



Dr. Rajnish Bharadwaj

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- Dr. Rajnish Bharadwaj is a physician-scientist with clinical expertise in neuropathology.
- He received his MBBS from All India Institute of Medical Sciences, New Delhi and Ph.D. from University of Texas Southwestern Medical Center, Dallas.
- After finishing his graduate studies, he joined Johns Hopkins University School of Medicine as a postdoctoral fellow and worked on various problems pertaining to muscular and neuronal biology.
- Subsequently, he completed his residency in anatomic pathology and fellowship in neuropathology from University of Washington Medical Center, Seattle.
- Dr. Bharadwaj's primary research interests are in molecular mechanisms of neurodegenerative diseases.
- His ongoing research revolves around understanding the role of lipid droplet, mitochondrial and lysosomal dysfunction in neurodegeneration.
- He is currently focusing on a few genes, implicated in Parkinson's disease and a related movement disorder- Neurodegeneration with Brain Iron Accumulation (NBIA). Using the model organism *Drosophila melanogaster* as well as in vitro cell culture systems, he is trying to elucidate the roles of these genes in health and disease. To assess the broader relevance of the insights gleaned from basic research, Dr. Bharadwaj also plans to pursue translational research using postmortem brain tissue obtained from human patients.