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| Nota di contenuto | Cellular components of nervous tissue / Patrick R. Hof [and others] -- Subcellular organization of the nervous system: organelles and their functions / Scott Brady, David R. Colman and Peter Brophy -- Energy metabolism in the brain / Gerald A. Dienel -- Intracellular signaling / Howard Schulman -- Regulation of neuronal gene expression and protein synthesis / Cristina M. Alberini and Eric Klann -- Modeling and analysis of intracellular signaling pathways / Paul D. Smolen, Douglas A. Baxter and John H. Byrne -- Pharmacology and biochemistry of synaptic transmission: classical transmitters / Ariel Y. Deutch and Robert H. Roth -- Nonclassic signaling in the brain / Ariel Y. Deutch, Andrea Giuffrida and James L. Roberts -- Connexin and pannexin based channels in the nervous system: gap junctions and more / Juan C. Saez and Bruce Nicholson -- Neurotransmitter receptors / M. Neal Waxham -- Molecular properties of ion channels / Jason Tien [and others] -- Membrane potential and action potential / David A. McCormick -- Biophysics of voltage-gated ion channels / Diane Lipscombe and Cecilia P. Toro -- Dynamical properties of excitable membranes / Douglas A. Baxter and John H. Byrne -- Release of |

neurotransmitter / Robert S. Zucker, Dimitri M. Kullmann and Pascal S. Kaeser -- Postsynaptic potentials and synaptic integration / John H. Byrne -- Cable properties and information processing in dendrites / Michael Beierlein -- Synaptic plasticity / Ruth Heidelberger [and others] -- Information processing in neural networks / James J. Knierim -- Learning and memory: basic mechanisms / John H. Byrne [and others] -- Molecular mechanisms of neurological disease / Monica Gireud, Natalie Sirisaengtaksin and Andrew J. Bean.
