

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

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