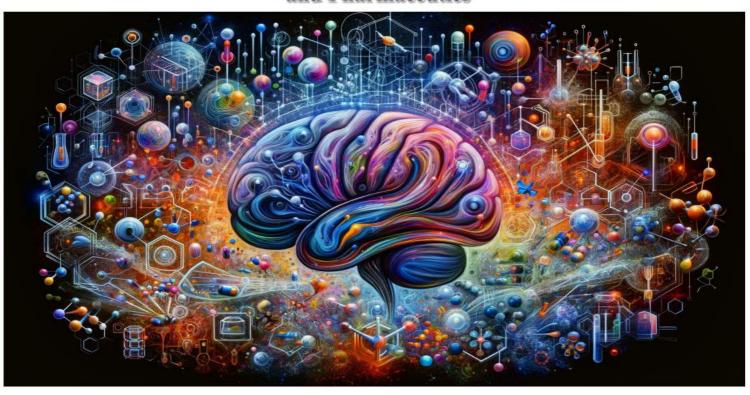
# Call for Book Chapters/Research Papers for Edited Books To be published with ISBN under IIP International publishers, USA and India

NeuroPillars: Foundations and Frontiers in Neuropharmacology and Pharmaceutics



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## **Important dates:**

Chapter/Paper submission starts on: 24/12/2023 Last date for chapter/paper submission: 24/04/2024

Acceptance notification: 04/05/2024 Last date for the registration: 24/06/2024

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# Call for Chapters

# NeuroPillars: Foundations and Frontiers in Neuropharmacology and Pharmaceutics

#### Aims and Scope:

The aim of the book "NeuroPillars" is to provide a comprehensive and insightful exploration of the multifaceted landscape of neuropharmacology and pharmaceutics. This book seeks to establish a robust foundation while simultaneously pushing the frontiers of knowledge in these critical fields. Through a synthesis of established principles and cutting-edge research, NeuroPillars aims to serve as an authoritative resource for scholars, researchers, and practitioners involved in unraveling the complexities of neuropharmacology and advancing pharmaceutical solutions for neurological disorders. Foundational Principles: An in-depth look at the essential concepts of neuropharmacology, focusing on molecular, cellular, and systemic aspects of drug action in the nervous system. Current Advances: Coverage of the latest developments in neuropharmacology, highlighting recent breakthroughs, emerging technologies, and new therapeutic approaches. Interdisciplinary Perspectives: A holistic approach that combines insights from pharmacology, neuroscience, and pharmaceutics, fostering an integrated understanding of neuro pharmaceutical interventions. Clinical Applications: Examination of how neuropharmacological research translates into clinical practice, featuring case studies and discussions on applying research findings to treat neurological conditions. Emerging Technologies: Exploration of advanced technologies like AI, nanotechnology, and precision medicine in neuropharmacological research and drug development. Global Perspectives: A comprehensive view incorporating international expert insights, emphasizing cross-cultural collaboration and understanding in neuropharmacology and pharmaceutics. In essence, "NeuroPillars" is envisioned as a scholarly work that not only elucidates the foundational principles of neuropharmacology but also serves as a beacon guiding researchers and practitioners toward the frontiers of innovation, ultimately contributing to the advancement of neurological therapeutics and the improvement of patient outcomes.

#### **Book Content Outline:**

#### ·Introduction to Neuropharmacology and **Pharmaceutics**

Understanding the Basics of Neuropharmacology. The Journey of Brain-Targeted Drug

Embracing an Interdisciplinary Approach.

 Essentials of Neuropharmacology Exploring the Neuronal Landscape. The Role of Neurotransmitters

Drug-Receptor Dynamics and Signaling.

#### · Principles of Pharmaceutics

The Foundation of Drug Formulation. Innovations in Drug Delivery Systems. An Overview of Pharmacokinetics

#### Advanced Strategies in CNS Drug Delivery Navigating the Blood-Brain Barrier Nanotechnology in CNS Drug Delivery.

Designing Targeted and Sustained Release Systems

· Therapeutic Agents and Their Clinical Applications

Psychotropic Drugs: Understanding their Impact Addressing Neurodegenerative Diseases New Developments in Epilepsy and Pain Management

# in Neuro-Pharmaceutics

- Navigating Ethical and Regulatory
- · The Future of Neuropharmacology and Pharmaceutics
- •Conclusion: The Future of Integrated Neuropharmacology
- · 7.1 Integrating Insights for Improved Outcomes
- · 7.2 Looking Forward in Neuro-Pharmaceutical Research

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