

The Rat Brain in Stereotaxic Coordinates, Seventh Edition

By George Paxinos, Charles Watson

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Since its first edition in 1982, the Paxinos and Watson rat brain atlas has become the most trusted source of accurate coordinates and anatomical information in laboratories throughout the world. It has been cited over 60,000 times, making it the most cited publication in neuroscience. The seventh edition incorporates new findings on developmental gene expression and presents the boundaries of neuromeres in sagittal sections.

- 161 thoroughly revised coronal diagrams and accompanying photographic plates spaced at 120 µm intervals
- 19 thoroughly revised sagittal diagrams and accompanying photographic plates
- 27 thoroughly revised horizontal diagrams and accompanying photographic plates
- Photographic plates printed from high resolution digital images in color
- Diagrams of all spinal cord segments
- The most accurate and virtually universally used stereotaxic coordinate system
- Neuromeric segments delineated in sagittal sections
- A 'mini-atlas' of 14 diagrams to assist beginning students of neuroanatomy
- Over 1000 structures identified
- Electronic diagrams available to purchasers of this book via a companion web site (http://booksite.elsevier.com/9780123919496/)

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Editorial Review

Review

"…this version contains 161 revised coronal diagrams with accompanying photographic plates of microtome slides taken at 120 micrometer intervals through the brain from its anterior to posterior end…The book will be useful to students and teachers of neuroanatomy in medical schools, with additional uses in neurological research and specialist veterinary medicine." **--ProtoView.com, March 2014**

From the Back Cover

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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.

Charles Watson is a specialist in the area of brain and spinal cord mapping. He graduated in medicine from the University of Sydney in 1967 and was awarded a research doctorate (MD) by the University of New South Wales in 1974. He lectured in anatomy at the UNSW from 1970 to 1982, when he took up a career in public health in the Health Department of Western Australia, being appointed Chief Health Officer for WA in 1993.

He returned to university life in 1994, holding the position of Dean of Health Sciences at the University of Wollongong and Curtin University until 2006. Since then he has held research positions at Curtin and at Neuroscience Research Australia. Since 2006 he has published 11 books and over 40 journal articles.

Watson was made a member of the Order of Australia (AM) in 2004. He earned a DSc (by thesis) from the

University of Sydney in 2012.

In his spare time he swims in the ocean, and he is an enthusiastic but mediocre player of the baritone saxophone. His musical favourites are Frank Zappa, Brian Eno, and Beethoven.

Users Review

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James Boyd:

This The Rat Brain in Stereotaxic Coordinates, Seventh Edition book is absolutely not ordinary book, you have it then the world is in your hands. The benefit you have by reading this book is definitely information inside this guide incredible fresh, you will get data which is getting deeper you read a lot of information you will get. That The Rat Brain in Stereotaxic Coordinates, Seventh Edition without we realize teach the one who examining it become critical in considering and analyzing. Don't be worry The Rat Brain in Stereotaxic Coordinates, Seventh Edition can bring when you are and not make your case space or bookshelves' turn out to be full because you can have it within your lovely laptop even mobile phone. This The Rat Brain in Stereotaxic Coordinates, Seventh Edition having excellent arrangement in word and layout, so you will not sense uninterested in reading.

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