

1. Record Nr.	UNINA9910484098603321
Titolo	Models and Techniques in Stroke Biology // edited by Amit Kumar Tripathi, Abhishek Kumar Singh
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2021
ISBN	981-336-679-6
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (vii, 115 pages) : illustrations
Collana	Biomedical and Life Sciences Series
Disciplina	574.028
Soggetti	Neurosciences Diseases - Animal models Biology - Technique Neuroscience Disease Models Experimental Organisms
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1 Rodent Stroke Model Guidelines: An Update -- 2 Bilateral Common Carotid Artery Occlusion: Stroke Model -- 3 Cerebral Venous Sinus Thrombosis Rodent Model -- 4 A Non- Human Primate Model for Cerebral Stroke -- 5 Laser Doppler Flowmetry Recording for Rodent Stroke Model Confirmation -- 6 Laser Speckle Imaging for Cerebral Ischemia and Reperfusion Injury -- 7 Cerebrovascular imaging in a rodent stroke model -- 8 Photothrombotic stroke model. .
Sommario/riassunto	This book summarizes various tools and techniques used to provide insights into the cellular and molecular pathophysiology of stroke. It also presents rodent animal models to help shed light on the pathophysiology of ischemic stroke. Presenting the latest information on the different types of stroke, including embolic, filament, photothrombotic, and bilateral common carotid artery, the book also describes techniques that are used for confirmation of stroke surgery, such as laser speckle imaging (LSI) and laser Doppler flowmetry (LDF), and discusses the non-human primates that are used in stroke surgery, cerebral venous sinus thrombosis, and neurobehavioral assessment. Lastly, it analyzes various neuroprotective agents to treat and prevent

ischemic stroke, and examines the challenges and advances in treating and preventing acute ischemic stroke.

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