

DA Hypothesis

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History of the dopamine hypothesis of antipsychotic action

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The dopamine hypothesis of schizophrenia, which was formulated in the **1960s** after the discovery of the antipsychotic actions of chlorpromazine, was extremely successful as a heuristic principle for interpreting aspects of the phenomenology of schizophrenia. The development of improved antipsychotic medications was guided by a search for dopamine blockers based on the concept that schizophrenia is, in part, a hyperdopaminergic state.

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The "dopamine hypothesis" of schizophrenia arose from the serendipitous discovery by Jean Delay and Pierre Deniker in **1952** of the antipsychotic effects of chlorpromazine, first developed as a presurgical sedative (Delay et al., 1952).

Author: Gerhard Grunder, Paul Cumming

Cited by: 23

Publish Year: 2016

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The dopamine hypothesis of schizophrenia is a model that attributes the positive symptoms of psychosis to a disturbed and hyperactive dopaminergic signal transduction. The model draws evidence from the observation that a large number of antipsychotics have dopamine-receptor antagonistic effects. The theory, however, does not posit dopamine overabundance as a complete explanation for schizophrenia. Rather, the overactivation of D2 receptors, specifically, is one effect of the global chemical synaptic dysregulation observed in this disorder.

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The dopamine hypothesis of schizophrenia, which was formulated in the **1960s** after the discovery of the antipsychotic actions of chlorpromazine, was extremely successful as a heuristic principle for interpreting aspects of the phenomenology of schizophrenia. The development of improved antipsychotic medications was guided by a search for dopamine blockers based on the concept that schizophrenia is, in part, a hyperdopaminergic state.

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<https://pubmed.ncbi.nlm.nih.gov/12481477>

The origin of the hypothesis is traced to the recognition that neuroleptic drugs interfere with **brain dopamine** function. This insight was derived from two distinct lines of research. The first line originated...

Cited by: 136

Author: Alan A. Baumeister, Jennifer L. Francis

Publish Year: 2002

The Dopamine Hypothesis of Schizophrenia: Version III—The ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2669582>

Mar 26, 2009. The Dopamine Hypothesis: Version II. In 1991, Davis et al. published a landmark article

Dopamine Hypothesis of Schizophrenia

The dopamine hypothesis of schizophrenia or the dopamine hypothesis of psychosis is a model that attributes the positive symptoms of schizophrenia to a disturbed and hyperactive dopaminergic signal transduction. The model draws evidence from the observation that a large number of antipsychotics have dopamine-receptor antagonistic effects. The theory, however, does not posit dopamine overabundance as a complete explanation for schizophrenia. Rather, the overactivation of D2 receptors, specifically, is one effect of the global chemical synaptic dysregulation observed in this disorder.

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