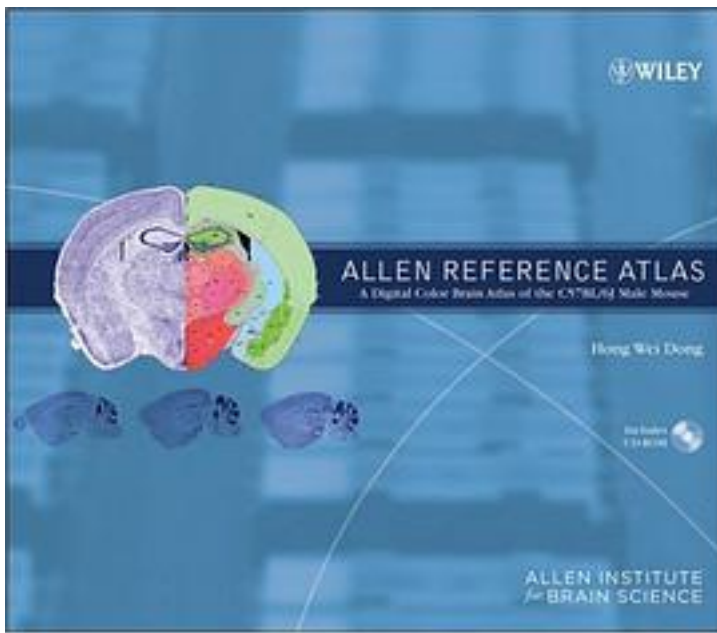


# The Allen Reference Atlas,



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“... this atlas acts not only as a key companion to the Allen Reference Atlas but also as a harbinger of things to come.” –Genes, Brain and Behavior, 2010 The best resource available for brain research! The Allen Reference Atlas is available for the first time in this lavishly produced, full-color print edition. This exciting new resource provides users with a meticulously selected and compiled collection of key information from the highly successful web-based Allen Brain Atlas, the now-famous online mouse brain anatomical atlas and gene expression database ([www.brain-map.org](http://www.brain-map.org)). Including both coronal and sagittal mouse brain sectional views, these finely detailed brain map images have been carefully chosen for maximum utility and information content, and are presented as full-color plates on pages with corresponding text labels and lists of selected genetic markers. Every brain structure

annotated in the Atlas is assigned a distinct color based on its hierarchical position in the brain, which not only provides stunning visual effects to emphasize brain organization, but also facilitates unique definition and segmentation, which is critical to informatics processing and computer-generated 3D reconstruction in the online Allen Brain Atlas. In addition, more than eighty genes showing unique expression patterns in the brain were carefully selected and are presented with the brain map images as molecular markers, for substantially increasing the accuracy of brain structure delineations. The brain map images are the heart and soul of the Allen Reference Atlas, but also included are extremely useful text materials such as thoughtfully annotated nomenclature tables, comprehensive indices, lists of abbreviations, and a thorough and up-to-date bibliography. A free accompanying CD-ROM contains all of the Atlas images in a black-and-white format, perfect for quick reference and use in presentations. The Allen Reference Atlas is a valuable addition to the reference libraries of millions of neuro-scientists, molecular biologists, genomicists, genomics researchers, informaticians, informatics researchers, and many other scientists for whom beautifully developed and perfectly accurate brain reference images are an indispensable tool. The Allen Institute for Brain Science is an independent, 501(c)(3) non-profit medical research organization dedicated to performing innovative basic research on the brain and distributing its discoveries to researchers around the world. Through its efforts, the Institute aims to advance understanding of the brain in health and disease and have a positive, long-lasting impact on brain science. The Institute was established by philanthropist Paul G. Allen and Jody Allen Patton. Available in print format (with CD-ROM), as DVD edition, and as comprehensive reference set.

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