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New Insights on Cellular Biology of Retinal Degenerations

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Deadline for manuscript submissions:
closed (26 August 2022)

Message from the Guest Editors

Inherited retinal degenerations (IRDs) represent one of the most recent groups of neural diseases associated with cellular protein homeostasis (proteostasis) disruption. Endoplasmic reticulum (ER) stress and unfolded protein response (UPR) signaling have been implicated in the etiopathogenesis of heritable forms of retinitis pigmentosa. This Special Issue aims to involve researchers working on retinal cell biology, including protein misfolding and network alterations, with a focus on retinal degenerations. Contributors may submit research articles, reviews, or original papers describing the identification of new misfolded proteins, their accumulation in retinal cells, their involvement in ER stress and UPR, the functional relationship with RPE, the construction of protein interaction networks, and the assembly of protein complexes formed by mutant proteins associated with retinal genetic diseases.

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Message from the Editor-in-Chief

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Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

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