

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Psychiatry

**Manuscript NO:** 64860

**Title:** Novel approaches in schizophrenia - from risk factors and hypotheses to novel drug targets

**Reviewer's code:** 05775440

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Associate Research Scientist

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Czech Republic

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**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-02-28 03:15

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**Review time:** 8 Days and 4 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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## **SPECIFIC COMMENTS TO AUTHORS**

1 Title. Does the title reflect the main subject/hypothesis of the manuscript? YES 2  
Abstract. Does the abstract summarize and reflect the work described in the manuscript?  
YES 3 Key words. Do the key words reflect the focus of the manuscript? YES 4  
Background. Does the manuscript adequately describe the background, present status  
and significance of the study? YES 5 Methods. Does the manuscript describe methods  
(e.g., experiments, data analysis, surveys, and clinical trials, etc.) in adequate detail? YES  
6 Results. Are the research objectives achieved by the experiments used in this study?  
What are the contributions that the study has made for research progress in this field?  
YES This manuscript is a comprehensive review paper about the pathophysiology of  
schizophrenia, which can help us to understand the diagnosis and treatment of  
schizophrenia. 7 Discussion. Does the manuscript interpret the findings adequately  
and appropriately, highlighting the key points concisely, clearly and logically? Are the  
findings and their applicability/relevance to the literature stated in a clear and definite  
manner? Is the discussion accurate and does it discuss the paper's scientific significance  
and/or relevance to clinical practice sufficiently? YES, YES, YES 8 Illustrations and  
tables. Are the figures, diagrams and tables sufficient, good quality and appropriately  
illustrative of the paper contents? Do figures require labeling with arrows, asterisks etc.,  
better legends? YES 9 Biostatistics. Does the manuscript meet the requirements of  
biostatistics? YES 10 Units. Does the manuscript meet the requirements of use of SI  
units? YES 11 References. Does the manuscript cite appropriately the latest, important  
and authoritative references in the introduction and discussion sections? Does the author  
self-cite, omit, incorrectly cite and/or over-cite references? YES, NO 12 Quality of  
manuscript organization and presentation. Is the manuscript well, concisely and  
coherently organized and presented? Is the style, language and grammar accurate and

appropriate? YES 13 Research methods and reporting. Authors should have prepared their manuscripts according to manuscript type and the appropriate categories, as follows: (1) CARE Checklist (2013) - Case report; (2) CONSORT 2010 Statement - Clinical Trials study, Prospective study, Randomized Controlled trial, Randomized Clinical trial; (3) PRISMA 2009 Checklist - Evidence-Based Medicine, Systematic review, Meta-Analysis; (4) STROBE Statement - Case Control study, Observational study, Retrospective Cohort study; and (5) The ARRIVE Guidelines - Basic study. Did the author prepare the manuscript according to the appropriate research methods and reporting? YES 14 Ethics statements. For all manuscripts involving human studies and/or animal experiments, author(s) must submit the related formal ethics documents that were reviewed and approved by their local ethical review committee. Did the manuscript meet the requirements of ethics? YES This manuscript reviews the latest insights in the risk factors for schizophrenia, such as the possible function of neuromediators, neuroinflammation, cannabinoid hypothesis, gut-brain model, and some other hypotheses, which is a comprehensive review paper about the pathophysiology of schizophrenia. Besides, the authors summarize some novel approaches for schizophrenia treatment. This review paper can help us to understand the diagnosis and treatment of schizophrenia.