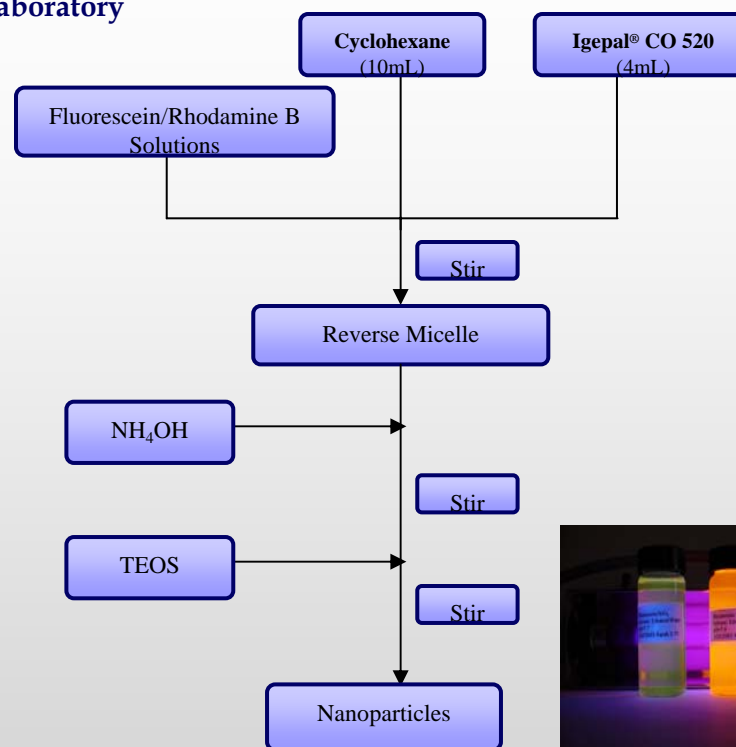
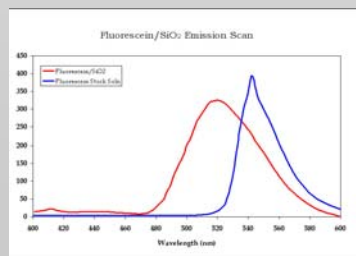
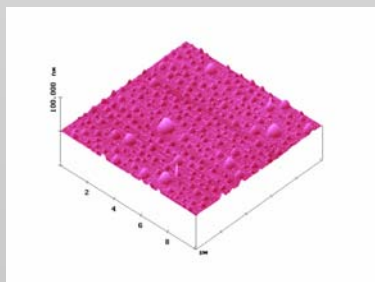
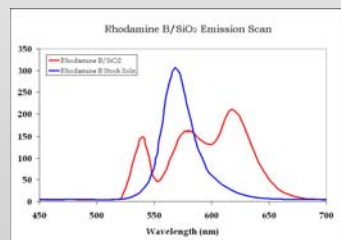
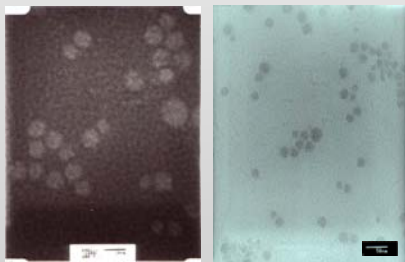


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Fluorescent nanoparticles can be synthesized using reverse micelle techniques. The nanoparticles may be used to track the movement of labeled cells in cultures, tissues or intact organisms. Fluorescent tagging can also be used to investigate capillary flow, define neuronal cell connectivity and morphology and to study dye translocation through gap junctions.

Fluorescent Properties of Suspensions



Future Work

- Establish synthesis and processing methods for the synthesis of Fluorescein/Rhodamine B/Metal /SiO₂ systems
- The development of new characterization techniques
- Optimize parameters which determine the size, shape, dispersion and microstructure of the nanoparticles.