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Titolo	Stereotaxic Neurosurgery in Laboratory Rodent : Handbook on Best Practices // by Barbara Ferry, Damien Gervasoni, Catherine Vogt
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Descrizione fisica	1 online resource (198 p.)
Disciplina	573.8 610 612.8 616.027 616.02733
Soggetti	Neurosciences Neurobiology Nervous system - Surgery Animal models in research Surgery Neurosurgery Animal Models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Regulatory and Ethical Considerations -- Elements of Descriptive Neuroanatomy -- Elements of Functional Neuroanatomy: The Major Neurotransmitter Systems -- Stereotaxic Approach of a Target Structure -- Preparation of the Stereotaxic Surgical Procedure -- Post-mortem examination of animals.
Sommario/riassunto	Stereotaxic neurosurgery in rodents is used by a variety of people working at research laboratories (research staff, technicians, students at animal facilities...). The present handbook presents all the steps necessary to complete a stereotaxic neurosurgery protocol in accordance with current animal welfare guidelines. This book will guide surgeons step by step, from anesthesia to the post-surgery recovery procedures, including asepsis of the surgical tools and surgical zone,

analgesia, correctly identifying the reference points on the skull and brain targets, etc. In keeping with the current international trends, the authors above all focus on the following points: the consideration of pain and how to best treat it depending on the type of surgery; and ensuring asepsis. This book will serve as an important reference work and valuable guidebook for the scientific community.
