Table of Contents

- Preface p. vii
- Editor p. ix
- Contributors p. xi
- 3 Polycaprolactone Nanowires for Controlling Cell Behavior at the Biointerface Sarah L.Tao p. 3-1
- 1 Atomic Force Microscope Lithography on Biomimetic Surfaces Marcus Kramer and Albena Ivanisevic p. 1-1
- 2 Nanofiber-Based Integrative Repair of Orthopedic Soft Tissues Siddarth D. Subramony and Cevat Erisken and Philip J. Chuang and Helen H. Lu p. 2-1
- 5 Mixed Monolayer System of Mercaptobenzoic Acid and Polyethylene Glycol for pH Sensing: Surface-Enhanced Raman Scattering Studies Sandra Whaley Bishnoi p. 5-l
- 8 Enhanced Cell Growth, Function, and Differentiation by Ti02 Nanotube Surface Structuring Karla S. Brammer and Seunghan Oh and Christine J. Cobb and Sungho Jin p. 8-1
- 10 Nanotechnologies for Peripheral Nerve Regeneration Chandra M. Valmikinathan and Harinder K. Bawa and Radoslaw funka and Xiaojun Yu p. 10-1
- 4 Electrospun Nanofibers for Neural Applications Yee-Shuan Lee and Treena Livingston Arinzeh p. 4-1
- 7 Immune Response to Implanted Nanostructured Materials Kristy M. Ainslie and Rahul G. Thakar and Daniel A. Bernards and Tejal A. Desai p. 7-1
- 6 Nano-enabled Platforms for Metastatic Malignant Melanoma Sadhana Sharma and John Shapiro and Robbie J.Walczak and Piyush M. Sinha p. 6-1
- 9 Electrospun Pseudo Poly (Amino Acids) for Tissue Engineering Applications Parth N. Shah and Justin A. Smolen and Anirban Sen Gupta and Yang H. Yun p. 9-1
- Index p. 1
- 11 Nanoscale Control of Cell-Substrate Adhesion Jiyeon Lee and Nicole Clarke and Tanmay P.Lele p. 11-1
- 13 Engineering Soft Nanostructures for Guided Cell Response Matt J.Kipper and Jorge L. Almodóvar p. 13-1
- 12 Nanofibrous Materials for Vascular Tissue Engineering and Regeneration Wei Tan and Walter Bonani and Krishna Madhavan p. 12-1
- 14 Nanoparticles-Incorporated Scaffolds for Tissue Engineering Applications Hao Xu and Zarna Ashwin Bhavsar and Kytai Truong Nguyen p. l4-l