

The Mouse Brain in Stereotaxic Coordinates, Compact, Third Edition: The Coronal Plates and Diagrams

By Keith B.J. Franklin

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The Mouse Brain in Stereotaxic Coordinates is the most widely used and cited atlas of the mouse brain in print. It provides researchers and students with both accurate stereotaxic coordinates for laboratory use, and detailed delineations and indexing of structures for reference. The *Compact 3rd edition* is both a major revision and an expansion of previous compact editions. The 100 high resolution digital photographs of the coronal plane of section from the third full edition now complement the coronal drawings. The photographs of the sections and the intermediate sections are also provided on the accompanying CD. In addition, the compact version has a large introduction on stereotaxic surgery and the use of the atlas in the lab, as well as a number of panoramic simplified diagrams for student instruction. The *Compact 3rd edition* is in 8.5 x 11 format and is spiral bound suitable for positioning next to microscopes and cryotomes.

- Delineations of 100 coronal diagrams, as fully revised for the 3rd edition
- 100 coronal photographic plates produced from directly scanned very high resolution images of the biological sections (done at the Allen Institute)
- Beginner's guide with 25 pages on how to do stereotaxic surgery, how to use the atlas, including how to match experimental sections against the atlas plates (e.g. what features of the brain change gradually and can be used as guides to location)
- 3 sagittal, 5 coronal and 2 horizontal simplified overview diagrams for students
- Surface views of the brain with labels over the major structures
- Uses the best ontology tree (nomenclature based on the development of the brain) so far constructed with universal application across mammals
- CD providing electronic versions of all diagrams and photographs in different resolutions for downloads

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Editorial Review

About the Author
Professor George Paxinos, AO (BA, MA, PhD, DSc) completed his BA at The University of California at Berkeley, his PhD at McGill University, and spent a postdoctoral year at Yale University. He is the author of almost 50 books on the structure of the brain of humans and experimental animals, including The Rat Brain in Stereotaxic Coordinates, now in its 7th Edition, which is ranked by Thomson ISI as one of the 50 most cited items in the Web of Science. Dr. Paxinos paved the way for future neuroscience research by being the first to produce a three-dimensional (stereotaxic) framework for placement of electrodes and injections in the brain of experimental animals, which is now used as an international standard. He was a member of the first International Consortium for Brain Mapping, a UCLA based consortium that received the top ranking and was funded by the NIMH led Human Brain Project. Dr. Paxinos has been honored with more than nine distinguished awards throughout his years of research, including: The Warner Brown Memorial Prize (University of California at Berkeley, 1968), The Walter Burfitt Prize (1992), The Award for Excellence in Publishing in Medical Science (Assoc Amer Publishers, 1999), The Ramaciotti Medal for Excellence in Biomedical Research (2001), The Alexander von Humbolt Foundation Prize (Germany 2004), and more.

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book was published by the very famous author. The writer makes some research previous to write this book. This kind of book very easy to read you can obtain the point easily after reading this article book.

Bonnie Wilson:

The Mouse Brain in Stereotaxic Coordinates, Compact, Third Edition: The Coronal Plates and Diagrams can be one of your basic books that are good idea. We recommend that straight away because this publication has good vocabulary that could increase your knowledge in language, easy to understand, bit entertaining but nonetheless delivering the information. The writer giving his/her effort that will put every word into pleasure arrangement in writing The Mouse Brain in Stereotaxic Coordinates, Compact, Third Edition: The Coronal Plates and Diagrams however doesn't forget the main stage, giving the reader the hottest and based confirm resource information that maybe you can be one of it. This great information may drawn you into brand-new stage of crucial contemplating.

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