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Nota di contenuto	Handbook of Nanotoxicology, Nanomedicine and Stem Cell Use in Toxicology; Contents; Contributors; Preface; Acknowledgments; Dedication; Abbreviations and Acronyms; Part One Nanotoxicology; Chapter 01 Testing Nanotoxicity: An Update of New and Traditional Methods; Chapter 02 Considerations for In Vitro Nanotoxicity Testing; Chapter 03 In Vivo Evaluation of Acute and Chronic Nanotoxicity; Chapter 04 Genotoxicity of Silver Nanoparticles; Chapter 05 Immunotoxicology of Nanomaterials; Chapter 06 Neurotoxicity of Nanoparticles Chapter 07 Nanoparticles and Plants: From Toxicity to Activation of Growth Chapter 08 Epigallocatechin-3-gallate (EGCG) in or on Nanoparticles: Enhanced Stability and Bioavailability of EGCG Encapsulated in Nanoparticles or Targeted Delivery of Gold Nanoparticles Coated with EGCG; Part Two Nanomedicine; Chapter 09 Factors Affecting the Oral Bioavailability of Nanomaterials; Chapter 10 Nanomedicine in Cancer Treatment; Chapter 11 Nanomedicine in Diabetes: Using Nanotechnology in Prevention and Management of Diabetes Mellitus Chapter 12 Inhalation Pathway as a Promising Portal of Entry: What Has

to Be Considered in Designing New Nanomaterials for Biomedical Application? Chapter 13 Nanomedicine for the Brain and the Eye: Disease Management in Poorly Accessible Compartments of the Body; Part Three Stem Cell Toxicology; Chapter 14 Stem Cells in Toxicity Testing; Chapter 15 Human Stem-Cell-Derived Cardiomyocytes in Drug Discovery and Toxicity Testing; Chapter 16 Pluripotent Stem Cells as Tools to Assess Developmental Toxicity: Diversity Instead of Consolidation
Chapter 17 Impact of Various Nanosystems on Stem Cell Physiology Chapter 18 Predictive Mechanisms in Stem Cells: An In Vitro System-Based Method for Testing Carcinogenicity; Chapter 19 Epigenetic Modifications and Stem Cell Toxicology: Searching for the Missing Link; Chapter 20 Epigenetic Modeling and Stem Cells in Toxicology Testing; Chapter 21 Use of Video Bioinformatics Tools in Stem Cell Toxicology; Author Index; Subject Index

Sommario/riassunto

Handbook of Nanomedicine and Nanotoxicology
