Psychedelics

Table of Contents

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Cover Art

Cover Image: A laboratory mouse reaches toward an illuminated lightbulb in a vibrant, psychedelic-inspired setting, symbolizing the enhancement of cognitive flexibility following psychedelic treatment. The architectural columns frame a scene where traditional neuroscience meets the transformative potential of psychedelic research, while rainbow-hued patterns evoke the neural plasticity changes induced by serotonin 2A receptor activation. This artistic representation captures the key finding by Brouns et al. that a single dose of the psychedelic 25CN-NBOH produces sustained improvements in reversal learning and cognitive adaptability lasting weeks after administration, as demonstrated through automated behavioral paradigms (pages [29–35]). The imagery reflects the emerging understanding of how psychedelics may restore cognitive flexibility impaired in depression, PTSD, and neurodegenerative conditions through promotion of structural remodeling in the prefrontal cortex.

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