Record Nr.	UNINA9910298409803321
Autore	Kumazawa-Manita Noriko
Titolo	The 3D Stereotaxic Brain Atlas of the Degu : With MRI and Histology Digital Model with a Freely Rotatable Viewer / / by Noriko Kumazawa- Manita, Tsutomu Hashikawa, Atsushi Iriki
Pubbl/distr/stampa	Tokyo : , : Springer Japan : , : Imprint : Springer, , 2018
ISBN	4-431-56615-5
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (149 pages)
Collana	Brain Science, , 2570-0197
Disciplina	616.8047548
Soggetti	Neurosciences
	Behavioral sciences
	Animal anatomy
	Human physiology
	Behavioral Sciences
	Animal Anatomy / Morphology / Histology
	Human Physiology
Lingua di pubblicazione	Inglese
Lingua di pubblicazione Formato	Inglese Materiale a stampa
Lingua di pubblicazione Formato Livello bibliografico	Inglese Materiale a stampa Monografia
Lingua di pubblicazione Formato Livello bibliografico Note generali	Inglese Materiale a stampa Monografia Includes index.
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di contenuto	Inglese Materiale a stampa Monografia Includes index. Chapter 1: Introduction, Materials and Methods, and References
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di contenuto	Inglese Materiale a stampa Monografia Includes index. Chapter 1: Introduction, Materials and Methods, and References Chapter 2: List of Structures Chapter 3: The Degu Brain Atlas Chapter 4: SC ave Operation Manual - Index of Structures and
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di contenuto	Inglese Materiale a stampa Monografia Includes index. Chapter 1: Introduction, Materials and Methods, and References Chapter 2: List of Structures Chapter 3: The Degu Brain Atlas Chapter 4: SG-eye Operation Manual Index of Structures and Abbreviations.
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di contenuto Sommario/riassunto	Inglese Materiale a stampa Monografia Includes index. Chapter 1: Introduction, Materials and Methods, and References Chapter 2: List of Structures Chapter 3: The Degu Brain Atlas Chapter 4: SG-eye Operation Manual Index of Structures and Abbreviations. This is the first digital atlas of the degu brain with microscopic features
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di contenuto Sommario/riassunto	Inglese Materiale a stampa Monografia Includes index. Chapter 1: Introduction, Materials and Methods, and References Chapter 2: List of Structures Chapter 3: The Degu Brain Atlas Chapter 4: SG-eye Operation Manual Index of Structures and Abbreviations. This is the first digital atlas of the degu brain with microscopic features simultaneously in Nissl sections and magnetic resonance imaging (MRI).
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di contenuto Sommario/riassunto	Inglese Materiale a stampa Monografia Includes index. Chapter 1: Introduction, Materials and Methods, and References Chapter 2: List of Structures Chapter 3: The Degu Brain Atlas Chapter 4: SG-eye Operation Manual Index of Structures and Abbreviations. This is the first digital atlas of the degu brain with microscopic features simultaneously in Nissl sections and magnetic resonance imaging (MRI). As an experimental animal model, the degu contributes to a variety of
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di contenuto Sommario/riassunto	Inglese Materiale a stampa Monografia Includes index. Chapter 1: Introduction, Materials and Methods, and References Chapter 2: List of Structures Chapter 3: The Degu Brain Atlas Chapter 4: SG-eye Operation Manual Index of Structures and Abbreviations. This is the first digital atlas of the degu brain with microscopic features simultaneously in Nissl sections and magnetic resonance imaging (MRI). As an experimental animal model, the degu contributes to a variety of medical research fields in diabetes, hyperglycemia, pancreatic function, and adaptation to high attitude among others. Becontly the degu brain
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di contenuto Sommario/riassunto	Inglese Materiale a stampa Monografia Includes index. Chapter 1: Introduction, Materials and Methods, and References Chapter 2: List of Structures Chapter 3: The Degu Brain Atlas Chapter 4: SG-eye Operation Manual Index of Structures and Abbreviations. This is the first digital atlas of the degu brain with microscopic features simultaneously in Nissl sections and magnetic resonance imaging (MRI). As an experimental animal model, the degu contributes to a variety of medical research fields in diabetes, hyperglycemia, pancreatic function, and adaptation to high altitude, among others. Recently the degu has gained increasing importance in the field of neuroscience, particularly
