

# Cerebral Cortex: Architecture, Connections, and the Dual Origin Concept

*By Deepak Pandya, Michael Petrides, Patsy Benny Cipolloni*

Cerebral Cortex is a comprehensive and detailed work covering the dual nature of the organization of the architecture and connections of the cerebral cortex. After establishing the evolutionary approach of the cerebral cortex's origin, the authors have systematically analyzed, in detail, the common principle underlying the structure and connections of sensory and motor systems. This important book describes the frontal, limbic, and multimodal association areas, as well as the long fiber pathways in a similar manner. The anatomical investigations have been complimented with current clinical and experimental observations, as well as neuroimaging studies. This unique approach, exploring the underlying principle of the architecture and connections of the cerebral cortex, has previously never been undertaken. In the concluding chapter of the book, the authors have provided the usefulness of such an approach for future investigations. Cerebral Cortex provides extensive illustrations, along with historical references to each sensory, motor and association systems.

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