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Descrizione fisica	1 online resource (91 p.)
Altri autori (Persone)	ScaliaFrank
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Soggetti	Carollia perspicillata - Physiology Brain - Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Introduction -- Notes on Nomenclature and Labeling -- List of Abbreviations -- Index of Labeled Structures -- Low-power Whole-Section Series (Bars = 1.0 mm) -- Plates L1–L23 -- Selected Higher-Resolution Frames -- Thalamus (Bars = 0.5 mm): Plates T1–T12 -- Amygdaloid Region (Bars = 1.0 mm): Plates A1–A12 -- Literature Cited. .
Sommario/riassunto	Carollia perspicillata, a tropical species, is the only bat that has essentially been domesticated and can be maintained and propagated in a research environment utilizing simple, inexpensive husbandry procedures. This atlas contains the first quality treatment of a bat species, and is unique in its use of NeuN staining. The NeuN preparations used selectively stain neurons in a sharp black coloration that fills not only the cell body but extends a short distance along the proximal dendrites. Thus, as distinct from the traditional nissl stains, the NeuN generates a quasi Golgi-like image of the neurons, providing a more intimate view of the neurons than can be obtained from nissl staining. In addition, the background is essentially white, facilitating high-contrast photography and allowing for gray-tone illustration without any loss of information. The NeuN procedure does not stain axons, and since it does not stain glial cells or their nuclei, the noise ordinarily generated in nissl stains by the presence of glial cells among the neurons and in the white matter is entirely eliminated. The

Forebrain Atlas of the Short-tailed Fruit Bat also includes nissl stained sections for comparison. Since it is known that NeuN is not expressed in certain neurons, such as Purkinje cells, olfactory bulb mitral cells, and the cells of the paraventricular and supraoptic nuclei, the nissl stained sections are also included to provide complementary views of such structures.
