



Randolph J. Nudo, PhD

Dr. Nudo is professor and vice chair of Research, Department of Rehabilitation Medicine and the director of the Landon Center on Aging at the University of Kansas Medical Center. Dr. Nudo's Cortical Plasticity Laboratory focuses on understanding the brain's self-repair capacity after injury, and developing novel therapeutic approaches based on neuroscientific principles.

Dr. Nudo is principal investigator on an NIH funded project to study neural mechanisms of functional recovery after stroke. This grant has had continuous funding since 1993. Due to the cutting-edge nature of this research and the potential implications for future stroke treatments, Dr. Nudo was selected by the National Institute for Neurological Disorders and Stroke for the prestigious Javits Investigator Award in Neuroscience. He is also collaborating with electrical engineers at Case Western Reserve University on a grant from the Department of Defense to develop implantable electronic microdevices to repair pathways in the brain after traumatic brain injury. Dr. Nudo serves as co-investigator on a project to develop neural interfaces to alleviate disability after spinal cord injury.