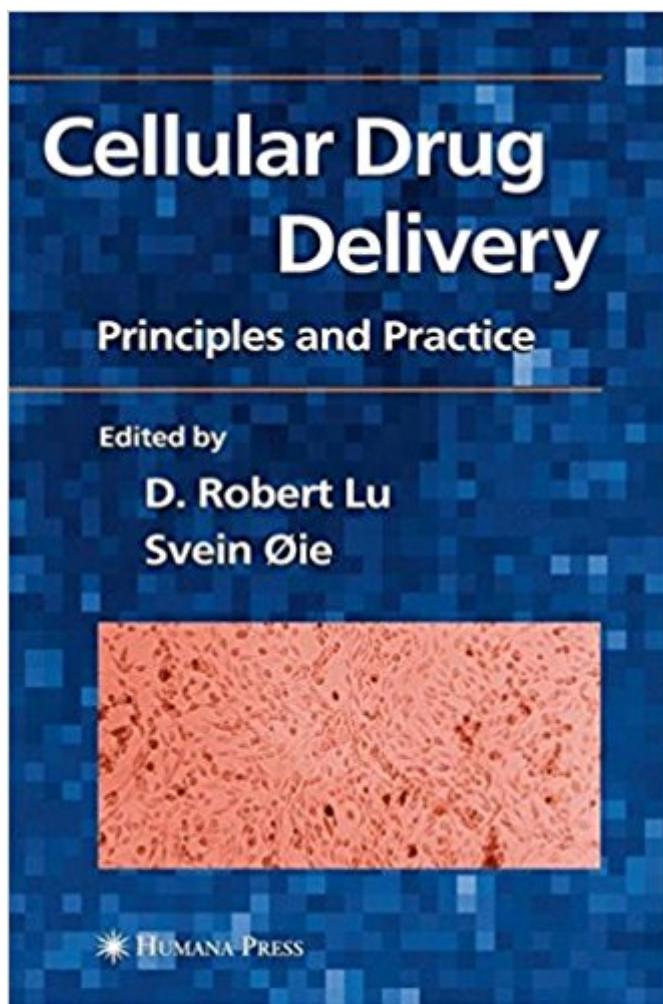


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Cellular Drug Delivery: Principles And Practice



Synopsis

An authoritative and up-to-date survey of the fundamental principles, and practice of drug delivery at the cellular level. On the principles side, the authors discuss the broad spectrum of cellular delivery, ranging from coverage of cell-mediated immunity, gene delivery, and protein targeting, to cellular drug transport, cellular drug permeability, and a variety of carrier system related to targeted drug delivery. On the practice side, the authors focus on technological developments in cellular drug delivery, including novel formulations for the delivery of DNA and antisense oligonucleotides ,as well as drug targeting with immunoglobulin formulations and antibody-mediated approaches.

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Research on cellular drug design and the development of pharmaceutical platforms for the controlled delivery of a drug to its cellular sites of action has dramatically evolved in recent years. In *Cellular Drug Delivery: Principles and Practice*, established investigators in pharmaceutical research and industry review and summarize the emerging principles and practice of cellular drug delivery. On the principles side, the authors discuss the broad spectrum of cellular delivery, ranging from coverage of cell-mediated immunity, gene delivery, and protein targeting, to cellular drug transport, cellular drug permeability, and a variety of carrier systems related to targeted drug delivery. On the practice side, the authors focus on technological developments in cellular drug delivery, including novel formulations for the delivery of DNA and antisense oligonucleotides, as well as drug targeting with immunoglobulin formulations and antibody-mediated approaches. Additional chapters review the fundamental concepts and synthesize our optimal understanding of cellular structure, transport,

growth, and defense response, and their roles in cellular drug delivery. Comprehensive and up-to-date, *Cellular Drug Delivery: Principles and Practice* offers pharmaceutical scientists a uniquely valuable reference resource devoted to illuminating the fundamentals, principles, and practice of cellular drug delivery today.

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