



TSPO and Brain Disorders

Guest Editors:

Dr. Leo Veenman

Prof. Moshe Gavish

Prof. Dr. Abraham Weizman

Deadline for manuscript
submissions:

closed (31 December 2019)

Message from the Guest Editors

Dear Colleagues,

TSPO modulates the generation of various molecules, as well as the transport of such molecules over the outer mitochondrial membrane. Furthermore, the TSPO regulates inflammation and immune responses, as well as cell proliferation, migration, differentiation, and adhesion. These are all essential functions related to the various brain disorders and their healing. To address associated questions regarding these functions, including their roles in neurological disorders, numerous synthetic TSPO ligands have been designed, generally based on the tricyclic structure of benzodiazepines. Now, we are starting to understand that synthetic and natural ligands bind to various sites on the TSPO. Hopefully, the expansion of our knowledge on TSPO will lead to novel treatments for various brain disorders. Submissions dealing with all of these topics are welcome.

Keywords

- TSPO
- brain trauma
- brain disease
- neurodegeneration
- mental disorder
- astrocytes
- microglia
- neurons
- inflammation
- treatment





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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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