

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.

The manuscript titled "Advancements in Drug Discrimination Techniques" presents a concise and somewhat superficial examination of the principles, procedures, applications, and future prospects of drug discrimination techniques in preclinical drug development and psychopharmacological research. The authors describe some of the overarching characteristics of drug discriminative stimuli, drug discrimination procedures, subjective effects, temporal effects, stereoselectivity, receptor mechanisms, individual differences, and drug classification. Overall, the manuscript should be revised to ensure grammar is accurate and sentence structure is appropriate to improve readability.

I have several suggestions for areas of improvement:

1. Authors should ensure consistency in citation style throughout the manuscript and ensure the correct references are listed at the end of the manuscript.
2. Authors should consider restructuring the content into more distinct sections with clear headings to guide readers through the different aspects of drug discrimination techniques.
3. Authors should strengthen the conclusion by summarizing the key findings and emphasizing the significance of drug discrimination techniques in advancing drug development and understanding the effects of psychoactive substances on the nervous system.