



**A Rapid Turnaround
Method for Measuring
Dioxin and Related
Chemicals by an
ELISA Ah-Immunoassay®
Method**

Amy Lundquist, Ph.D.



Dioxin: What is it?

Persistent Organic Pollutants (POPs)

Dioxins

cPCBs

PAHs



Cancer
Immunotoxicity
Birth Defects

Highly Variable Toxicity

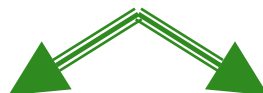


Dioxin: Where is it?

Combustion

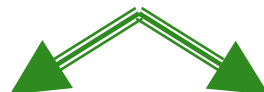
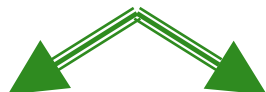


Air



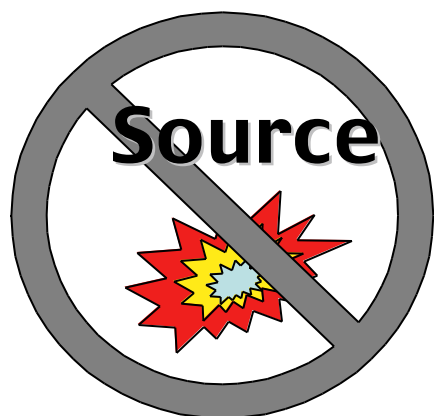
Water

Soil





Dioxin: Control?



