Lecture 7: Normal & facilitated cell entry mechanisms

I. Introduction
   A. the general problem of cell entry
   B. choosing modes of cell entry
   C. how does Nature do it? (biomimetics)

II. Non-specific uptake mechanisms
   A. pinocytosis by all cells
   B. phagocytosis by some cells

III. Receptor mediated uptake
   A. Receptor mediated transport of desired molecules
   B. Example- transferrin receptor transport of iron for metabolism

IV. Nanoparticle uptake
   A. Size matters
   B. Agglomeration reduces uptake

V. Drug delivery by "shedding"
   A. Extracellular drug delivery by shedding
   B. Intracellular drug release by shedding

References


