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Titolo	Homeostatic control of brain function // edited by Detlev Boison, Susan A. Masino ; contributors, Nicholas M. Bannon [and seventy others]
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Descrizione fisica	1 online resource (657 p.)
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Soggetti	Brain - Physiology Homeostasis Brain chemistry Brain - Diseases
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	5. Role of Astrocytes in Sleep and Epilepsy6. Astrocyte-Neuron Interactions; 7. Homeostatic Synaptic Scaling at Central Synapses; 8. Homeostatic Role of Heterosynaptic Plasticity; 9. The Blood-Brain Barrier; 10. Inflammation and Immunomodulation in Epilepsy and Its Comorbidities; 11. Neuroplasticity; 12. Epigenetics; 13. Adult Neural Stem Cells and Brain Homeostasis; Part III: Homeostatic Manipulators: Preventative and Restorative Opportunities; 14. Systems (Network) Pharmacology for Brain Functionality Restoration; 15. Ketogenic Diets for Neurological Disorders; 16. Dietary Manipulations 31. Autism Spectrum Disorder and HomeostasisIndex
Sommario/riassunto	'Homeostatic Control of Brain Function' offers a broad view of brain health and diverse perspectives for potential treatments, targeting key areas such as mitochondria, the immune system, epigenetic changes, and regulatory molecules such as ions, neuropeptides, and neuromodulators. Loss of homeostasis becomes expressed as a diverse

array of neurological disorders.

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