

**Summary for the Informatics Breakout Session at the  
Nanotoxicology Workshop on Tue. Mar. 16.**

**E. Informatics: Developing ways to share and  
integrate nanotoxicology information.**

Our session focused on existing informatics tools used to integrate nanotoxicology information as well as future directions. Speakers noted that bioinformatics flourished due to the explosion of information gathered by modern sequencing and global gene expression technologies in the fields of cancer and the immune system. The need for informatics in nanotoxicology is driven by similar advances in metabolonomics and nano and micro scale arrays. A few databases and blogs exist in nanotoxicology, but none comprehensive. There is a strong need for developing an extensive nanotoxicology database using the NIH ENTREZ as a template.