Stakeholder Sessions

2016 • New Orleans
SOT
Annual Meeting & ToxExpo

U.S. EPA's Endocrine Disruptor Screening Program:

Use of High Throughput Assays and Predictive Models to Screen & Test for Endocrine Activity

A Paradigm Shift in Chemical Safety Testing

Over **1,800** chemicals have been screened for estrogen bioactivity using high throughput assays and predictive models

This is the <u>first</u> systematic application of EPA's ToxCast data in an EPA regulatory program

Benefits of this shift from *in vivo* to *in vitro* and *in silico* methodologies include:

- Accelerated pace of screening
- Decreased costs
- Reduced animal testing
- Increased efficiency
- Sensitive, specific, and quantitative results

> **Further explanation available at the EPA table #1351 in the ToxExpo, including review of data at 2:15pm Monday, March 14th and Wednesday, March 16th**

Bring your lunch to <u>one</u> of these sessions to hear about the program's progress in protecting human health and the environment, *including List 1 Tier 1 weight of evidence determinations, opportunities for collaboration, and next steps in this pivot towards 21st century toxicology*:

Monday, March 14th 12pm-1pm
Tuesday, March 15th 12pm-1pm
Room 212

New Orleans Ernest N. Morial Convention Center
900 Convention Center Blvd, New Orleans, LA 70130