

Special Issue

Neuronal Protein Homeostasis in Health and Disease

Message from the Guest Editor

Protein homeostasis is crucial for the maintenance of neuronal integrity and functions. Disturbances are associated with premature aging, neurodegenerative and neuropsychiatric diseases or inability to adapt to mild stresses. The protein balance is particularly challenged under stress imposed by, e.g., ischemia, nutrient deficiency, metabolic damage, infection, inflammation, axonal trauma, or immune attack, because ER stress may enhance mis-folding, and enhanced loads of damaged proteins need to be removed to allow for regeneration and renewal. In the present Special Issue, we invite contributions related to protein homeostasis in neurons and neurological diseases. For detailed information, you can refer to http://www.mdpi.com/journal/ijms/special_issues/proteostasis_neuronal_repair_longevity_2016.

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