AOPs Connect Toxicity Pathways to Regulatory Endpoints

Predictivity of measurement for AO decreases

Time exposure->effect increases, cost increases, QSAR accuracy decreases, etc.
AOPs are Chemical Agnostic

- They will not help in any way with the ADME issues discussed in the previous session
- Stressor information can be associated with the AOP in the AOP-KB

![AOP Diagram]

- MIE: Receptor/Ligand Interaction, DNA Binding, Protein Oxidation
- KE: Protein Production, Altered Signaling
- KE: Altered Physiology, Disrupted Homeostasis, Altered Function
- AO: Impaired Development, Impaired Reproduction
- AO: Structure Recruitment, Extinction
AOPs are Relevant for ALL Toxicity Measurements

- Promotes understanding of the biological mechanisms
- Provides a scaffold for the relevant measurements