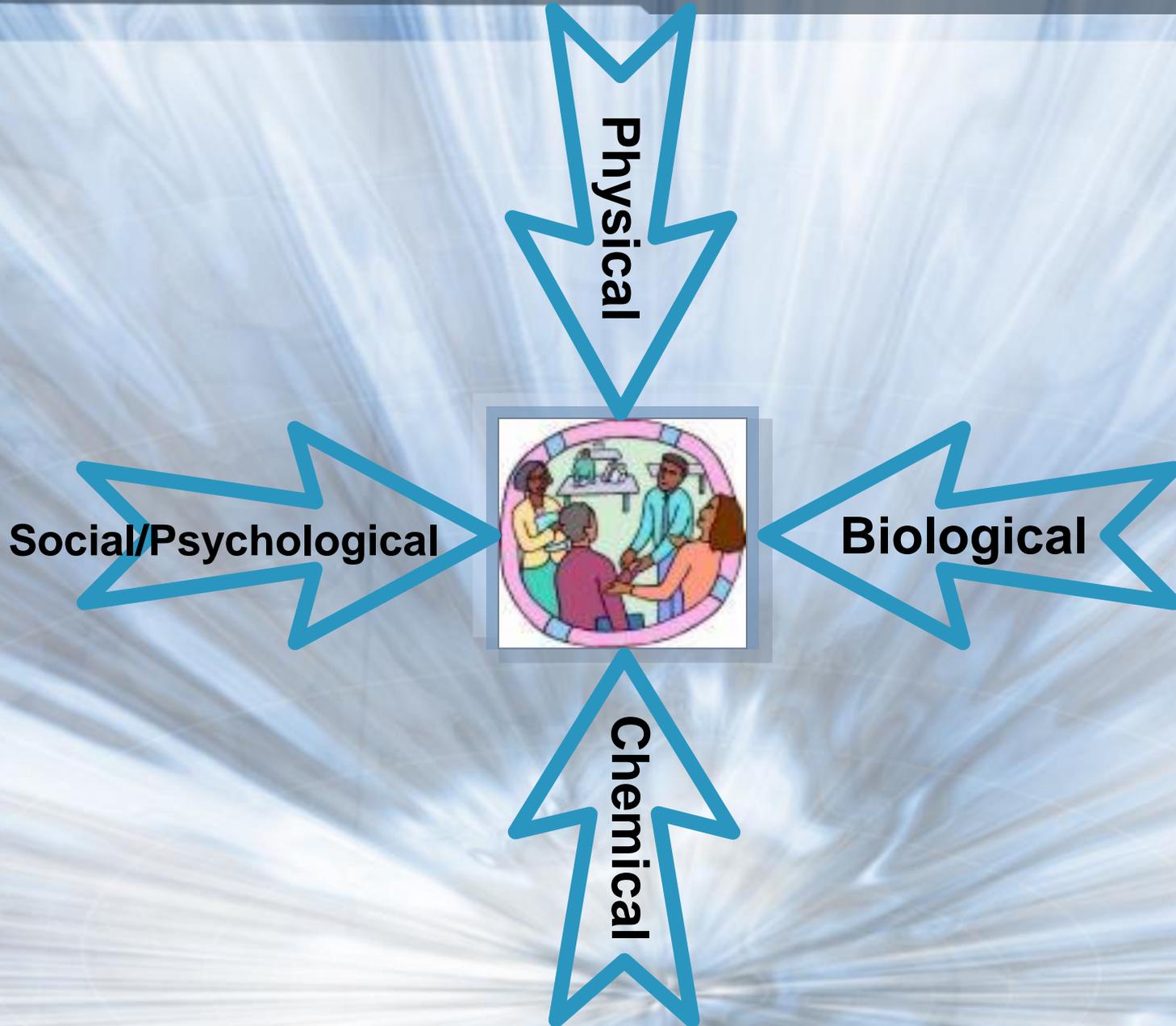


Workers Health and The Bottom Line

TURA 20th Anniversary Symposium
November 4, 2009

*Stephen Gauthier
CMFS Trainer
Health and Safety
Activists*

Determinants of Health and Safety



- **Sensitizers**

- Sensitizers can “switch on” a reaction in an individual worker.
- The reaction to a sensitizer depends upon the individual worker.
- Once a worker becomes sensitized to a compound, smaller and smaller exposures can cause a reaction, and the reactions can become more severe



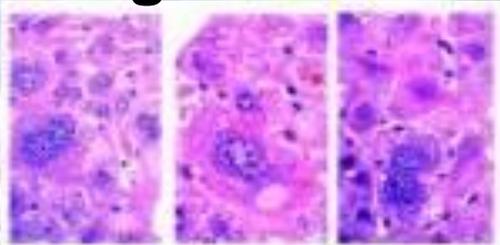
Worker Health

An Upstream Look, routes of entry/possible effects

- Inhalation
 - occupational asthma
 - hypersensitivity
- Ingestion
 - mouth and throat
 - organ adsorption
- Dermal Contact
 - irritant
 - allergic

