Potential Theme Issue Proposal Title: Topical collection on major psychosis: current findings on drug metabolism

This proposal for the Journal Current Drug Metabolism seeks to cover a broad range of topics in psychiatric neuroscience and therapeutics. The aim of this Theme Issue is to contribute to the scientific community regarding the drug metabolism and pharmacokinetic properties of antipsychotics, antidepressants and mood-stabilizers and other drugs in major psychosis. In addition, the side effects of these different drugs will also be explored. Novel results of original research are the priority to generate high-quality reviews particularly those addressing drug metabolism and pharmacokinetic, biochemistry, neurochemistry and genetic alterations.

The themes will cover how specific medications change genetic targets; activate distinct proteins pathways that lead to the behavior modulation and how long-term use can result in negative side effects. To be more specific, the genomic effects of antipsychotics and the association with weight gain will be assessed. The pros and cons of mood stabilizer medications will be discussed through their molecular pathway and potentially harmful effects. The safety limits of commonly used antidepressants and combinations in the elderly inducing cardiac abnormalities will also be explored. Topics range from basic biological mechanisms to therapeutic treatment utilizing the state of the art that connects molecular biology and behavior. This only highlights some of the topics that this Theme Issue will be covering. Renowned authors from different countries were invited to contribute to this Special Issue, which integrates and promotes different perspectives and opinions increasing the magnificence of the different topics.


Research authors invited: 22 researches were invited to contribute. At the moment, eight researches accepted to contribute to this Theme Issue. I am still waiting to receive comments from the other researches. It may take another few weeks due to the summer break.

Invited Researchers

Confirmed Contributors

1) University of Toronto and Centre for Addiction and Mental Health, Canada
Gustavo Scola, Ph.D

Preliminary Topic: An introduction, overview, and highlights of the different topics published in the Special Issue.

2) Centre for Addiction and Mental Health, Canada
Malgorzata Maciukiewicz, Ph.D.
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Preliminary Topic: Meta-analysis of gene variants of leptin gene associated with antipsychotic-induced weight gain effect

3) University of Sao Paulo, Brazil  
**Vanessa de Jesus, Ph.D**  
Postdoctoral Research Fellow  
Faculty of Medicine, Department of Psychiatry

Preliminary Topic: The interaction between medication and genome in Bipolar Disorders

4) The University of Texas, USA  
**Joao L. de Quevedo, M.D., Ph.D.**  
Professor, Department of Psychiatry & Behavioral Sciences  
Director, Translational Psychiatry Program  
Professor, Neuroscience Graduate Program, Graduate School of Biomedical Sciences, University of Texas Health Science Center at Houston  
Vice Chair of Faculty Development & Outreach, Department of Psychiatry & Behavioral Sciences  
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Preliminary Topic: The effects of specific “mood stabilizers or other medication” on the activity of GSK-3, PKC and transcription factors (focusing on epigenetic changes).

5) University of Sao Paulo, Brazil  
**Orestes V. Forlenza, M.D., Ph.D**  
Associate Professor  
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Preliminary Topic: Safety limits of commonly used antidepressants and combinations in the elderly, with focus on antidepressant-induced cardiac (ECG) abnormalities

6) Dokuz Eylul University Faculty of Medicine, Turkey  
**Ayşegül Özerdem, M.D., Ph.D.**  
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Preliminary Topic: Renal effects of long-term lithium use and its potential molecular link to cancer development

7) University of Lisbon, Portugal  
**Pedro Zuzarte. MD. Psych.**
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Preliminary Topic: The effect of medication on heart failure treatment and the prevalence of depression

8) University of Cagliari, Italy
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Preliminary Topic: (mini-review) topic in discussion