

ATLAS OF

THE DEVELOPING RAT NERVOUS SYSTEM

GEORGE PAXINOS

KEN W.S. ASHWELL

FOURTH EDITION

Atlas of the Developing Rat Nervous System 4th Edition builds on the features of the first three editions that made this book the most cited atlas in its domain. The fourth edition provides a comprehensive depiction of structures in the brain and spinal cord. It also identifies peripheral nervous system elements and their target organs, allowing the user to follow neural structures seamlessly through the developing embryo in both time and space.

Key Features of the Fourth Edition

- Complete updating of nuclear boundaries, neuromeres, and nomenclature.
- Provides detailed and accurate maps of the developing rat nervous system from Embryonic Day 11 through Day of Birth.
- 284 Photographs and 284 accompanying diagrams of coronal or sagittal sections of rats aged E11 to P0.
- In addition to brain structures, the atlas delineates peripheral nerves, ganglia, arteries, veins, muscles, bones, and organs.
- Serves as an essential tool for researchers in the interpretation of findings resulting from genetic manipulation of brain development.

Related titles

- Paxinos and Watson: *The Rat Brain in Stereotaxic Coordinates, Compact Seventh Edition*, 2018, 978-0-12-814549-4
- Paxinos and Watson: *The Rat Brain in Stereotaxic Coordinates, Seventh Edition*, 2013, 978-0-12-391949-6
- Paxinos (Ed): *The Rat Nervous System, Fourth Edition*, 2014, 978-0-12-374245-2
- Paxinos, Watson, Calabrese, Badea, and Johnson: *MRI/DTI Atlas of the Rat Brain*, 2015, 978-0-12417313-2
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- Watson, Paxinos, and Puelles (Eds): *The Mouse Nervous System*, 2011, 978-0-12-369497-3
- Paxinos and Franklin: *Paxinos and Franklin's The Mouse Brain in Stereotaxic Coordinates, Fourth Edition*, 2012, 978-0-12-391057-8
- Mai, Majtanik, and Paxinos: *Atlas of the Human Brain, Fourth Edition*, 2015, 978-0-12-802800-1
- Mai and Paxinos (Eds): *The Human Nervous System, Third Edition*, 2011, 978-0-12-374236-0
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An imprint of Elsevier
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ISBN 978-0-12-813058-2

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