Air

Water

Soil





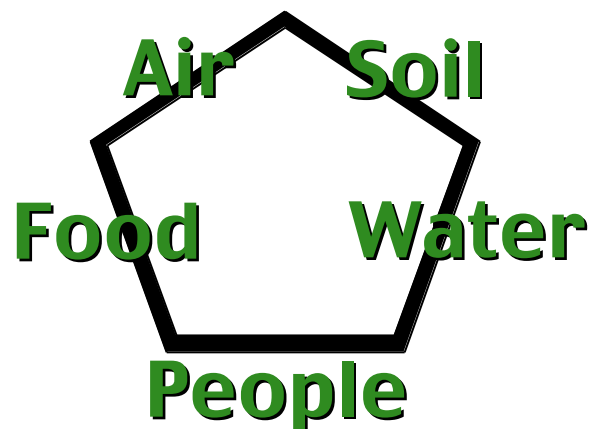
Dioxin: Strategy

**Initial
Research**



**Final
Regulations**

**Clear &
Consistent**

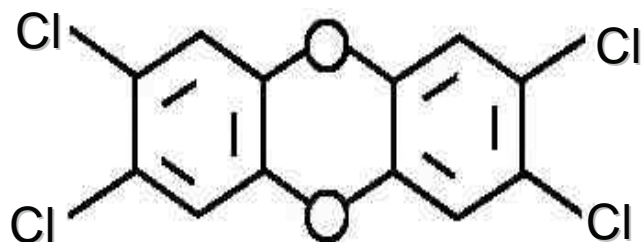




Dioxin: Research

