

reaching impacts beyond pure intellectual fulfillment. Although scientists may not always be visible, their contributions continuously generate hope for patients and the medical community. I highly recommend this book for scientists who desire to understand cancer in a broader scope, and/or who wish to rekindle the passion that first brought them into cancer research.

Hsin-hao Hsiao  
Yale University School of Medicine  
Departments of Molecular Biophysics  
and Biochemistry and Pathology

***Medical Mycology: Cellular and Molecular Techniques.*** Edited by Kevin Kavanagh. Hoboken, New Jersey: Wiley; 2006, 348 pp. \$80 Hardcover. ISBN: 9780470057414.

*Medical Mycology* is first and foremost a laboratory technique manual. While each chapter begins with some explanatory text providing background on the pathogenic fungi, the bulk of the book is devoted to protocol. The text, edited by Kevin Kavanagh, covers diagnosis of *Candida* infection by immunohistochemistry, techniques for identification of pathogenic fungi using transmission electron microscopy, analysis of antifungal drug resistance, use of animal models, and additional techniques for molecular analysis and study of virulence. The fungal species most represented in *Medical Mycology* are *Candida albicans* (a common cause of periodontal disease and other human fungal infections), *Aspergillus fumigatus* (a common filamentous fungus responsible for infection in immunocompromised patients), and *Cryptococcus neoformans* (a pathogenic yeast infecting immunocompromised patients).

Each chapter is organized logically, with sections devoted to “equipment, materials, and reagents,” and a step-by-step “method.” Figures included in each chapter provide the researcher with examples of results from immunohistochemical stains, for example, and help in identification of fungi. Schematics also are included to aid understanding of molecular pathways and reac-

tions. At the end of each chapter is a list of primary references for further reading. *Medical Mycology* is a useful guide for molecular, immunological, and cytological techniques that will prove useful to researchers and students alike.

Katie Moy  
Yale University Graduate School  
of Arts and Sciences  
Department of Genetics

***Case Files Internal Medicine. 2nd edition.*** By Eugene C. Toy, John T. Patlan, Fabrizia Faustinella, S. Elizabeth Cruse. New York: McGraw-Hill Medical; 2006, 528 pp. \$29.95 Paperback. ISBN: 9780071463034.

Internal medicine can be a daunting subject for any medical student hitting the books or hitting the wards. Enter *Case Files Internal Medicine*, an excellent review book geared toward medical students studying for the internal medicine clerkship or USMLE Step 2. This book serves as a comprehensive — but by no means exhaustive — guidebook to common medical problems. The first section provides a brief overview on the proper approach to patients. Following this section is the real meat of the book: 60 fully-explained internal medicine clinical cases. Cases are presented in a random order, so as to simulate the real-life clinical environment. Following the page-long case presentation, the book provides a brief “answer” and then a far more detailed “analysis” of the condition presented. The analysis section for each case is certainly not as detailed as an internal medicine textbook, but it should give the reader a good working knowledge of the appropriate considerations and approach to each case as well as the relevant pathophysiology and treatment.

The format of this book allows for multiple methods of study. Readers looking to rapidly quiz themselves while preparing for exams can simply read the cases and receive quick feedback from the brief answers directly following each case presentation. Also useful for these readers

will be the short question and answer section at the end of each case. For students desiring a more in-depth review, the analysis section of each case provides a great and more detailed overview. An extra index organized by disorder name in the back also allows the reader to focus on particular aspects of internal medicine. Details such as this make it obvious that the authors have tried to cater to the varying needs of their readers, and the vast majority of readers should be pleased with the results. The flexibility afforded by *Case Files*' organization makes this book highly appropriate for both the student looking for an overview of internal medicine toward the beginning of study and the student wanting a quick review of the subject prior to the shelf-exam or USMLE Step 2.

The strengths of this book are its inclusion and comprehensive discussion of a broad range of internal medicine clinical cases and its flexible format allowing readers to tailor the text around their study needs. While the book is generally well-written, readers looking for a book they can quickly read cover-to-cover may find this book tiring or monotonous. But certainly this book does not aim to be read as a textbook, and it may not be surprising that it truly shines when used to review clusters of several cases instead of the entire text.

Overall, *Case Files: Internal Medicine* will serve as either a solid introductory text or an excellent review text for any medical student studying internal medicine. Its concise format should help make internal medicine an easier case to crack.

Veena Rao  
Yale University School of Medicine

***New England Journal of Medicine: Clinical Problem-Solving.*** Edited by Sanjay Saint, Jeffrey M. Drazen, and Caren G. Solomon. New York: McGraw-Hill Professional; 2006, 304 pp. \$54.95 Paperback. ISBN: 9780071471626.

*Clinical Problem-Solving* contains detailed essay-like analyses of clinical deci-

sion-making and cases to test the readers' own clinical problem-solving skills. First, Dr. Stephen Bent takes the reader through a logical chapter on the quantitative aspects of clinical decision-making: the numbers. In the following chapter by Dr. Gurpreet Dhaliwal, the question "How do doctors think?" is answered in a well-referenced essay reviewing literature in which physicians were the study subjects.

The remaining and majority of *Clinical Problem-Solving* is just that: clinical problem-solving. More than 20 sophisticated clinical vignettes geared at students interested in medicine and medicine residents create a mini-textbook for clinical diagnosis. *Clinical Problem-Solving* is well organized and can be used as a self-study tool or a reference for group teaching. Continuing the format of the "*Clinical Problem-Solving*" series, information about the actual patient is presented in bold followed by a response by an experienced clinician in regular type. Pertinent graphs and images are included to create a thorough display of data.

Though it may be difficult to teach clinical diagnosis through a book, *The New England Journal of Medicine: Clinical Problem-Solving* creates a foundation from which educators and those interested in improving their skills and understanding of medical diagnosis can start teaching and learning.

Laura K. Tom  
Yale University School of Medicine

***Cell Cycle: Principles of Control.*** By David O Morgan. London: New Science Press; 2006, 297 pp. \$49.95 Paperback. ISBN: 9780878935086.

*Cell Cycle: Principles of Control* is a comprehensive text that fluidly integrates the vast volume of information that has been compiled on the cell cycle and serves as a foundation for understanding the complex mechanisms of cell reproduction. The book's overview succinctly and efficiently introduces the reader to the basics of cell cycle division. The first part of the book