**Inhalation
Challenges**

All having a Dose relationship

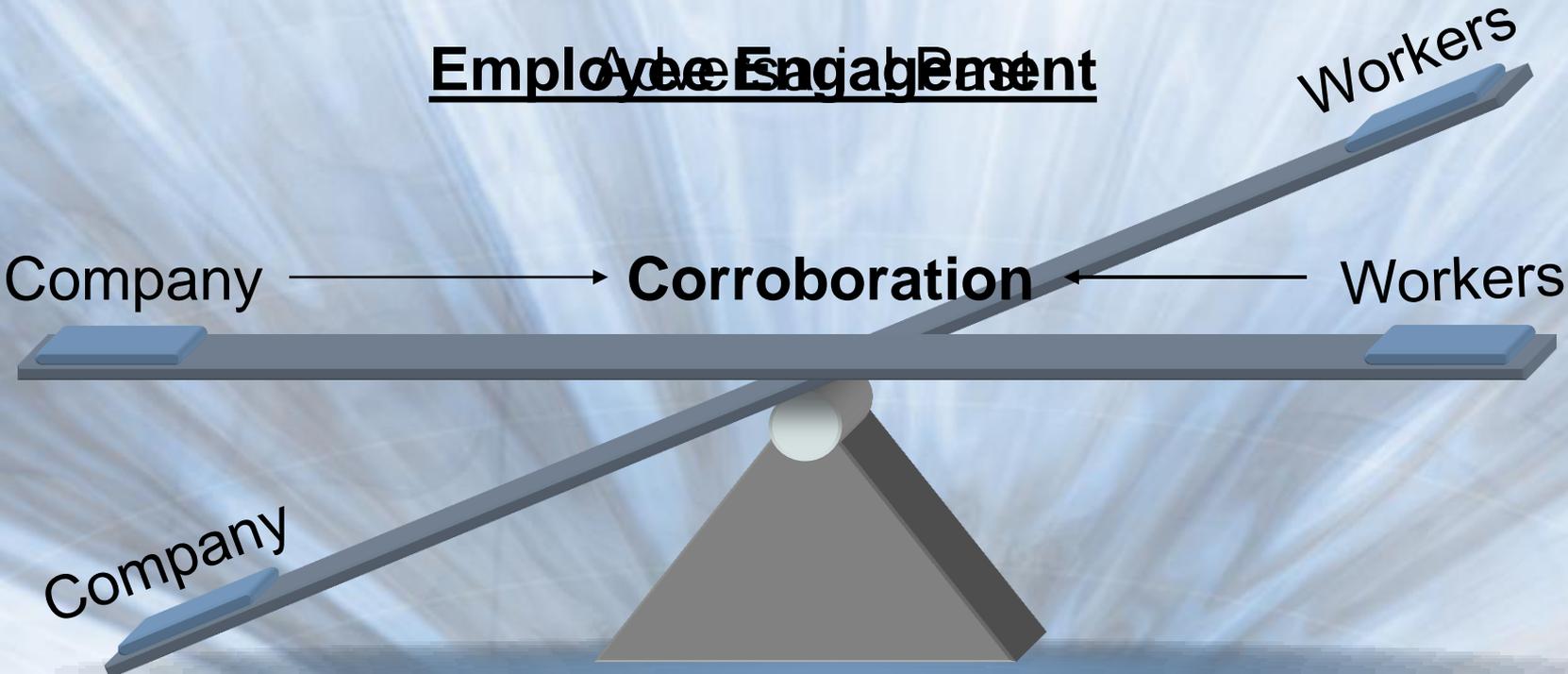


- Prevention Hazard Identification
 - Dose-response Assessment
 - Exposure Assessment
 - Risk Characterization
- *Hierarchy of Control*
 - *Elimination*
 - *Substitution*
 - *Engineering controls*
 - *Administrative controls*
 - *PPE personal protection equipment*



Worker Health

Employee Engagement



Corporate Bottom Line

- Toxic Use Reduction Provides:
 - A Competitive Advantage (when applied)
 - *P2 Materials, Processes, and Practices*
 - Six Sigma project delivered cost saving \$89K annually
 - < Workers Compensation Cost
 - < Reduction in OSHA Recordables
 - < Reduced days away form work
 - > Improved scheduling
 - > Productivity improvements
 - > Reduction in disposal cost
 - > Toxic Release Inventory recordkeeping
 - > End of Pipe Risk!!!



Questions?

