



## Neurotoxicology in Endocrinal Disruption

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### Abstract

This review explores the intricate interplay between neurotoxicology and endocrine disruption, shedding light on the complex interactions that occur at the intersection of these two fields. Neurotoxicology investigates the adverse effects of substances on the nervous system, while endocrine disruption focuses on the interference with hormonal signaling pathways. Recognizing the interconnectedness of these disciplines is crucial for understanding the comprehensive impact of environmental exposures on human health. The nervous system and the endocrine system share a dynamic relationship, with hormones playing pivotal roles in neurodevelopment and function. Environmental neurotoxicants, ranging from heavy metals to industrial chemicals, have been implicated in neurodevelopmental disorders and neurodegenerative diseases. The review explores the potential crosstalk between neurotoxicants and endocrine

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the intricate relationship between neurotoxicology and endocrine disruption has emerged as a compelling area of research, drawing attention to the interconnectedness of the nervous and endocrine systems and the potential synergistic impact of environmental exposures. Neurotoxicology investigates the adverse effects of substances on the nervous system, encompassing a spectrum of

informing strategies to safeguard vulnerable populations from the adverse consequences of combined exposures.

#### **References**

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