Therapeutic Sciences at UCSF, the Director of Neuroimaging of the Advanced Imaging Research Center at the San Francisco VA Medical Center (SFVAMC), and a board-certified clinical neuroradiologist. My research has increasingly focused on applying AI to improving brain imaging speed and quality as well as automatically extracting clinically useful information from brain CT and MRI, especially for patients with traumatic brain injury (TBI). This has included the development of deep learning technology and, more recently, generative AI technologies such as transformer neural networks and denoising diffusion models.

Since 2016 you have served as Industry Advisor, Data Science & AI, for my research at UCSF starting with a million-dollar project funded by the California Initiative to Advance Precision Medicine (CIAPM) that created the first successful AI algorithm for automated detection of life-threatening brain imaging features on head CT scans in patients presenting with neurological emergencies. You provided valuable industry support in successfully applying for the CIAPM award and, in 2017, this research resulted in a publication that we jointly worked on entitled “UCSF: AI for Imaging of Neurological Emergencies”. Since then, this AI project has resulted in further papers in prestigious peer-reviewed scientific journals as well as a patent that has been granted in both the USA and the European Union. We have continued to collaborate since then on AI for brain injury applications including appearing together on forums to advance this technology. I have found our recent conversations on generative AI particularly valuable in steering my research at both UCSF and the SFVAMC with respect to the bigger picture in informatics advancements in the healthcare and information technology (IT) industries.

I am very grateful for your successful efforts to raise awareness of the enormous potential of AI advances to improve the lives of patients, including those suffering from neurologic disorders such as TBI. I look forward to our further fruitful collaboration for many more years. Please do not hesitate to contact me with any questions.

Sincerely,

Pratik Mukherjee

Pratik Mukherjee, M.D., Ph.D.

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