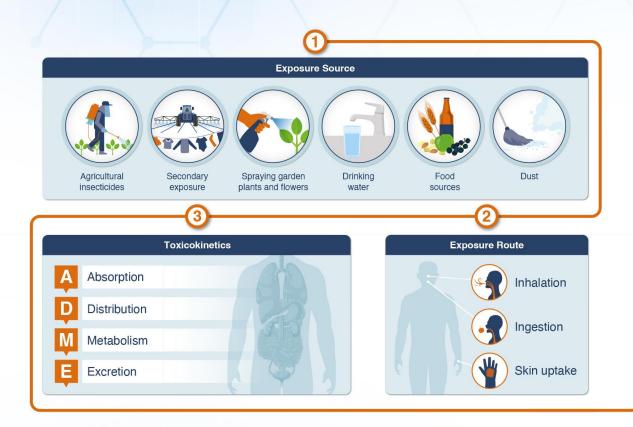


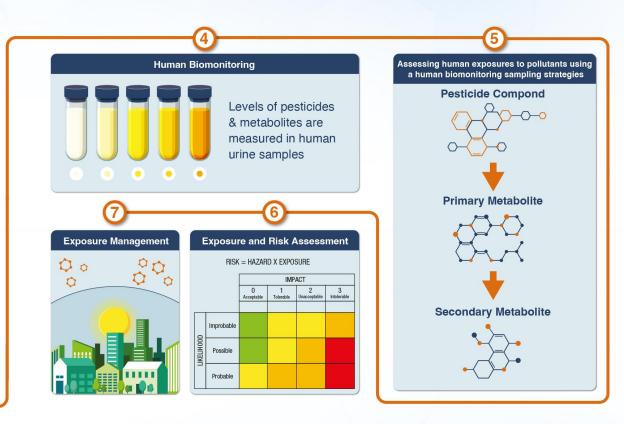


#### **Dr Alison Connolly**

Assistant Professor in the UCD Centre for Safety and Health at Work

# Assessing human exposures to pollutants using a human biomonitoring sampling strategies





Numerous studies investigating exposure to pesticides

Occupational and environmental settings

Numerous studies investigating exposures to pesticides

Occupational and environmental settings

**Characterising Occupational Exposure to Glyphosate among Amenity Horticulturists** 



A thesis submitted by

**Alison Connolly** 

Numerous studies investigating exposures to pesticides

Occupational and environmental settings



Numerous studies investigating exposures to pesticides

Occupational and environmental settings



Numerous studies investigating exposures to pesticides

Occupational and environmental settings

Feasibility for national programmes



### **DEMOCOPHES**

Investigating environmental exposures of mother/child pairs

- Mercury
- Phthalates

Contribution to the harmonized European approach to human biomonitoring studies





science and policy for a healthy future

# Human Biomonitoring – where are we now?

Grant Signatories –
 Environmental Protection
 Agency (EPA)

- Beneficiaries
  - University College Dublin (UCD)
  - Dublin City University (DCU)



## Human Biomonitoring – where are we now?

Food Safety Authority of Ireland (FSAI)

Biomarkers Working Group



### Human Biomonitoring – where are we now?

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EHP Partnership on Human Biomonitoring in the WHO European Region





Human Biomonitoring – how can we benefit?

### Addressing policy questions





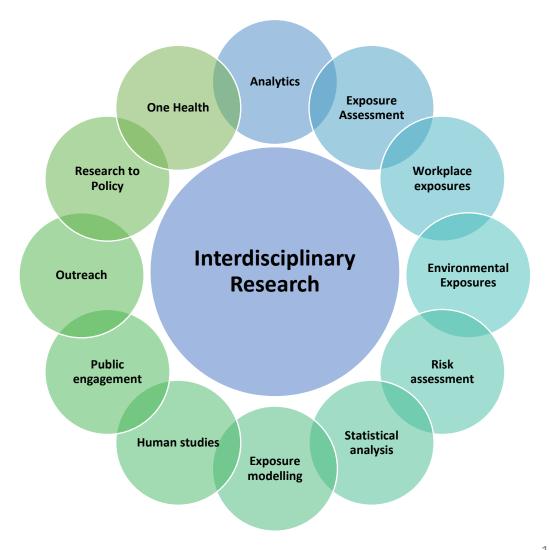




- Need for measured data
- Evaluate environmental and occupational settings
- Ensure safe chemical use

#### Access to an extensive international network

Investigating chemical exposures using human biomonitoring (HBM) strategies.





# Thank you