Biochemistry

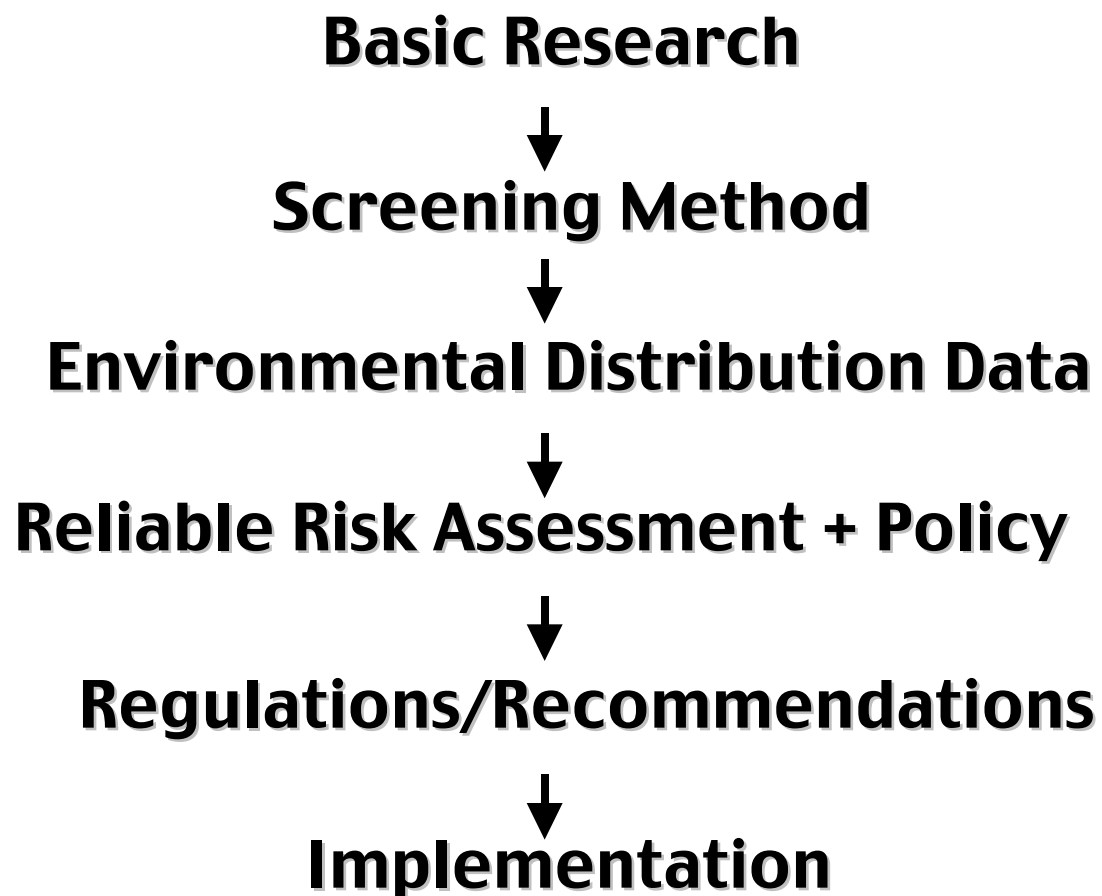
GC/MS



Toxicology

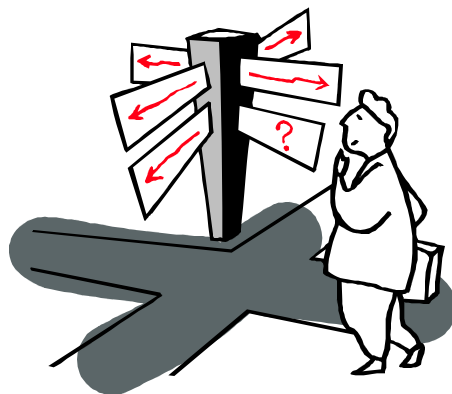


Ideal: Dioxin Strategy



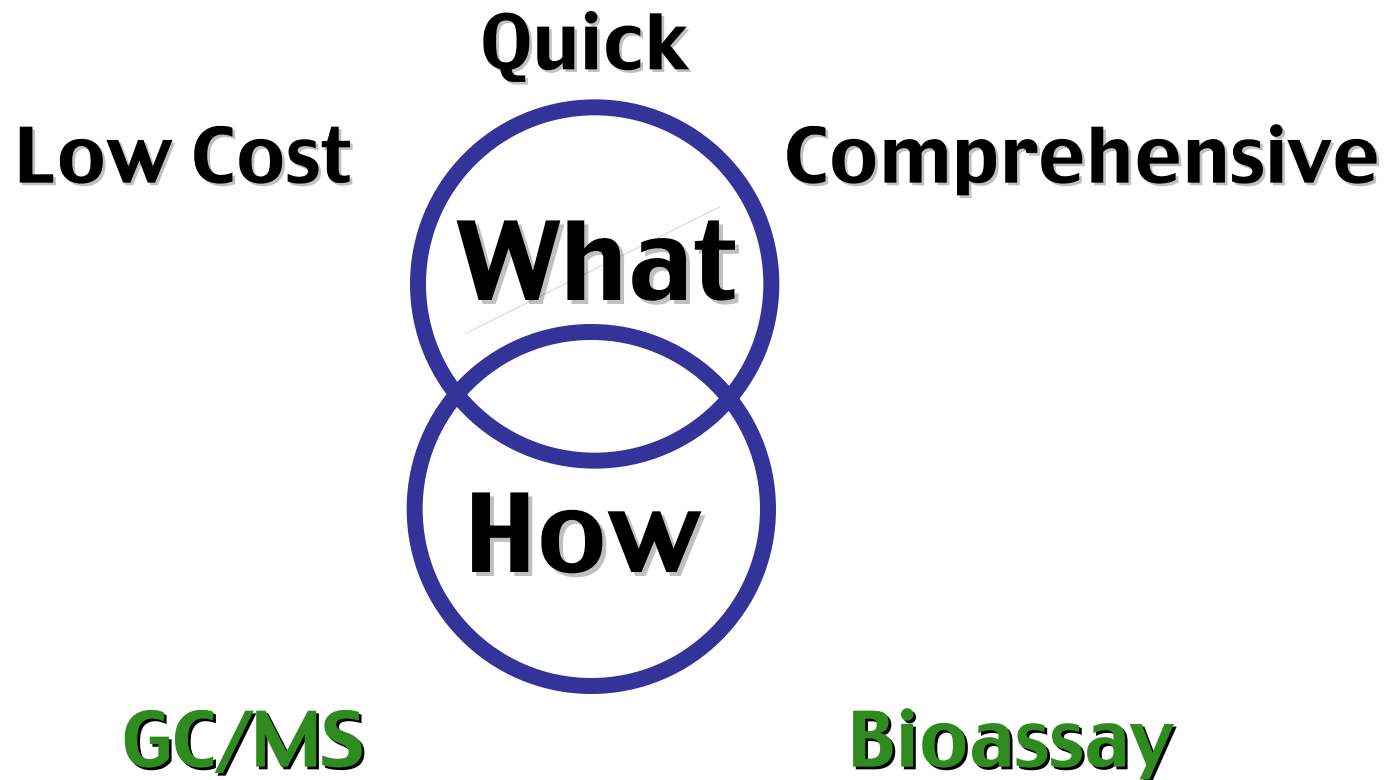


Present: Dioxin Strategy





