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## Neurotransmitter Transporters in Health and Disease

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**Dr. Ameya Sanjay Kasture**

**Dr. Shreyas Bhat**

Deadline for manuscript  
submissions:

**closed (31 October 2022)**

### Message from the Guest Editors

Dear Colleagues,

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. Sonja Susic

Dr. Lyn Daws

*Guest Editors*

Dr. Ameya Sanjay Kasture

Dr. Shreyas Bhat

*Co-Guest Editors*



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**Special** Issue



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