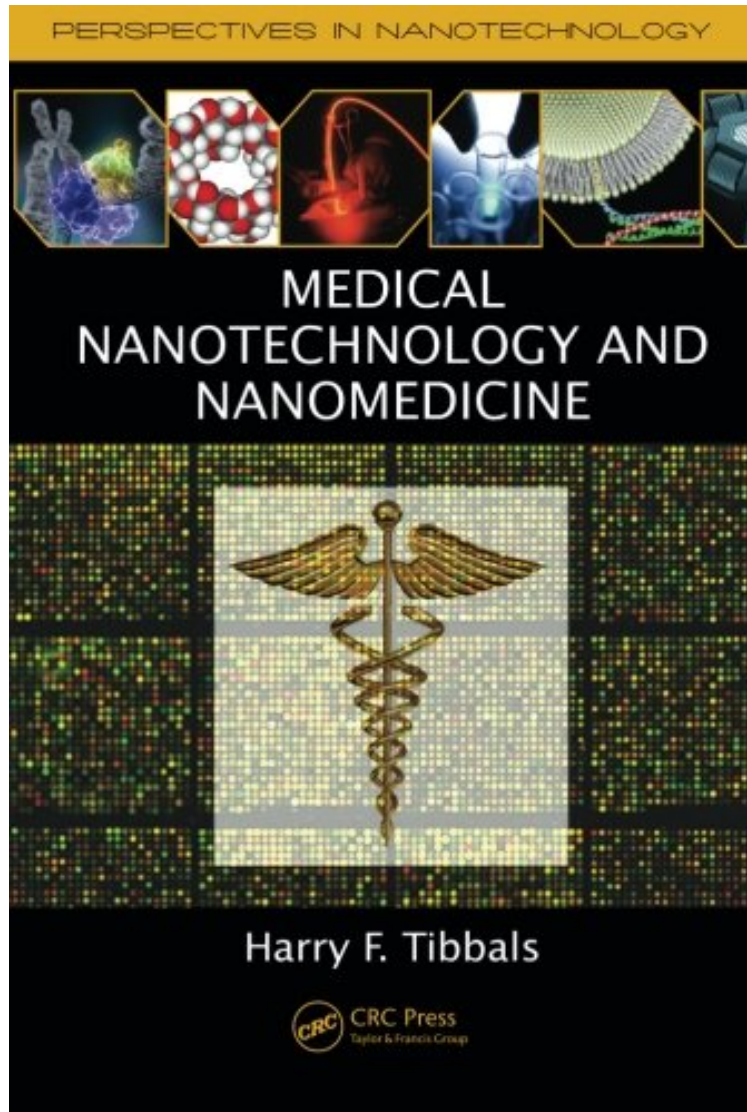


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Medical Nanotechnology and Nanomedicine (Perspectives in Nanotechnology)

Harry F. Tibbals

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Harry F. Tibbals : Medical Nanotechnology and Nanomedicine (Perspectives in Nanotechnology) before purchasing it in order to gauge whether or not it would be worth my time, and all praised Medical Nanotechnology and Nanomedicine (Perspectives in Nanotechnology):

0 of 1 people found the following review helpful. Font is bad By Stealth Pretty easy to fall asleep with after reading few pages, not because of the content, but because of the pages and print. It gives you an overview and doesn't give you

more than that. I wish there is more depth into it.

Considering the fluid nature of nano breakthroughs and the delicate balance between benefits and consequences as they apply to medicine, readers at all levels require a practical, understandable base of information about these developments to take greatest advantage of them. *Medical Nanotechnology and Nanomedicine* meets that need by introducing non-experts to nanomedicine and its evolving organizational infrastructure. This practical reference investigates the impact of nanotechnology on applications in medicine and biomedical sciences, and the broader societal and economic effects. Eschewing technological details, it focuses on enhancing awareness of the business, regulatory, and administrative aspects of medical applications. It gives readers a critical, balanced, and realistic evaluation of existing nanomedicine developments and future prospects, an ideal foundation upon which to plan and make decisions. Covers the use of nanotechnology in medical applications including imaging, diagnosis and monitoring, drug delivery systems, surgery, tissue regeneration, and prosthetics. Part of the *Perspectives in Nanotechnology* series, which contains broader coverage of the societal implications of nanotechnology, this book can be used as a standalone reference. Organized by historical perspective, current status, and future prospects, this powerful book: Explores background, definitions and terms, and recent trends and forces in nanomedicine. Surveys the landscape of nanomedicine in government, academia, and the private sector. Reviews projected future directions, capabilities, sustainability, and equity of nanomedicine, and choices to be made regarding its use. Includes graphical illustrations, references, and keywords to reinforce concepts and aid further research. In its assessment of alternative and sometimes conflicting concepts proposed for the application of nanotechnology to medicine, this book surveys major initiatives and the work of leading labs and innovators. It uses informative examples and case summaries to illustrate proven accomplishments and imagined possibilities in research and development.

"Given that nanomedicine involves the application of fields as diverse as quantum physics, materials science, organic chemistry, molecular biology, semiconductor electronics, microfabrication, and mathematics, one might imagine that finding a good introductory presentation on this topic would be impossible. Fortunately, Tibbals' book is up to the challenge. ... As befits an introductory book, the presentation is more comprehensive than deep and should be readily accessible to both the patient physician and the intelligent layman. ... However, each chapter contains a particularly rich selection of references for those readers interested in pursuing a particular topic in detail. ... In conclusion, this book provides a well-written, very well-referenced, modestly illustrated, and clinically focused evaluation of the current state of nanomedicine and its future prospects. Highly recommended."--D. John Doyle, MD, Ph.D, Department of Anaesthesiology, Cleveland Clinic, Ohio, USA, Anesthesia Analgesia, November 2013
About the Author: University of Texas Southwestern Medical Center, Dallas, USA