



**Science Advisory Board
Exposure and Human Health
Committee**

May 30, 2012

Jim Jones

Acting Assistant Administrator

Office of Chemical Safety & Pollution Prevention

- Science is central to our mission
- Comp Tox has an important role to play in EPA's scientific and programmatic future.

- Toxic Substances Control Act
 - Thousands of existing chemicals
 - Hundreds of new chemicals added each year
- Federal Insecticide, Fungicide and Rodenticide Act and Federal Food, Drug and Cosmetic Act
 - Over 1,200 pesticide active ingredients
 - Requirement to evaluate endocrine effects
 - 8,500 Safe Drinking Water Act chemicals and pesticide inert ingredients

Near Term

- Prioritization
- Enhanced hazard characterization, e.g. green chemistry

Intermediate Term

- Targeted testing

Long Term

- Assay replacement

- Peer review critical
- Need close collaboration within the scientific community, international organizations and government partners

Examples: NAS, SAB, ORD's BOSC, NTP, and OECD

- Partnership and stakeholder involvement critical
- As EPA develops, evaluates and applies these new tools, must have broad acceptance within stakeholder community
 - Example: Pesticide Program Dialogue Committee Workgroup on 21st Century Toxicology/New Integrated Testing Strategies

Challenges and Opportunities

- Ensure methods are scientifically defensible and characterize uncertainties
- Advance acceptance in scientific community and public
- Foster workable transition from traditional methods
- Meet statutory requirements

Forward-looking, consultative advice that:

- Acknowledges the connections between science and policy.
- Advances our thinking on how to responsibly integrate new science into decisions that advance chemical safety.

To learn more about our programs:

www.epa.gov/oppt, www.epa.gov/pesticides, and
www.epa.gov/endo

