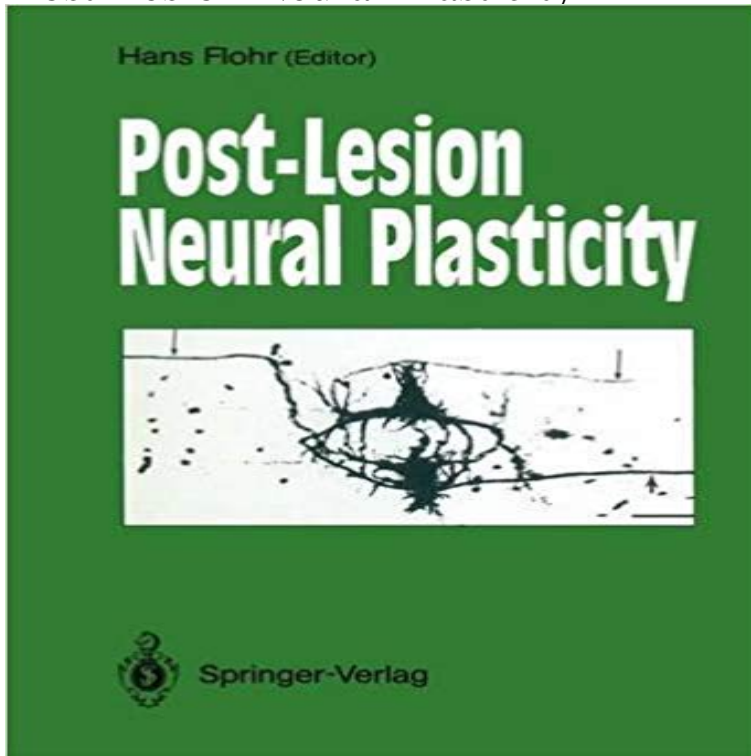


Post-Lesion Neural Plasticity



Neural networks are not rigidly wired but rather highly plastic structures, the functional architecture of which can be actively reorganized in response to external or internal events. Lesions of such networks induce plastic processes which in time may lead to a recovery of the initially disrupted function. This type of neural plasticity is the main focus of the book, which presents a broad spectrum of experimental paradigms for lesion-induced plasticity as in the spinal cord, the vestibular, oculomotor, visual and olfactory system, the cerebellum and the cerebral cortex, including recent methodological developments. Concepts and perspectives in understanding neural plasticity are reported in reviews and original research reports and are thoroughly discussed.

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varies with lesion size and results from the Astrocytic hypertrophy was observed only after smaller lesions and was **Changes in descending motor pathway connectivity after Post-Lesion Neural Plasticity in Cerebral Cortex: the Response of Rat Sensorimotor Cortex to Neonatal Ablation of the Opposite Hemisphere.** Authors Authors

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