Dioxin: Screening





Dioxin: Screening

GC/MS

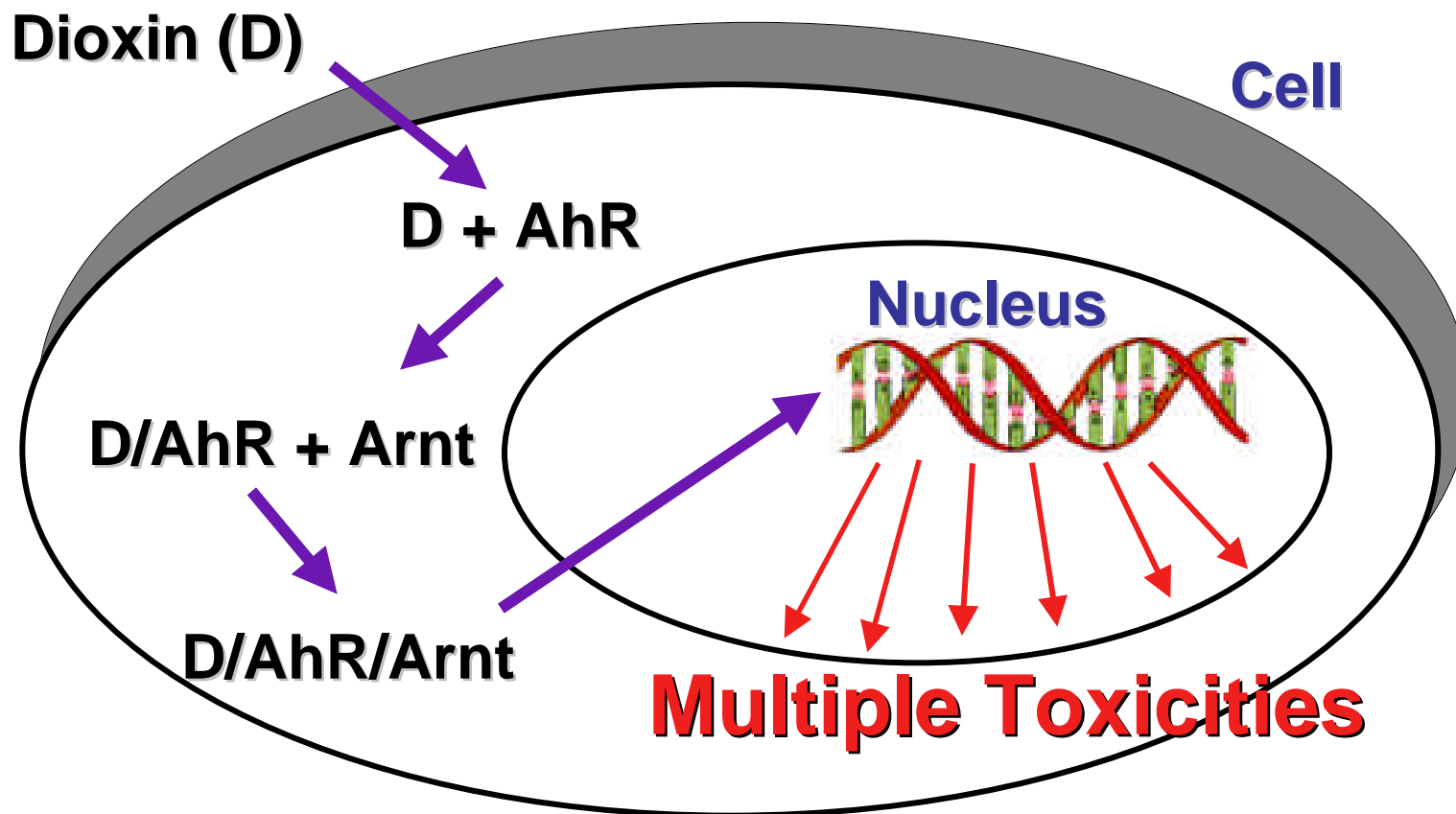


Bioassay



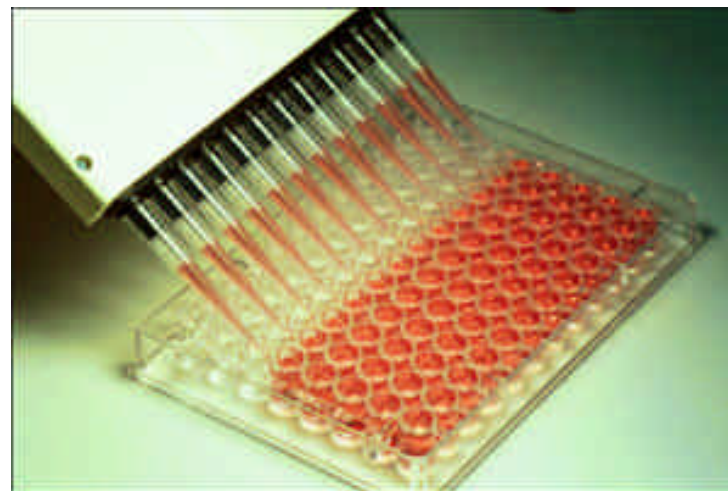
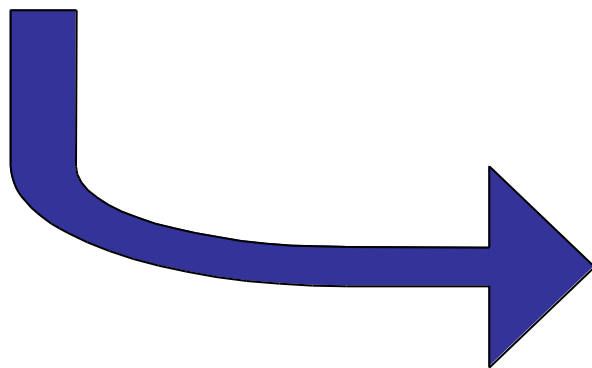
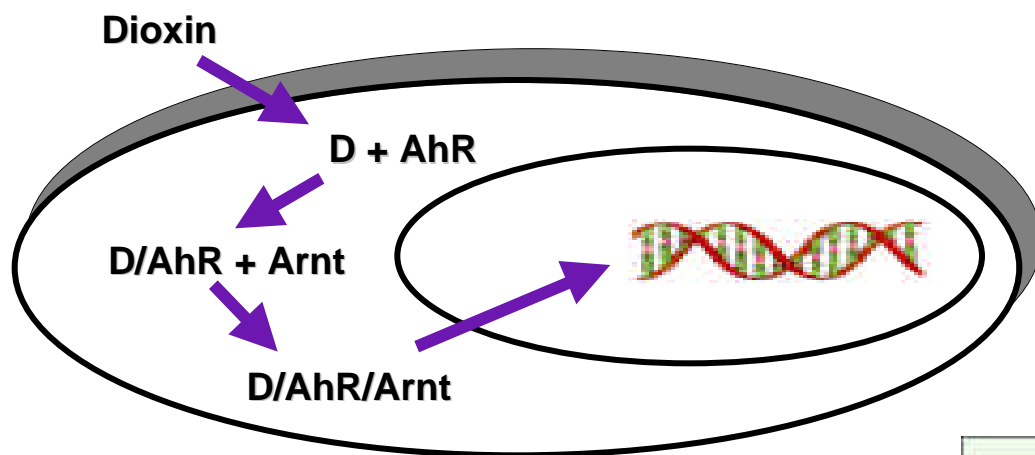


