

Review of: "Insights into Psychoactive Drug Effects: The Role of Drug Discrimination Techniques"

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Potential competing interests: No potential competing interests to declare.

A first observation is related to references! From 40 references, 26 contain papers by Yuquan Chen and his team. They are increasing citations very much in the last two years!!!

Only 7 references are from authors different than Chinese!

A specific tool like Prisma or VOSviewer could be used!

The article offers a comprehensive overview of the use of drug discrimination techniques in psychopharmacology, yet it presents several areas where deeper analysis and critical evaluation could enhance its impact.

For instance, the historical background and methodological details are well-articulated, but there is a lack of discussion on the limitations and challenges of these techniques. More emphasis on potential biases in animal models, the ethical considerations of using animals in research, and a critical comparison with other behavioral pharmacology methods would provide a more balanced view.

The article mentions advancements in technology and molecular biology but does not delve deeply into how these innovations are transforming drug discrimination research. Incorporating specific examples of how cutting-edge techniques such as CRISPR, optogenetics, or advanced imaging technologies are being applied could highlight the evolving landscape of the field.

How do these techniques directly impact clinical practice or drug policy? Providing case studies or examples where drug discrimination findings have led to tangible changes in drug regulation or therapeutic approaches would strengthen the relevance of the article.

When discussing the subjective effects and temporal dynamics of drug discrimination, a deeper analysis of the variability in results across different studies and potential confounding factors would add rigor.

What are the limitations of current models in predicting human drug responses, and how can these be addressed? What new psychoactive substances pose challenges to existing discrimination techniques? Addressing these questions could provide a roadmap for future research.

A discussion on the ethical implications of drug discrimination research is notably absent. Considering the societal impact of psychoactive drug research, it would be beneficial to address the ethical considerations of animal testing and the

broader societal implications of such research, including the potential for misuse or unintended consequences of findings.

While the article serves as a solid introductory resource on drug discrimination techniques, its impact could be significantly enhanced by incorporating critical analysis, practical implications, recent advancements, and ethical considerations.