DESCRIPTION

Here, front-line researchers in the booming field of nanobiotechnology describe the most promising approaches for bioinspired drug delivery, encompassing small molecule delivery, delivery of therapeutic proteins and gene delivery. The carriers surveyed include polymeric, proteinaceous and lipid systems on the nanoscale, with a focus on their adaptability for different cargoes and target tissues.

Thanks to the broad coverage of carriers as well as cargoes discussed, every researcher in the field will find valuable information here.

ABOUT THE AUTHOR

Professor Zhongwei Gu received his B. Sci. and M. Sci in Polymer Science from Peking University, prior to serving as a senior visiting scholar in the Research Triangle Institute, RTP and the University of Utah, respectively from 1984 to 1986 and 1991 to 1993. He was appointed as a professor in 1994, and presently serves as the chief scientist of the National Basic Research Program of China (the 973 program), director of the National Engineering Research Center for Biomaterials at Sichuan University, vice-chairman of the Chinese Society for Biomaterials (CSBM), executive member of the council of the Chinese Materials Research Society (C-MRS) and Chinese Society for Biomedical Engineering (CSBME) and is a Fellow of international Biomaterials Science and Engineering (FBSE).

His current research activities focus on the molecular design and controlled preparation of novel biomedical polymers, self-assembled biomaterials and nano-biomaterials, vectors for gene therapy, polymeric carriers and controlled drug delivery systems,

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