

Dr. Daniel Reich is Senior Investigator at NIH/NINDS, where he directs the Translational Neuroradiology Section and leads clinical studies focusing on multiple sclerosis (MS). He studied math and physics at Yale and earned his MD from Cornell and his PhD in neurophysiology from The Rockefeller University. His training includes a fellowship in diagnostic neuroradiology and residencies in radiology and neurology at Johns Hopkins. He is a founder of the North American Imaging in MS cooperative and serves on the Advisory Committee of the Americas Committee for Treatment and Research in MS and the Scientific Advisory Board of the Race to Erase MS. He is an elected member of the American Society of Clinical Investigation, the 2015 winner of the American Neurological Association's Derek Denny-Brown Young Neurological Scholar Award, the 2016 winner of the National MS Society's Barancik Award for Innovation in MS Research, and a 2017 winner of the NIH Graduate Partnership Programs Outstanding Mentor Award. Research in Dr. Reich's lab develops advanced MRI techniques to understand MS and adapts those techniques for clinical trials and patient care. The lab harnesses noninvasive imaging modalities to dissect biological mechanisms of tissue damage, both by performing longitudinal studies on time scales relevant for disease processes and by examining radiological-pathological correlations in autopsy tissue and animal models. In 2018, Dr. Reich's lab reported that human and nonhuman primates have a lymphatic system in the membranes covering the brain and showed how that system can be imaged noninvasively with MRI.