

Special Thematic Issue for the journal "Current Neuropharmacology"

basic and clinical research in psychopharmacology

Guest Editor: Qiang WANG

• Scope of the Thematic Issue:

This thematic issue will focus on the basic and clinical research on antipsychotic treatment for major mental diseases, touching upon the following studies: the efficacy and side effects of antipsychotics, mood stabilizers and antidepressants; the evaluation of drug efficacy using biomarkers (genetic markers, structural and functional images, neurocognitive functions, etc.); the exploration of new drug targets, such as the search for drugs that act on new targets and neural circuits to deal with the case that some patients do not respond to the blockade of dopamine D2 receptor due to clinical heterogeneity, although antipsychotics mainly take effect on dopamine D2 receptor. Moreover, inflammatory reactions may play a role in the onset of mental diseases, thereby the studies concerning the development of drugs for inflammation and immunity will also be highlighted in this thematic issue. Additionally, the traditional research in clinical pharmacology, to a large extent, is based on between-group comparisons, rarely assessing the treatment response on the individual level. Hence, research on personalized treatment is also a field worthy of encouragement and special attention.

Keywords: schizophrenia, bipolar disorder, depression, pharmacogenetics, neuroimaging, pharmacotherapy

Sub-topics:

- Clinical pharmacology
- Assessment of treatment response using biomarkers
- Personalized and optimal treatment of antipsychotic drugs

Tentative titles of the articles and list of contributors:

- "Lack of Early Efficacies of Antipsychotic Medications Predicts Subsequent Failure of Responses at Week 6: How Early It Would Be?"
- "Altered Effective Connectivity in Schizophrenic Patients with Auditory Verbal Hallucinations: A Resting-state fMRI Study with Granger Causality Analysis"
- "Longitudinal trajectory of antipsychotic response in patients with schizophrenia"
- "Childhood Trauma, white matter abnormality and IQ deficits in First-Episode Schizophrenia"
- "Gut microbial clues to bipolar disorder: state-of-the-art review of current findings and future directions"
- "Clinical efficacy of combination of quetiapine and Lithium or valproate for bipolar depression with mixed feature"
- "The gut microbiota dysbiosis-related amino acid metabolism alteration in schizophrenia"
- "Connectome-Based Prediction of Anxiety Symptoms Across Post-Traumatic Stress Disorder, Social Anxiety Disorder, and Generalized Anxiety Disorder"
- "Resting-state Connectome define neurophysiological subtypes of anxiety disorders"

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Schedule:

✧ Thematic issue submission deadline: May 11th, 2020

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