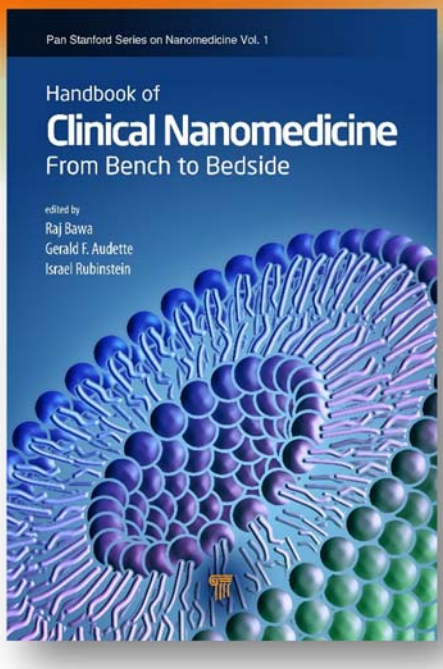
Handbook of Clinical Nanomedicine

From Bench to Bedside



edited by
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Key Features

- A stand-alone, easily accessible volume that examines the entire "product wheel" from creation of nanomedical products to final market introduction
- An essential reference for the novice and expert alike in fields such as medicine, law, biotechnology, pharmaceutical sciences, engineering, biomedicine, policy, future studies, ethics, intellectual property law, licensing, and toxicology
- Besides highlighting cutting-edge technological advances, the book also addresses critical topics such as ethics, safety and toxicity, environmental health, nanosimilars, business strategy, licensing and tech transfer, intellectual property, FDA regulatory issues, and governmental policy issues.

Description

The enormous advances in nanomedicine in the past decade have necessitated a growing need for an authoritative and comprehensive reference source that can be relied upon by scientists, clinicians, students, and industry and policy makers alike. The handbook aims to provide a broad survey of various interconnected topics pertaining to nanomedicine. It is intended to be a stand-alone, easily accessible volume that examines the entire "product wheel" from creation of nanomedical products to final market introduction, all accomplished in a user-friendly format.

The full-color handbook, divided into five-interrelated sections, provides a comprehensive road map of basic research in nanomedicine as well as clinical applications, regulatory science, legal issues, and commercialization activities. Each of the 84 chapters contains key words, extensive tables, color figures, future projections, and an extensive list of references. The handbook is essential reading for the novice and expert alike in fields such as medicine, law, biotechnology, pharmaceutical sciences, engineering, biomedicine, policy, future studies, ethics, intellectual property law, regulatory science, licensing, and toxicology. While bridging the gap between basic biomedical research, engineering, and medicine, the handbook provides a thorough understanding of nanotechnology's
(a) use to solve medical problems;
(b) current applications and their potential;
(c) regulatory environment and policy issues; and
(d) intellectual property, licensing, and business activities.

The distinguished editors have skillfully selected and thoroughly edited each chapter to reflect the most relevant and current information possible. The range of topics covered as well as the international selection of authors is truly impressive. Since the rapidly evolving field of nanomedicine is very diverse and covers physical, chemical, biological, and engineering aspects, the range of the contributing authors accurately reflects this. The book's multidisciplinary approach and an in-depth focus on nanomedicine, pharmaceutical sciences, materials science, biomedical engineering, and biotechnology will attract a global audience. In short, *Handbook of Clinical Nanomedicine: From Bench to Bedside* promises to be a standard reference text in this expansive and interdisciplinary field.

978-981-4316-17-0 (Hardback)
978-981-4411-66-0 (eBook)
1,200 pages (approx.)
Winter 2014
US$500 / £318

Readership

Researchers, clinicians, engineers, physicians, lawyers, business professionals, policy makers, and venture capitalists

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