Nanoparticles (NPs)

W e have rich experience in **formulation and scaling up** of various nanoparticles, nanocapsules, nano-thickness coatings, etc. Examples of nanomaterials include, but not limited to:

- **Gold** (Au) nanoparticles
- **Magnetic** (e.g., iron oxide)
- Magnetic **calcium phosphate** (MCaP)
- Quantum dots
- Carbon nanotubes
- SiO_2
- **Liposome**
- Solid-lipid nanoparticles (SLPs)
- **Polymer** nanoparticles such as chitosan and as PLA, PGA, PCL, PLGA.
- **Upconversion NPs**
- **Fluorescent NPs**

These nanoparticles can be used for drug/gene/vaccine/cell delivery, sensing/detection, hyperthermia, imaging, diagnosis, and therapeutic treatment.

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