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di contenuto Sommario/riassunto	Inglese Materiale a stampa Monografia Includes index. Chapter 1: Introduction, Materials and Methods, and References Chapter 2: List of Structures Chapter 3: The Degu Brain Atlas Chapter 2: List of Structures Chapter 3: The Degu Brain Atlas Chapter 4: SG-eye Operation Manual Index of Structures and Abbreviations. This is the first digital atlas of the degu brain with microscopic features simultaneously in Nissl sections and magnetic resonance imaging (MRI). As an experimental animal model, the degu contributes to a variety of medical research fields in diabetes, hyperglycemia, pancreatic function, and adaptation to high altitude, among others. Recently the degu has gained increasing importance in the field of neuroscience, particularly in studies evaluating the relationship between sociality and cognitive
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di contenuto Sommario/riassunto	Inglese Materiale a stampa Monografia Includes index. Chapter 1: Introduction, Materials and Methods, and References Chapter 2: List of Structures Chapter 3: The Degu Brain Atlas Chapter 4: SG-eye Operation Manual Index of Structures and Abbreviations. This is the first digital atlas of the degu brain with microscopic features simultaneously in Nissl sections and magnetic resonance imaging (MRI). As an experimental animal model, the degu contributes to a variety of medical research fields in diabetes, hyperglycemia, pancreatic function, and adaptation to high altitude, among others. Recently the degu has gained increasing importance in the field of neuroscience, particularly in studies evaluating the relationship between sociality and cognitive brain functions, and in studies pertaining to the evolutional aspects of
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di contenuto Sommario/riassunto	Inglese Materiale a stampa Monografia Includes index. Chapter 1: Introduction, Materials and Methods, and References Chapter 2: List of Structures Chapter 3: The Degu Brain Atlas Chapter 4: SG-eye Operation Manual Index of Structures and Abbreviations. This is the first digital atlas of the degu brain with microscopic features simultaneously in Nissl sections and magnetic resonance imaging (MRI). As an experimental animal model, the degu contributes to a variety of medical research fields in diabetes, hyperglycemia, pancreatic function, and adaptation to high altitude, among others. Recently the degu has gained increasing importance in the field of neuroscience, particularly in studies evaluating the relationship between sociality and cognitive brain functions, and in studies pertaining to the evolutional aspects of the acquisition of tool-use abilities. Furthermore, aging-related brain
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di contenuto Sommario/riassunto	Inglese Materiale a stampa Monografia Includes index. Chapter 1: Introduction, Materials and Methods, and References Chapter 2: List of Structures Chapter 3: The Degu Brain Atlas Chapter 4: SG-eye Operation Manual Index of Structures and Abbreviations. This is the first digital atlas of the degu brain with microscopic features simultaneously in Nissl sections and magnetic resonance imaging (MRI). As an experimental animal model, the degu contributes to a variety of medical research fields in diabetes, hyperglycemia, pancreatic function, and adaptation to high altitude, among others. Recently the degu has gained increasing importance in the field of neuroscience, particularly in studies evaluating the relationship between sociality and cognitive brain functions, and in studies pertaining to the evolutional aspects of the acquisition of tool-use abilities. Furthermore, aging-related brain dysfunction in humans can be studied using this animal model in addition to mammals with much longer lifespane. This brain atlas in
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di contenuto Sommario/riassunto	Inglese Materiale a stampa Monografia Includes index. Chapter 1: Introduction, Materials and Methods, and References Chapter 2: List of Structures Chapter 3: The Degu Brain Atlas Chapter 4: SG-eye Operation Manual Index of Structures and Abbreviations. This is the first digital atlas of the degu brain with microscopic features simultaneously in Nissl sections and magnetic resonance imaging (MRI). As an experimental animal model, the degu contributes to a variety of medical research fields in diabetes, hyperglycemia, pancreatic function, and adaptation to high altitude, among others. Recently the degu has gained increasing importance in the field of neuroscience, particularly in studies evaluating the relationship between sociality and cognitive brain functions, and in studies pertaining to the evolutional aspects of the acquisition of tool-use abilities. Furthermore, aging-related brain dysfunction in humans can be studied using this animal model in addition to mammals with much longer lifespans. This brain atlas is constructed to provide histological and volume-rendered information

1.

simultaneously, fitting with any spatial coordination in brain
positioning. It can be a useful guide to degus as well as to other
rodents for studies of brain structures conducted using MRI or other
contemporary examination methods with volume-rendering functions.