Message from the Guest Editors

Dear Colleagues,

In recent years, the understanding of ALS has been fundamentally revolutionized: Thus, it is considered a neuromuscular multisystem disease on a neurodegenerative basis which forms a disease spectrum with the frontotemporal dementias. Since the discovery of TDP43 as the major component of cytoplasmic polyubiquitinylated inclusions in 2006, many novel ALS-causing genes have been identified, with both genetic and pathological overlap with frontotemporal dementias. However, the functions or properties of these ALS genes can be grouped into distinct groups, which has had a significant impact on the understanding of pathophysiology. These groups include axon structure and function, protein metabolism (including autophagy and protein quality control), RNA metabolism (regulation transcription, splicing, RNA transport, RNA granule dynamics), as well as cytoplasmic protein mislocalization and phase transition. Thus, newly discovered mechanisms are increasingly being incorporated into novel therapeutic targets and strategies. This Special Issue aims to collect papers discussing such novel aspects of ALS research, from basic science to clinical translation.
Editors-in-Chief

Prof. Dr. Alexander E. Kalyuzhny
Neuroscience, UMN Twin Cities, 6-145 Jackson Hall, 321 Church St SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch
Biotech Research & Innovation Centre, The University of Copenhagen, Copenhagen, Denmark

Message from the Editorial Board

*Cells* has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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Contact Us

*Cells* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/cells
cells@mdpi.com
@Cells_MDPI