

Chapter - 13

NANOMEDICINE

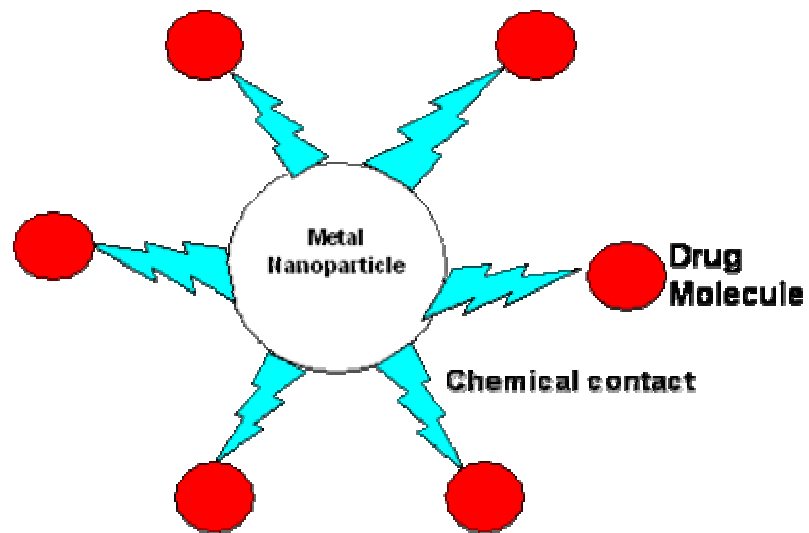


Figure 1: Drug molecule attached to metal nanoparticle via covalent/ionic interaction.

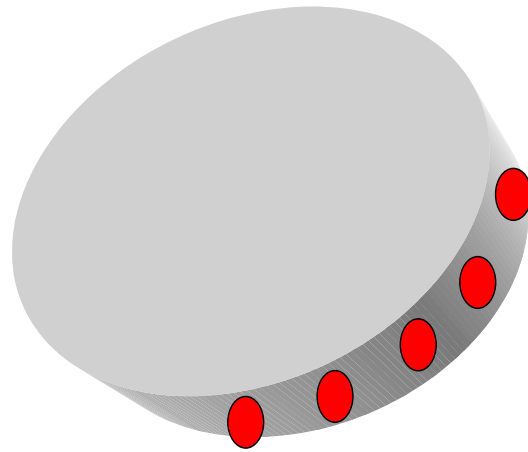


Figure 2: Cross Section of Nanopore with drug molecule contained inside the pore (red circle).

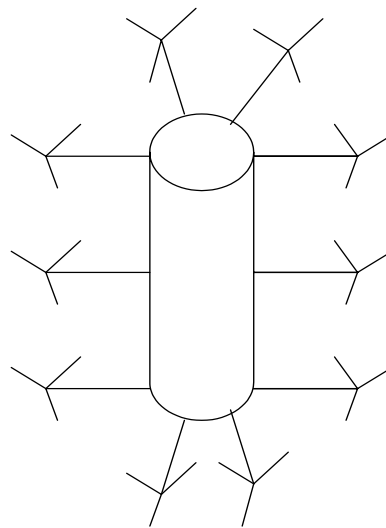


Figure 3: Dendrimer (tree shaped nanoparticle), nanometers in dimension with branches projecting out.

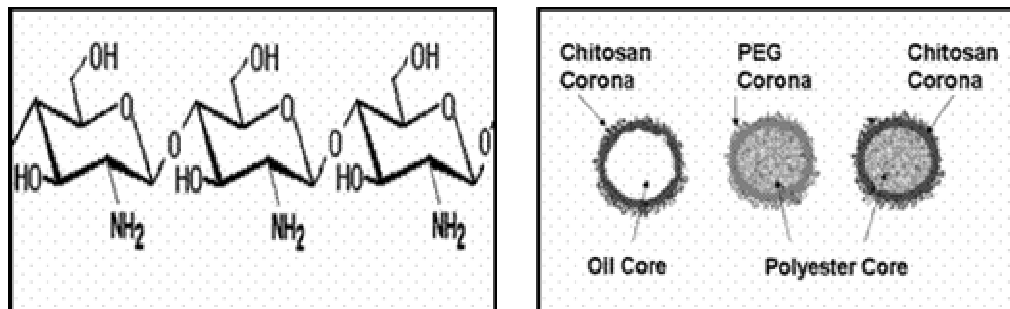


Figure 4: Structure of chitosan and various kinds of core-corona nanosystems.

