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## Quantitative Neuroanatomy in Transmitter Research

By Luigi F. Agnati

Springer Sep 2011, 2011. Taschenbuch. Book Condition: Neu. 235x155x23 mm. This item is printed on demand - Print on Demand Neuware - InhaltsangabeSession I: Morphometrical and Microdensitometrical Studies on Nontransmitter-Identified Neurons.- Quantitative Analysis of Three-dimensional Structures in Neuroanatomy.- Estimating Particle Number and Size.- Tasks in Computer-assisted Neuroanatomy: Data Acquisition, Imaging and Database.- Population Characteristics of Nerve Cell Bodies Illustrated by the Postnatal Development of Cerebellar Granule Cells in the Rat.- Laminar Specificity of Dendritic Morphology: Examples from the Guinea Pig Hippocampal Region.- Studies of Local Blood Flow and Glucose Utilization in Brain by Computer Assisted Autoradiography.- Session II: Morphometry and Microdensitometry of Transmitter-Identified Neurons.- Morphometrical and Microdensitometrical Studies on Monoaminergic and Peptidergic Neurons in the Aging Brain.- Three-dimensional Computer Reconstructions of Catecholaminergic Neuronal Populations in Man.- Topographic Distribution of Catecholaminergic Neurons in the Rat Medulla Oblongata Using Quantitative Three-dimensional Reconstruction.- Effects of Chronic GM1 Ganglioside Treatment on Nigral Dopamine Cell Bodies and Dendrites in Experimental Rats Using Image Analysis-Relationship to the Pharmacokinetic Properties.- Development of Quantitative Methods for the Evaluation of the Entity of Coexistence of Neuroactive Substances in Nerve Terminal Populations in Discrete Areas of the Central Nervous System: Evidence for Hormonal Regulation of Cotransmission.- Principles for the Construction...

### Reviews

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