



1

Satellite particles are loaded with drugs. Each of these particles have a core which is surrounded by drug molecules. They passively target the tissue (i.e. designed to prolong the interaction of drug). When localised, the core detaches itself from the drug molecules, making them active.

2

Hierarchical and specialised swarm of nano-particles. The swarm consists of bull dozer particles (to penerate inside the tissue) and drug carrying satellite particles (To deliver the drugs). Particles can interact locally using physical means. The mechanical links also provide computation for particles to change their states. For instance, bulldozer particles deactivate their links to allow core detachment in satellite particles.

3

Bulldozer particles are equipped with ligands which are complementary to the specific receptors of a tissue.