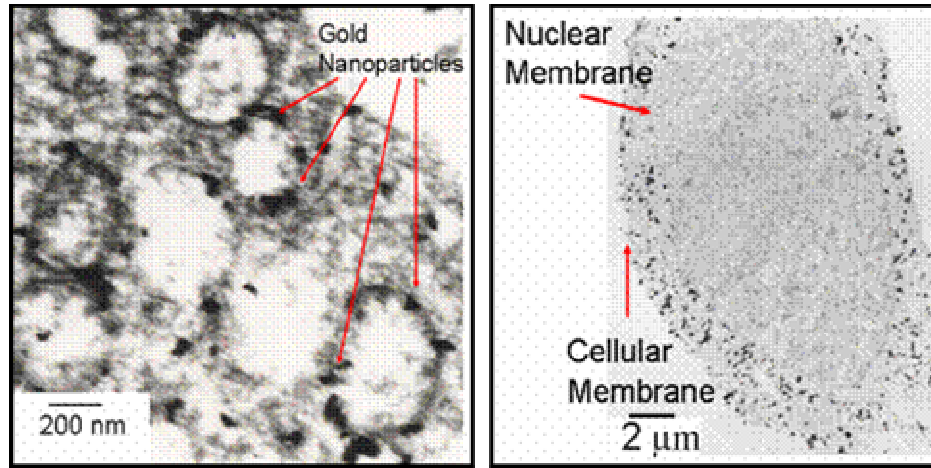


Figure 5: Electron micrographs of the growth of gold nanoparticles in HEK 293 (left) and SiHa (right) cells after incubation with 1 mM chloraurate ions for 96 h. The left side image shows nanoparticles around cell bodies (**from the author's work**).

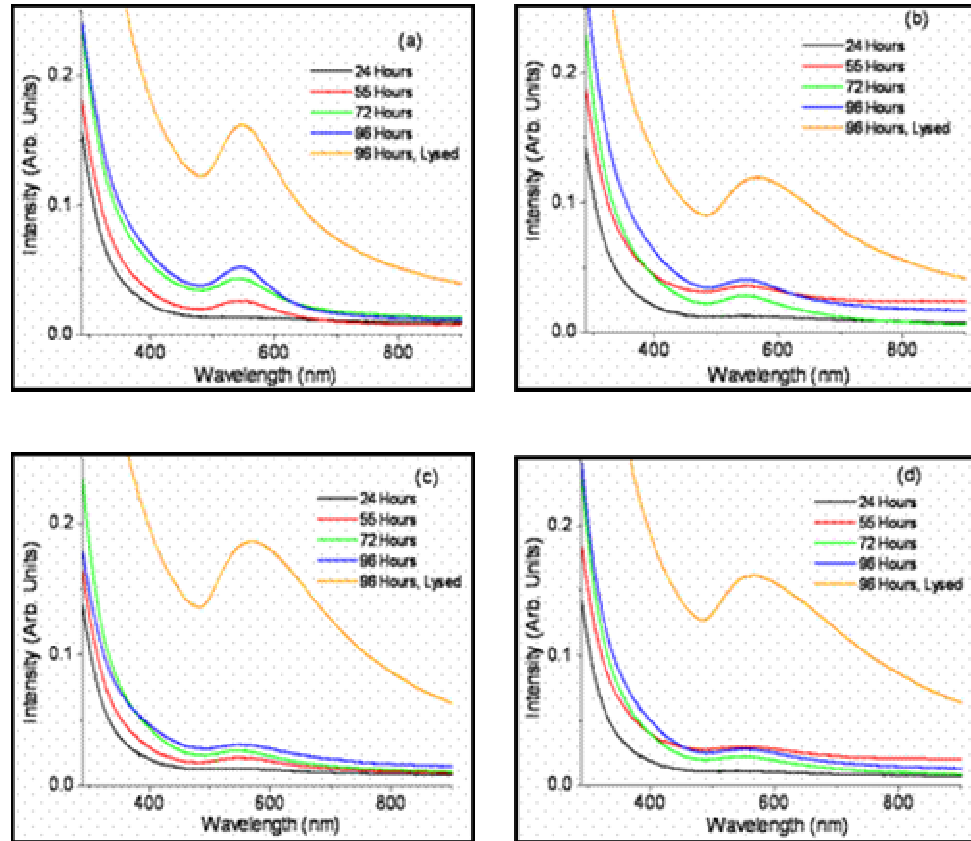


Figure 6: UV-visible spectrum for (a) HEK 293 cells with 1 mM chloroaurate ion solution. (b) HeLa cells with 1 mM chloroaurate ion solution. (c) SiHa cells with 1 mM chloroaurate ion solution. (d) SKNSH cells with 1 mM chloroaurate ion solution. **(from the author's work)**