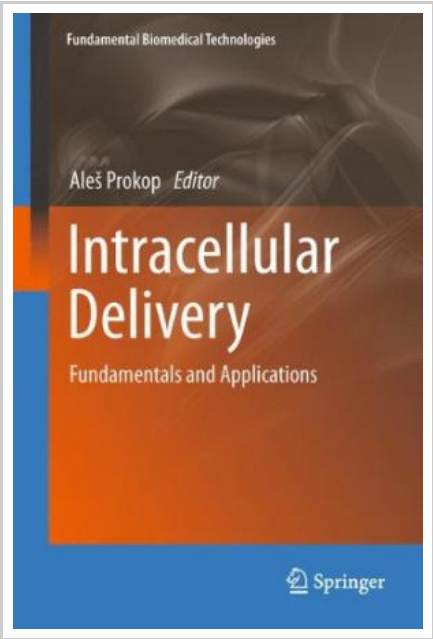

Intracellular Delivery Fundamentals and Applications Fundamental Biomedical Technologies

By -

Springer. Hardcover. Book Condition: New. Hardcover. 867 pages. Dimensions: 9.4in. x 6.5in. x 1.6in.This book features a special subsection of Nanomedicine, an application of nanotechnology to achieve breakthroughs in healthcare. It exploits the improved and often novel physical, chemical and biological properties of materials only existent at the nanometer scale. As a consequence of small scale, nanosystems in most cases are efficiently uptaken by cells and appear to act at the intracellular level. Nanotechnology has the potential to improve diagnosis, treatment and follow-up of diseases, and includes targeted drug delivery and regenerative medicine; it creates new tools and methods that impact significantly upon existing conservative practices. This volume is a collection of authoritative reviews. In the introductory section we define the field (intracellular delivery). Then, the fundamental routes of nanodelivery devices, cellular uptake, types of delivery devices, particularly in terms of localized cellular delivery, both for small drug molecules, macromolecular drugs and genes; at the academic and applied levels, are covered. The following section is dedicated to enhancing delivery via special targeting motifs followed by the introduction of different types of intracellular nanodelivery devices (e. g. a brief description of their chemistry) and ways of producing these different devices. Finally,...

Reviews

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Great eBook and useful one. it was actually writtern really completely and useful. You are going to like the way the article writer publish this publication.

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