NanoBiotechnology

Biomedical, pharmaceutical, cosmetic applications

Antimicrobials, biodetection and labelling, drug delivery, MRI contrast agents, sunscreens

Optoelectronics, electronics, magnetic applications

Polishing supports, electroconductive coatings, magnetic fluid seals, magnetic recording media, SET MLCs, optical fibers, quantum dot devices, solar cells

Energy, catalytic and structural applications

Automotive catalyst, ceramic membranes, fuel cells, photocatalysts,propellants, batteries, structural ceramics, thermal spray coatings, scratch resistant coatings

- Neoproteoglycans
- Nanoporous fibers
- Biocompatible devices
- Cellulose-based nanocomposites