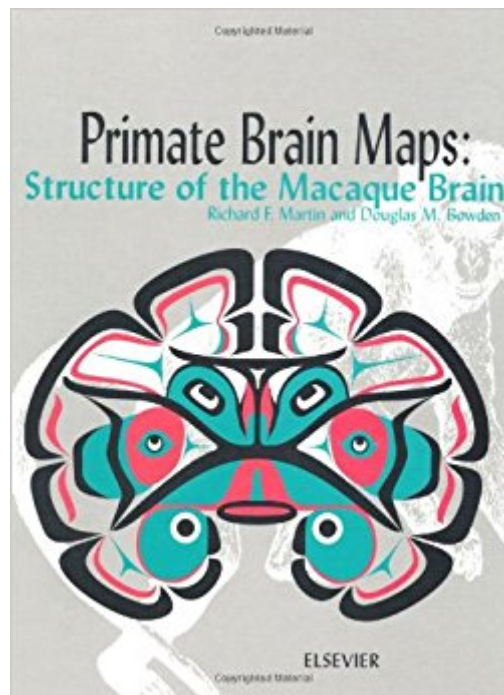


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Primate Brain Maps: Structure Of The Macaque Brain: A Laboratory Guide With Original Brain Sections, Printed Atlas And Electronic Templates For Data And Schematics (including CD-ROM).



Synopsis

Primate Brain Maps is a major new publication for the neurosciences. Published as a hard-cover book with accompanying CD-ROM, it will not only be an invaluable tool and reference work for everyone working in primate brain research, but also a unique source of information for all those in the fields of neuroanatomy and neuroinformatics. Features include: Book A history of primate brain atlases from Serres (1824) to Paxinos et al. (1999), and a thorough survey of the 30 most comprehensive primate brain atlases of the twentieth century, from tree shrew to chimpanzee. Methods and nomenclature (NeuroNames) used in the preparation of Primate Brain Maps. 58 labelled coronal sections at 1mm intervals from the brain of Macaca fascicularis, with photomicrographs of their associated Nissl-stains. 4 labelled maps of the cortical surface. Quantitative comparison of the size and variation of subcortical structures of the macaques and other primate species as represented in published stereotaxic atlases, and applicability of Primate Brain Maps to different macaques and other primate species. How to use the atlas templates provided on the CD-ROM for mapping data. Structure and abbreviation indices. CD-ROM The 58 coronal sections available as unlabelled template files in eps format (two sets - landmark and boundary), for downloading and use in mapping primate neuroanatomical data. The four cortical surface maps, and views of the major sulci opened, available as template files in eps format for download and mapping onto. NeuroNames a fully searchable database of over 7000 synonyms for over 1400 neuroanatomical structures found in humans, other primates and rats, and a hierarchy of some 350 volumetric structures designed to be used as a skeleton for digital data management in spreadsheets or 2- and 3-D spatial environments - all linked to a fully labelled version of the atlas. A unique library of over 500 Nissl, myelin, frozen coronal and MRI images of the macaque brain - all linked to their nearest appropriate labelled atlas map.

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