



Redox Active Nanoscale Cerium oxide for nanobiomedicine Chair: Dr. Enrico Traversa (MANA PI)

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The redox ability of ceria has been used in a wide range of applications such as three way catalysis, oxygen buffer systems and corrosion prevention. However, for the first time, Nano cerium oxide is finding potential use in the treatment of disorders caused by the reactive oxygen intermediates (ROI). This presentation will provide a brief overview of the applications of nanoceria in treatment of disorders caused by the reactive oxygen species. The role of size and stability of ceria nanoparticles in toxicity analysis has also been explored. It was found that the surface chemistry of these nanoparticles can be controlled with the type of medium and their implications in nanobiomedicine are presented.

Venue: Seminar Room #431, MANA Bldg.

Date: November 17th (Wed) Time: 15:30-16:15

