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Titolo	Animal Models of Neurological Disorders : Principle and Working Procedure for Animal Models of Neurological Disorders / / edited by Puneet Kumar Bansal, Rahul Deshmukh
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2017
ISBN	981-10-5981-0
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XVIII, 343 p. 68 illus., 45 illus. in color.)
Disciplina	612.8
Soggetti	Neurosciences Animal models in research Neurobiology Pharmacology Animal Models Pharmacology/Toxicology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- Behavioral observation in neurological disorders -- Anesthesia used in experimental laboratory -- Euthanasia procedure used in experimental laboratory -- Animal models of Epilepsy -- Animal models of Alzheimer’s -- Animal models of Parkinson's -- Animal models of Huntington's -- Animal models of Stroke and Traumatic brain injury -- Animal models of Migraine -- Animal models of Antipsychotics (Schizophrenia).
Sommario/riassunto	This book introduces undergraduate, postgraduate and research students and scientists to animal models of neurological disorders, along with their working principle and brief procedures. Addressing all the disorders related to the central nervous system (CNS) in a single platform, on the basis of various literature surveys it describes different procedures to induce a single disease with the help of toxins/chemicals. It also includes numerous protocols for inducing single neurological diseases, thus fulfilling an urgent need for a book that makes specific procedures for neurological disorders available, so

that specific disease can be induced in laboratories according to the availability of resources. Further, it acquaints readers with the pathological changes that occur in a particular neurological disorder, which reflect specific signs and symptoms of any particular disease, and examines how they affect everyday life. It is a valuable resource for researchers aiming to eradicate or improve neurological disorders by testing the benefits of different drugs.