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   Nota di bibliografia   Includes bibliographical references and index.

   Nota di contenuto   Chapter 1. Emerging Technologies : Gateway to Understand Molecular Insight of Diseases, Newer Drugs, Their Design and Targeting -- Chapter 2. Polypharmacology: New Paradigms in Drug Development -- Chapter 3. Drug Repurposing in Biomedical Research : Benefits and Challenges -- Chapter 4. Computational Methods for Drug Repurposing -- Chapter 5. Genomic Approaches for Drug Repositioning -- Chapter 6. Organ-On-A- Chip: Novel in-Vitro Model For Drug Discovery -- Chapter 7. Precision Radiomolecular Oncology: Challenging the Classical Statistical Evidence Based Medicine -- Chapter 8. Drug Repositioning of the Phenylpiperazine Derivative Naftopidil in Prostate Cancer Treatment -- Chapter 9. Biomarker Based

Drug Discovery and Reverse Translational Approach -- Chapter 10. Nanotechnology in Dentistry -- Chapter 11. Nanoparticles a Potential Breakthrough in Counteracting Multidrug-Resistant Bacterial Infections: A Holistic View on Underlying Mechanisms and Antibacterial Properties -- Chapter 12. Emerging Role of Cannabinoid System Modulators in Treatment of Cancer -- Chapter 13. Nanodrugs : A Futuristic Approach for Treating Nephrolithiasis -- Chapter 14. Lipo Dermaceuticals : Technological Transformation -- Chapter 15. The Importance of Drug Dose Adjustment in Elderly Patients with Special Considerations for Patients on Diverse Co-Medications and Antidepressants -- Chapter 16. Role of Microfluidics and Nano Fluidics in Managing CAD -- Chapter 17. Targeted Gene Delivery Through Magnetofection: The New Face of Medicine -- Chapter 18. Qbd-Steered Systematic Development of Drug Delivery Nanoconstructs : Vital Precepts, Retrospect and Prospects -- Chapter 19. Nanoemulsions: A Potential Advanced Nanocarrier Platform for Herbal Drug Delivery -- Chapter 20. Sirna Encapsulated Nanoparticles for Targeting Dorsal Root Ganglion (Drg) in Diabetic Neuropathic Pain -- Chapter 21. EGFR Targeted Quinazoline Clubbed Heterocycles as Anti-Cancer Agents. Chapter 22. Therapeutic Human Monoclonal Antibodies -- Chapter 23. Hydroxyapatites and Their Biomedical Applications -- Chapter 24. Recent Progress in Applications of Magnetic Nanoparticles in Medicine: A Review -- Chapter 25. Chimeric Antigen Receptor T-Cell Therapy: A Cutting Edge Therapy for Multiple Myeloma -- Chapter 26. Nanoparticles-Associated Lipopeptides: A New Class of Antimicrobials -- Chapter 27. Antimicrobial Applications of Engineered Metal-Based Nanomaterials -- Chapter 28. Strengthening Immunity-Ayurveda & Medicinal Plants -- Chapter 29. The Pathophysiology of Liver Disorders and Pharmacotherapy Options with Special Reference to Traditional Herbal Medicines: A Comprehensive Review -- Chapter 30. Polymeric Vehicles for Controlled Delivery of Ayurvedic Drugs for Wound Management.

Sommario/riassunto	This book, which is the third volume of Biomedical translational research, focuses on the fundamental role of biomedical research in developing new medicinal products. It emphasizes the importance of understanding biological and pathophysiological mechanisms underlying the disease to discover and develop new biological agents. The book uniquely explores the genomic computational integrative approach for drug repositioning. Further, it discusses the health benefits of nutraceuticals and their application in human diseases. Further, the book comprehensively reviews different computational approaches that employ GWAS data to guide drug repositioning. Finally, it summarizes the major challenges in drug development and the strategies for the rational design of the next generation more effective but less toxic therapeutic agents.