## Contents

Preface		v
Chapter 1.	Self-Assembling Supramolecular Nanostructures for Drug Delivery Michael Porter, Ran Lin, Maya Monroe and Honggang Cui	1
Chapter 2.	Bioactive Supramolecular Assembly of Peptide Amphiphiles to Control Cellular Fate M. T. Jeena, Huyeon Choi and Ja-Hyoung Ryu	27
Chapter 3.	Supramolecular Gel Electrophoresis of Protein Masamichi Yamanaka	67
Chapter 4.	Self-assembly of Polymer-grafted Inorganic Nanoparticles into Functional Hybrid Materials Chenglin Yi and Zhihong Nie	87
Chapter 5.	Surface Coated NIR Light-Responsive Nanostructures for Imaging and Therapeutic Applications Yanmei Yang and Bengang Xing	135

Chapter 6.	Surface Functionalization through Polymer Segregation	167
	Tatsuo Maruyama	
Chapter 7.	Nucleic Acid Hairpins: A Robust and Powerful Motif for Molecular Devices Sudhanshu Garg, Hieu Bui, Abeer Eshra,	175
	Shalin Shah and John Reif	

Index

201