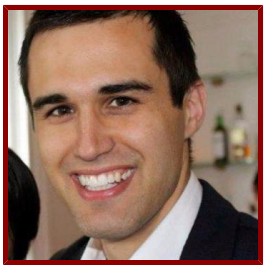
Stanford



Eric Peterson

Affiliate, Adult Neurology

Bio

BIO

I am a researcher with 10 years of experience in magnetic resonance imaging, which includes project management, data analysis, digital signal and image processing, image reconstruction, and pulse sequence design. I currently manage the day-to-day operations of a small animal MRI facility and work to ensure reliable data are collected for both human and animal imaging. I also work on MRI pulse sequence development, reconstruction, and analysis to better understand the sources and effects of alcohol addiction. I have also worked on clinical stroke imaging in CT and MRI, as well as techniques for high resolution 3D Diffusion-weighted MRI of the brain to better visualize white matter tracts in order to better detect the subtle changes associated with degenerative diseases such as Alzheimer's disease. I earned my PhD with a variety of work including cancer metabolism using hyperpolarized 13C, and data analysis of the effects of asthma on the lungs. My interests are research, technology, and healthcare.