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Immediate Release

Daniel Sodickson named a Fellow of the National Academy of Inventors

BROOKLYN, New York, Monday, December 21, 2020 – [Daniel K. Sodickson](#), a professor of biomedical engineering at the [New York University Tandon School of Engineering](#); and of radiology, and neuroscience and physiology at [NYU Langone Health](#) has been named a [Fellow](#) of the [National Academy of Inventors](#) (NAI).

An innovator across the spectrum of biomedical imaging, Sodickson is joined by [Jin Kim Montclare](#), professor of chemical and biomolecular engineering at NYU Tandon, and director of the [Montclare Lab](#).

Sodickson and Montclare were cited by the NAI for their “prolific spirit of innovation in creating or facilitating outstanding inventions that have made a tangible impact on the quality of life, economic development, and the welfare of society.”

Sodickson, who is Vice Chair for Research in Radiology at NYU Langone Health, Director of the [Center for Advanced Imaging Innovation and Research](#) (a National Center for Biomedical Imaging and Bioengineering sponsored by the National Institutes of Health), and an affiliate of the [NYU WIRELESS](#) telecommunications research center at NYU Tandon, works with interdisciplinary teams to develop new techniques and technologies for biomedical [imaging](#) and [sensing](#). He is credited with founding the field of parallel imaging, in which distributed arrays of detectors are used to gather magnetic

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resonance images at previously inaccessible speeds. Parallel imaging hardware and software is now an integral part of MRI machines and is used routinely in MRI scans worldwide.

Among his many published papers and investigations are explorations of new imaging methods and equipment enabling rapid MRI as well as CT with low radiation exposure, evaluations of new imaging techniques and biomarkers in the brain, heart, abdomen, breast, and joints, studies of the interactions between electromagnetic waves and body tissues, and applications of artificial intelligence to medical imaging.

Preceding Sodickson and Montclare among those at NYU Tandon who have been named NAI Fellows are [Kurt Becker](#), Vice Dean for Research, Innovation and Entrepreneurship; [H. Jonathan Chao](#), professor of electrical and computer engineering; [Bud Mishra](#), professor and director of bioinformatics; and [Theodore \(Ted\) S. Rappaport](#), the David Lee/Ernst Weber Professor of Electrical Engineering and Founding Director of NYU WIRELESS.

Faculty from across NYU who have been elected NAI Fellows include NYU President Andy Hamilton, Jan T. Vilcek, Kenneth Perlin, Leslie Prichep and David Grier.

Sodickson and the other 2020 NAI Fellows will be inducted at the [10th Annual Meeting of the NAI](#) on June 7-9, 2021, in Tampa, Florida.

About the New York University Tandon School of Engineering

The NYU Tandon School of Engineering dates to 1854, the founding date for both the New York University School of Civil Engineering and Architecture and the Brooklyn Collegiate and Polytechnic Institute. A January 2014 merger created a comprehensive school of education and research in engineering and applied sciences as part of a global university, with close connections to engineering programs at NYU Abu Dhabi and NYU Shanghai. NYU Tandon is rooted in a vibrant tradition of entrepreneurship, intellectual curiosity, and innovative solutions to humanity's most pressing global challenges. Research at Tandon focuses on vital intersections between communications/IT, cybersecurity, and data science/AI/robotics systems and tools and critical areas of society that they influence, including emerging media, health, sustainability, and urban living. We believe diversity is integral to excellence, and are creating a vibrant, inclusive, and equitable environment for all of our students, faculty and staff. For more information, visit engineering.nyu.edu.

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