

Special Issue

Nerve Growth Factor (NGF): Molecular Functions and Therapeutic Implications

Message from the Guest Editors

Nerve Growth Factor (NGF) is a neurotrophin essential for the trophism and protection of central and peripheral neurons. Since its discovery in the 1950s by Rita Levi-Montalcini, extensive research has revealed its broader roles in cell development, proliferation, survival, and migration across various tissues, including the dermal, vascular, skeletal, and immune systems. Notably, NGF imbalance is linked to neurological disorders such as Alzheimer's and Parkinson's diseases. Given its multifaceted functions, NGF has emerged as a promising therapeutic target in both preclinical and clinical studies. This Special Issue invites original research and reviews that explore novel NGF molecular functions and translational applications to enhance existing therapeutic strategies or develop new ones.

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