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Ras Subfamily and Regulators in Human Disease and Repair

Guest Editors

Prof. Dr. Rolf Heumann, Prof. Dr. Christian Herrmann

Deadline

31 October 2019

Special Issue

Invitation to submit



Special Issue “**Ras Subfamily and Regulators in Human Disease and Repair**”

Dear Colleagues,

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.

- Ras-like proteins
- RASopathy
- neurodegenerative diseases
- GTPase activating proteins
- guanine nucleotide exchange factors
- synaptic transmission
- neuronal regeneration
- magneto protein therapy
- optogenetics
-

Prof. Dr. Rolf Heumann
Prof. Dr. Christian Herrmann
Guest Editors

Website: https://www.mdpi.com/journal/ijms/special_issues/Ras-like

Submission deadline: 31 October 2019

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