

Neurodegenerative Diseases International: A Star Is Born

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Dr. Santiago Perez-Lloret is a leading expert in neurophysiology and neuropharmacology, renowned for his research and contributions to the field of neurodegenerative diseases. He is the Editor-in-Chief of Neurodegenerative Diseases International and holds the position of Chair at the Data Science Laboratory of the Pontifical Catholic University of Argentina and the National Research Council of Argentina. Additionally, he is an Associate Professor of Neurophysiology at the Medicine School of the University of Buenos Aires. Dr. Perez-Lloret has published over 130 papers in international medical journals and has an impressive Scopus H-index of 35. He obtained his MD and Ph.D. from the University of Buenos Aires and pursued further studies in pharmacoepidemiology, clinical pharmacology, and biostatistics in France. Dr. Perez-Lloret serves in key leadership roles, including as a Website Co-Editor for the International Parkinson's Disease and Movement Disorder Society and as an Associate Editor for *Frontiers in Pharmacology* and *BMC Neurology*. His research interests encompass Parkinson's disease, neurodegenerative disorder genetics, the impact of air pollution on neurological diseases, clinical epidemiology, and the implementation of Artificial Intelligence and Machine Learning algorithms in medicine. Through his expertise and dedication, Dr. Santiago Perez-Lloret continues to make significant contributions to advancing our understanding and treatment of neurodegenerative diseases.

Neurodegenerative diseases are complex and progressive disorders characterized by dysfunction and death of nerve cells within the central or peripheral nervous systems [1–4]. An insidious decline in cognitive, motor, or sensory functions characterizes these diseases. Patients with neurodegenerative diseases face several unmet needs, which can significantly impact their quality of life and the management of their condition, including disease-modifying treatments, early treatment and better biomarkers, personalized treatment approaches, and non-invasive monitoring, among others.

Neurodegenerative diseases encompass diverse conditions, including but not limited to Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis (ALS), frontotemporal dementia, and Spinocerebellar Ataxias. The underlying mechanisms driving neurodegeneration involve a combination of genetic, environmental, and cellular factors, often leading to the accumulation of abnormal protein aggregates within neurons, disruption of cellular signaling pathways, and inflammation [5–10]. These factors

contribute to the progressive loss of neuronal structure and function, ultimately leading to cell death and the associated clinical symptoms.

The Neurodegenerative Diseases International journal is committed to publishing high-quality peer-reviewed articles on all aspects of neurodegenerative diseases. New developments in these diseases are needed as Earth's population unprecedentedly ages. We welcome original and review articles on clinical investigation and basic research on any neurodegenerative disease from researchers all around the globe.

Conflicts of Interest

The author declares that there are no conflicts of interest.

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