Randolph J. Nudo, Ph.D. is a University Distinguished Professor and Vice Chairman of Research in the Department of Rehabilitation Medicine, and the Marion Merrell Dow Distinguished Professor in Aging at the Kansas University Medical Center. He is also the Director of the Landon Center on Aging and the Director of the Institute for Neurological Discoveries. He is a leading authority on neuroplasticity and recovery after brain injury, and is recognized internationally for his work on the effects of physiotherapy on functional plasticity after stroke. This work has been funded by NIH for over three decades. He currently holds other grants from the Department of Defense and private foundations for his research in traumatic brain injury and spinal cord injury. Dr. Nudo is the Editor-in-Chief of *Neurorehabilitation & Neural Repair*, a leading journal in the field of rehabilitation, and serves on the National Advisory Board for Medical Rehabilitation Research at NIH-NICHD. In addition to continuing fundamental research on post-stroke neuroplasticity, he and his colleagues are now developing microimplantable devices for repairing neural circuits after brain and spinal cord injury.