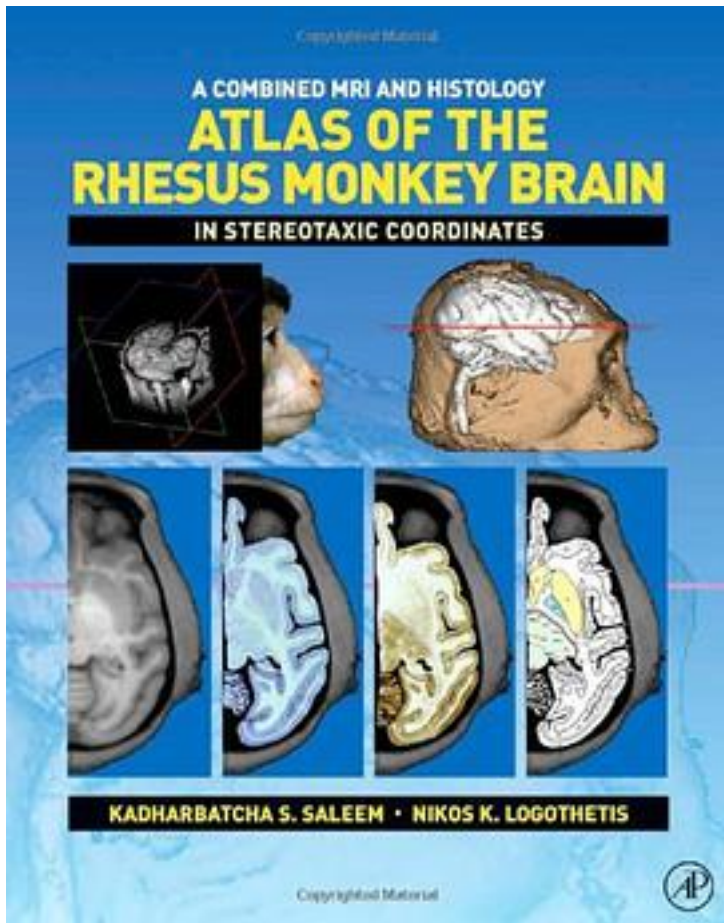


A Combined MRI and Histology Atlas of the Rhesus Monkey Brain



[A Combined MRI and Histology Atlas of the Rhesus Monkey Brain_ 下载链接1](#)

著者:Saleem, Kadharbatcha S./ Logothetis, Nikos K.

出版者:Academic Pr

出版时间:2006-12

装帧:Pap

isbn:9780123725592

This atlas maps the detailed architectonic subdivisions of the cortical and subcortical areas in the macaque monkey brain using high-resolution magnetic resonance (MR)

images and the corresponding histology sections in the same animal. This book presents the detailed mapping of the architectonic areas in the horizontal plane of sections with reference to the MRI that has not been reported previously in macaque monkeys. In the second part of the atlas, the coronal plane is presented using the same technique. A third part shows the quick identification of several important cortical and subcortical areas (around 30 areas) in horizontal, coronal and sagittal MR images. This atlas is unlike anything else available as it includes and compares each section to imaging data. This is a significant progress, as the vast majority of research in the field now routinely works with fMRI images. It provides the first combined MRI and Histology maps of the cortical and subcortical areas of any non-human primate species. It shows the first detailed delineations of the cortical and subcortical areas in both horizontal and coronal planes in the same animal using five different staining methods. It illustrates the entire dorsoventral extent of the left hemisphere in 47 horizontal MRI and photomicrographs matched with 47 detailed diagrams. Chapter 3 presents the full rostrocaudal extent of the right hemisphere in 76 coronal MRI and photomicrographs, and 76 corresponding drawings. Chapter 4 illustrates the selected cortical and subcortical areas in horizontal, coronal and sagittal MRI planes. Chapter 5 provides the stereotaxic grid derived from the in-vivo MR image. It is likely to become a standard reference for anatomical, physiological, and functional imaging studies in primates (fMRI, PET and MEG).

作者介绍:

目录:

[A Combined MRI and Histology Atlas of the Rhesus Monkey Brain_ 下载链接1](#)

标签

评论

[A Combined MRI and Histology Atlas of the Rhesus Monkey Brain_ 下载链接1](#)

书评

[A Combined MRI and Histology Atlas of the Rhesus Monkey Brain_下载链接1_](#)