

**BOOKS RECEIVED**

**HANDBOOK OF FUNCTIONAL MRI DATA ANALYSIS.** 2011. By Russell A. Poldrack, Jeanette A. Mumford, Thomas E. Nichols. Published by Cambridge University Press. 228 pages. C\$80.00 approx.

**INTRACRANIAL ANEURYSM SURGERY: BASIC PRINCIPLES AND TECHNIQUES.** 2012. By Duke S. Samson, H. Hunt Batjer, Jonathan White, J. Talmadge Trammell, Christopher S. Eddleman. Published by Thieme Medical Publishers, Inc. 203 pages. C\$75.00 approx.

**ADULT EPILEPSY.** 2011. Edited by Gregory D. Cascino and Joseph I. Sirven. Published by Wiley-Blackwell. 307 pages. C\$175.00 approx.

**PARKINSON'S DISEASE. NON-MOTOR AND NON-DOPAMINERGIC FEATURES.** 2011. Edited by C. Warren Olanow, Fabrizio Stocchi, Anthony E. Lang. 474 pages. C\$205.00 approx.

**COMORBIDITY IN MIGRAINE.** 2011. Edited by Jean Schoenen, David W. Dodick, Peter S. Sándor. Published by Wiley-Blackwell. 142 pages. C\$80.00 approx.

**ABC OF STROKE.** 2011. Edited by Jonathan Mant and Marion F. Walker. 56 pages. C\$35.00 approx.

**EUROPEAN HANDBOOK OF NEUROLOGICAL MANAGEMENT. VOLUME 1. SECOND EDITION.** 2011. Edited by Nils Erik Gilhus, Michael Barnes, Michael Brainin. Published by Wiley-Blackwell. 580 pages. C\$220.00 approx.

**EUROPEAN HANDBOOK OF NEUROLOGICAL MANAGEMENT. VOLUME 2. SECOND EDITION.** 2012. Edited by Nils Erik Gilhus, Michael Barnes, Michael Brainin. Published by Wiley-Blackwell. 353 pages. C\$200.00 approx.

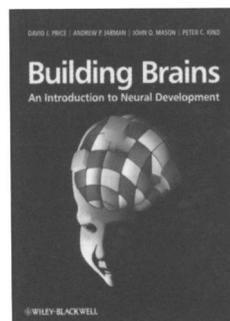
**BOOKS REVIEWED**

**BUILDING BRAINS: AN INTRODUCTION TO NEURAL DEVELOPMENT.** 2011. By David J. Price, Andrew P. Jarman, John O. Mason, Peter C. Kind. Published by Wiley-Blackwell. 331 pages. C\$55 approx.

Rated ★★★★★

Neural development can be defined as the process by which the nervous system grows from its first beginnings in the embryo to its completion as a mature functioning system. In order to have a firm understanding of Neural Development, a student needs to have knowledge in embryology, genetics, neurosciences and molecular biology. In the preface to this book, the authors state that instead of assuming that their students have a great level of knowledge in these areas, they wanted to write a book that would provide an accessible but rigorous introduction to the mechanisms of Neural Development for students with little or no prior knowledge in this field.

The authors have accomplished this goal admirably. Instead of trying to encompass the broad field of Neural Development, the authors have focused on the genetically controlled developmental events that are either the best understood or scientifically intriguing by using examples of research on both vertebrates and invertebrates to provide insight into processes involved in Neural Development.



This book is both well written and illustrated. At the beginning of the book a helpful explanation of the conventions used for gene and protein naming in the book is provided. The book is well organized, with each subsequent chapter building upon topics discussed in the prior chapter. To assist the reader, key points that have been covered previously are briefly re-summarized on the page margin. Internet links are provided so the reader can download seminal papers and lectures, including Torsten Wiesel's Nobel Prize Laureate lecture on the development of the visual system. There are ample illustrations in this book that provide a clear explanation of the important topics covered. Unfortunately, at times the illustrations are overleaf to the topic being discussed, resulting in the reader having to flick back and forth from one page to another. While examples of human diseases caused by disorders of Neural Development are provided, as a clinician I would have preferred some more of these clinical examples.

While this book was written for undergraduate students of the neurosciences, it might lack the detail required for those who are more advanced in their academic pursuits. For clinicians, this book would be of interest to those who treat patients with disorders of Neural Development. In particular pediatric neurologists, developmental pediatricians and geneticists would appreciate this book.

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