Dioxin: Mechanism





Dioxin: Ah-Immunoassay®





Dioxin: Ah-Immunoassay®



Sensitivity

Dioxin Toxic Equivalence

Ease of Use

Cell Free System

Multiple Sample Types



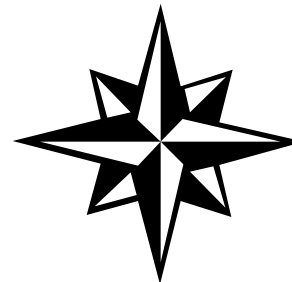
Dioxin: Ah-Immunoassay®



Quick



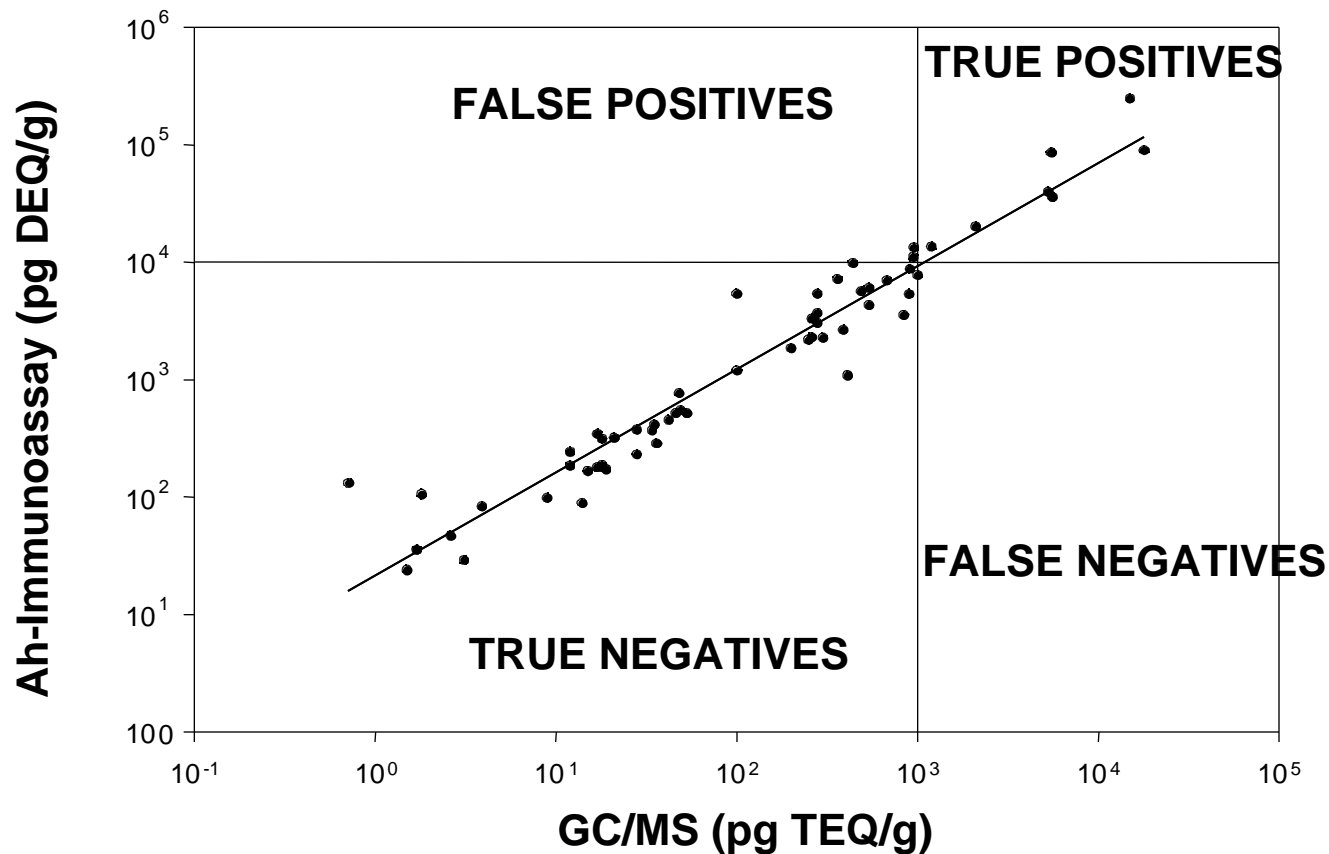
Low Cost



Comprehensive



Soil: Ah-Immunoassay®





A Rapid Screening Method: Ah-Immunoassay® Technology



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