

## Special Issue

# Neurotransmitter Transporters in Health and Disease

### Message from the Guest Editors

Neurotransmitter transporters (NTTs) belong to the superfamily of solute carrier (SLC) membrane transporters. These versatile proteins play a central role in controlling neurotransmission, by mediating the rapid reuptake of neurotransmitters from the synaptic cleft into neuronal and glial cells. Over the last decade, ample reports in the literature have directly linked genetic mutations in NTTs to diseases including Parkinson's/dystonia, ataxia, epilepsy, mental and intellectual disability, and disorders of the auditory, visual, and muscular systems. Some of these NTT disease variants trigger folding and trafficking defects, whereas others alter transporter structure, impairing the binding, and/or translocation of endogenous substrates. In this Special Issue, we place particular emphasis on the molecular basis of NTTs in disease, from the atomic level to studies in animal models, and recent discoveries shedding light on novel targets that may incite the development of effective therapeutic strategies. Dr. Lyn Daws *Co-*

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### Guest Editors

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Dr. Lynette C. Daws

Dr. Ameya Sanjay Kasture

Dr. Shreyas Bhat

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### Deadline for manuscript submissions

closed (31 October 2022)



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*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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### Editors-in-Chief

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