

Resource Summary Report

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Mouse Party

RRID:SCR_006438

Type: Tool

Proper Citation

Mouse Party (RRID:SCR_006438)

Resource Information

URL: <http://learn.genetics.utah.edu/content/addiction/drugs/mouse.html>

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Description: Mouse Party is an interactive website that teaches how various drugs disrupt the synapse by taking a look inside the brains of mice on drugs! Every drug of abuse has its own unique molecular mechanism. Where applicable, this presentation primarily depicts how drugs interact with dopamine neurotransmitters because this website focuses on the brain's reward pathway. Mouse Party is designed to provide a small glimpse into the chemical interactions at the synaptic level that cause the drug user to feel "high". The simplified mechanisms of drug action presented here are just a small part of the story. When drugs enter the body they elicit very complex effects in many different regions of the brain. Often they interact with many different types of neurotransmitters and may bind with a variety of receptor types in a variety of different locations. For example, THC in marijuana can bind with cannabinoid receptors located on the presynaptic and/or postsynaptic cell in a synapse.

Abbreviations: Mouse Party

Resource Type: narrative resource, data or information resource, training material, video resource

Keywords: drug of abuse, ecstasy, mdma, excitatory neurotransmitter, gaba, gaba-gated anionic channel, alcohol, anandamide, brain, cannabinoid, cannabinoid receptor, cocaine, dopamine, dopamine receptor, dopamine transporter, glutamate, glutamate receptor, heroin, inhibitory neurotransmitter, locus ceruleus, lsd, marijuana, methamphetamine, neurotransmitter, neurotransmitter receptor, neurotransmitter secretion, neurotransmitter transport, neurotransmitter uptake, reward pathway, serotonin, serotonin receptor, serotonin transport, serotonin transporter, synapse, synaptic cleft, tetrahydrocannabinol

Resource Name: Mouse Party

Resource ID: SCR_006438

Alternate IDs: nif-0000-00429

Record Creation Time: 20220129T080236+0000

Record Last Update: 20260805T044136+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Party.

No alerts have been found for Mouse Party.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.