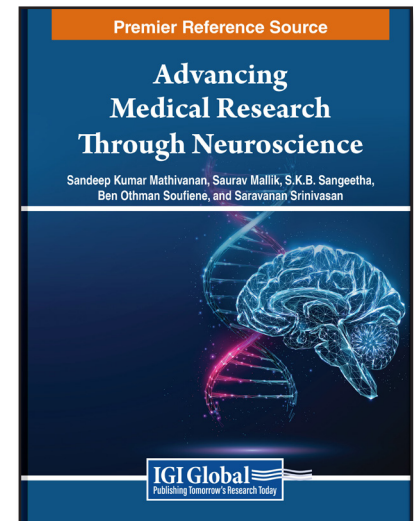


Advancing Medical Research Through Neuroscience

Part of the Advances in Medical Education, Research, and Ethics Book Series

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In the field of medical research, scholars must leverage the latest advancements in neuroscience to revolutionize healthcare outcomes. This book offers a compelling exploration into the dynamic intersection of neuroscience and medical science, presenting a comprehensive guide to the latest advancements shaping healthcare. Delving deep into the intricate workings of the brain and nervous system, this book provides a foundational understanding of neuroscience principles, setting the stage for groundbreaking insights into medical breakthroughs.

From unraveling the mysteries of neurological disorders to harnessing the brain's remarkable ability to heal itself through neuroplasticity, each chapter within **Advancing Medical Research Through Neuroscience** explores specific aspect of neuroscience's impact on medical research. Cutting-edge technologies such as functional MRI and optogenetics are examined alongside innovative treatment strategies for conditions ranging from addiction to neurodegenerative diseases like Alzheimer's and Parkinson's.

Featuring case studies and interviews with leading researchers and healthcare professionals, this book offers invaluable insights into the challenges, opportunities, and ethical considerations within the field. Whether you're a student, researcher, or healthcare professional, this book serves as an indispensable resource, inspiring collaboration and innovation to drive progress in healthcare and improve patient outcomes.

ISBN: 9798369354643

Pages: 350

Copyright: 2025

Release Date: July, 2024

Hardcover: \$435.00

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