

# LRI 2016 WORKSHOP

“AOPs and Genomics:

how useful, how to address risk, and where next?”

***Welcome and outline***

*Chair: Dr Stuart Marshall, Unilever*



# LRI 2016 Workshop outline

## “AOPs and Genomics:

how useful, how to address risk, and where next?”

---



- 1. LRI Award dinner talk session (yesterday)**
- 2. Welcome and outline /  
LRI long-term challenges refocus**
- 3. Plenary session: LRI projects impact with focus on environmental methodology, nanomaterials, dust and workers exposure, dermal absorption, eye irritation, epidemiology, and epigenetics**
- 4. Panel discussion:  
“Genomics technology and AOP methodology: how useful, how to address risk, and where next?”**

# LRI Research Areas



- Intelligent testing
- Complex environments
- Acceptance of technologies
- Policy impact

Long-term challenges (<10 yr):

7 key questions

# Executing the long-term refocus of the LRI Key questions (< 10y)



- 
1. **Omics / 21st Century Toxicology:** How to link information at molecular level to health impacts and interpreting results for meaningful decision making?
  2. **Predictive tools for health impact:** What are pragmatic approaches for reducing complexity, whilst maintaining robust predictions of health effects?
  3. **Combination effects:** How to identify combination effects scenarios of concern?
  4. **Eco-systems approach:** Which new concepts enhance ecological relevance of risk assessment?
  5. **Real life Exposure:** Which predictive, validated exposure scenarios apply to assessing environmental stressors?
  6. **Comparative assessment:** How to interpret impact of health and environmental stressors?



---

**Let's get on with it !**