

# Download Drug Delivery Principles And Applications

The first closed bilayer phospholipid systems, called liposomes, were described in 1965 and soon were proposed as drug delivery systems. The pioneering work of countless liposome researchers over almost 5 decades led to the development of important technical advances such as remote drug loading, extrusion for homogeneous size, long-circulating (PEGylated) liposomes, triggered release liposomes ... This review focuses on the smart chemistry that has been utilized in developing polymer-based drug delivery systems over the past 10 years. We provide a comprehensive overview of the different functional moieties and reducible linkages exploited in these systems, and outline their design, synthesis, and application from a therapeutic efficacy viewpoint. The perfect mix. The DDF Summit brings together leading formulation development, drug delivery and device development professionals from both industry and academia to share and discuss their latest work. To date, a myriad of materials, such as polymers, lipids and inorganic materials, have been developed and served as drug carriers to control the release behavior of payloads [11-16], making the drugs "smart". In this review, we summarize the well-defined smart carriers, including the smart polymer carriers, liposome, organic-inorganic hybrid smart nanoparticles, exosomes, and other ... - Drug Delivery Principles And Applications