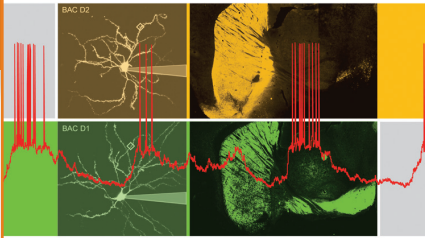


MEDICAL

# Handbook of Basal Ganglia Structure and Function

A Decade of Progress



Edited by: Heinz Steiner and Kuei Y. Tseng



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## AUDIENCE

Neuroscience researchers, clinicians and graduate students

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# Handbook of Basal Ganglia Structure and Function

Edited by **Heinz Steiner**, Heinz Steiner, Ph.D., Department of Cellular and Molecular Pharmacology, Rosalind Franklin University of Medicine and Science, The Chicago Medical School

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**Integrated overview of the structural and functional aspects of the basal ganglia, highlighting clinical relevance**



## KEY FEATURES

- Synthesizes widely dispersed information on the behavioral neurobiology of the basal ganglia, including advances in the understanding of anatomy, cell-molecular and cell-physiological mechanisms, and behavioral/clinical aspects of function and dysfunction
- Features a truly international cast of the preeminent researchers in the field
- Fully explores the clinically relevant impact of the basal ganglia on various psychiatric and neurological diseases

## DESCRIPTION

The basal ganglia, a group of forebrain nuclei, are involved in motor control, cognition, and mnemonic functions. Numerous disorders are associated with basal ganglia dysfunction - Parkinson's, Tourette's, Huntington's, cerebral palsy, ADHD, and OCD - giving study a high degree of clinical relevance. This volume offers a comprehensive overview with general anatomical organization and evolution being covered in full, as well as detailed accounts of specific recent advances in anatomy, cellular/molecular, cellular/physiological mechanisms, and our understanding of the behavioral and clinical aspects of function and dysfunction. There is currently no reference that integrates the widely dispersed material on these structures and their functions, and this volume fills an important gap in neurobiological literature.

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