

# BASIC NEUROCHEMISTRY

## PRINCIPLES OF MOLECULAR, CELLULAR AND MEDICAL NEUROBIOLOGY

---

EIGHTH EDITION



ELSEVIER  
*science &  
technology books*



*Companion Website:*

<http://elsevierdirect.com/companions/9780123749475>

*From Basic Neurochemistry, Eighth Edition*  
Scott T. Brady, Editor-in-Chief

#### Resources for Professors:

- All figures, tables, and references are available for download



TOOLS FOR ALL YOUR TEACHING NEEDS  
[textbooks.elsevier.com](http://textbooks.elsevier.com)



ACADEMIC  
PRESS

To adopt this book for course use, visit <http://textbooks.elsevier.com>

# BASIC NEUROCHEMISTRY

PRINCIPLES OF MOLECULAR, CELLULAR AND  
MEDICAL NEUROBIOLOGY

---

## EIGHTH EDITION

*Editor-in-Chief*

SCOTT T. BRADY, PH.D.

*Professor and Head*

*Department of Anatomy and Cell Biology*

*University of Illinois at Chicago*

*Editor-in-Chief Emeritus*

GEORGE J. SIEGEL, MD

*Emeritus Professor of Neurology*

*Cell Biology, Neurobiology & Anatomy,*

*Loyola University Chicago Stritch School of Medicine*

*Chief of Neurology Service (retired),*

*Edward Hines, Jr. Veterans Affairs Hospital*

*Editors*

R. WAYNE ALBERS, PH.D.

*Scientist Emeritus*

*Chief (retired) of Section of Enzymes*

*Laboratory of Neurochemistry*

*National Institute of Neurological Disorders and Stroke*

*National Institutes of Health*

DONALD L. PRICE, MD

*Professor (Emeritus)*

*Departments of Pathology, Neurology and Neuroscience*

*Division of Neuropathology*

*The Johns Hopkins University School of Medicine*

*Associate Editors*

Joyce Benjamins • Stephen Fisher • Alison Hall

Nicolas Bazan • Joseph Coyle • Sangram Sisodia



AMSTERDAM • BOSTON • HEIDELBERG • LONDON  
NEW YORK • OXFORD • PARIS • SAN DIEGO  
SAN FRANCISCO • SINGAPORE • SYDNEY • TOKYO  
Academic Press is an imprint of Elsevier

