Dr Daniel Sodickson

United States

Dr Sodickson is Chief of Innovation in the Department of Radiology at NYU Langone Health, Professor of Radiology and Physiology & Neuroscience at NYU Grossman School of Medicine, and Professor of Biomedical Engineering at NYU Tandon School of Engineering. As Vice Chair for Research in Radiology for many years, he led a transformation of imaging research at NYU, earning the department's Center for Advanced Imaging Innovation and Research (CAI2R) a designation as a National Center for Biomedical Imaging and Bioengineering.

Dr Sodickson is credited with foundational work in the field of parallel imaging, in which distributed arrays of detectors are used to gather magnetic resonance images at previously inaccessible speeds. Parallel imaging is now used in a majority of clinical and research MRI scans around the world. In 2006,

Dr Sodickson was awarded the Gold Medal of the International Society for Magnetic Resonance in Medicine (ISMRM), and in 2018 he completed a term as ISMRM president. He is also a Fellow of the ISMRM, a Distinguished Investigator of the Academy of Radiology Research, a Fellow of the US National Academy of Inventors, and a member of the National Advisory Council for the US National Institute of Biomedical Imaging and Bioengineering (NIBIB). He is particularly proud to have been awarded an honorary membership to the International Society for MR Radiographers and Technologists (ISMRT) in 2022.

Dr Sodickson currently oversees a multidisciplinary research team aiming to develop new technologies, new paradigms, and new use cases for biomedical imaging. This work leverages complementary tools in image acquisition, reconstruction, and analysis, including parallel imaging, compressed sensing, and artificial intelligence. Dr Sodickson also heads a new institute – Tech4Health – designed to bring emerging technologies such as continuous sensing and artificial intelligence to biomedicine. All in all, his work reflects a longstanding commitment to bringing people together to create new ways of seeing.