

8/7/2007

IGERT Nanomedicine Outreach: Introduction to the Nanoworld

The IGERT fellows have developed an *Introduction to the Nanoworld* workshop to teach students and the local community about Nanomedicine and its applications. To date, participants include middle school students from the Bernard Harris Summer Science Camp, high school students in the Young Scholars Program, and K-12 teachers from the Research Experiences for Teachers (RET) Program. The participants investigated the size/color relationship of gold nanoparticles and precipitated gold nanoparticles. The participants also synthesized their own magnetic iron oxide nanoparticles and explored the use of nanodevices in diagnostics, biologic imaging, drug delivery, and therapeutics. The students were challenged to probe the journey of nanomedicine to the clinic, considering future implications and current obstacles. The RET teachers were provided with an expanded lesson plan and resources to perform the laboratory experiments in their own classrooms.

