

Special Issue

Ras Subfamily and Regulators in Human Disease and Repair

Message from the Guest Editors

In this Special Issue we focus on the impact of Ras and Ras-like GTPase proteins on human disease and repair. We believe that the impact of Ras and Ras-like proteins on brain cell functions such as neuronal survival, neuronal cell volume, synaptic transmission, synaptic connectivity, neuronal guidance, and myelination is rather underestimated. Ras and Ras-like proteins appear to be involved in neurodegenerative diseases i.e., Alzheimer's, Parkinson's and autism spectrum disorders. The therapeutic potential of Ras and Ras-like proteins as pharmacological targets or as agents counter-regulating the disease state by enhancement of tissue regeneration using novel strategies in magnetogenetics or optogenetics are just emerging. Manuscripts may cover either original data in a specialized field, short reviews or a comprehensive review e.g., bridging molecular and clinical perspectives. Contributions to any aspect discussed here are encouraged, as well as related topics not explicitly mentioned.

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Deadline for manuscript submissions

closed (30 June 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/24710

*International Journal of
Molecular Sciences*
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