

## Special Issue

# The Contribution of Neurogenetics in Disentangling the Pathophysiology of Neurodegenerative Diseases

### Message from the Guest Editors

The ‘undoing’ present at the level of neuronal networks and on neurons, as well as the accumulation of protein aggregates, are crucial factors that have been recognized, to date, as the primary causes of cognitive, sensory, and motor dysfunction. The identification of a prodromal phase in some of these disorders offers a valuable “window of opportunity” for making a powerful impact on disease onset and progression. To effectively address this challenge, an approach that recognizes neurodegeneration as an inherently cellular and molecular process is essential. In this complex scenario, translational neurogenetics emerges as the key discipline to achieve our goals by integrating genetic discoveries with clinical practice. For these reasons, we propose this Special Issue with the aim to compile high-quality original papers and comprehensive reviews of the literature that will make a significant and innovative contribution to the understanding and treatment of neurodegenerative diseases through the “looking glass” of neurogenetics.

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### Guest Editors

Prof. Dr. Giuseppe Lanza  
Dr. Michele Salemi  
Dr. Francesca Schillaci

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### Deadline for manuscript submissions

closed (31 March 2026)



## Life

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### Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

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