

1. Record Nr.	UNINA9910777714003321
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Titolo	Brain architecture [[electronic resource]] : understanding the basic plan // Larry W. Swanson
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2003
ISBN	1-280-76092-3 9786610760923 0-19-802646-3
Descrizione fisica	1 online resource (xv, 263 p.) : ill
Disciplina	573.8/6
Soggetti	Brain Neural circuitry Neuroanatomy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. How the Brain Works: Structure and Function; 2. The Simplest Nervous Systems: Neurons, Nerve Nets, and Behaviour; 3. Centralization and Symmetry: Ganglia and Nerves; 4. The Basic Vertebrate Plan: Nervous System Topology; 5. Brain and Behaviour: A Four Systems Network Model; 6. The Motor System: Coordinating External and Internal Behaviours; 7. The Behavioural State System: Intrinsic Control of Sleep and Wakefulness; 8. The Cognitive System: Thinking and Voluntary Control of Behaviour; 9. The Sensory System: Inputs from the Environment and the Body; 10. Modifiability: Learning, Stress, Cycles, and Damage Repair; 11. Gene Networks: Relationship to Neural Networks; APPENDICES; A. DESCRIBING POSITION IN THE ANIMAL BODY; B. NAMING AND CLASSIFYING NERVOUS SYSTEM PARTS; C. METHODS FOR ANALYZING BRAIN ARCHITECTURE
Sommario/riassunto	This work surveys 2500 years of scientific thinking about the brain from the perspective of fundamental architectural principles. It proposes a model for the basic plan of neural systems organization based on an explosion of structural data from the neuroanatomy revolution of the 1970's.

