

Environmental Exposure Biomarkers

What are Biomarkers?

- Biological Markers = Biomarkers
- Biomarkers are like small clues in our bodies that tell us information.
- Environmental exposure biomarkers can tell us about **what chemicals we have been exposed to like blood lead levels.**
- **Other biomarkers can tell us about our health.** For example, cholesterol levels for heart health or specific proteins that might indicate cancer.

What are Environmental Exposure Biomarkers?

What They Are:

Substances or changes in the body that show how much someone has been exposed to environmental pollutants or chemicals.

Why They Matter:

They help scientists and doctors understand the link between exposure to harmful substances and potential health effects like cancer risk.

How They Work:

They can be measured in blood, urine, or other bodily fluids and tissues. For example, levels of heavy metals like lead in blood.

Why They're Useful:

They can help track pollution's impact, guide public health policies, and assess whether safety regulations are effective.



CEECR's Mission

CEECR scientists are studying biomarkers to see how exposures in our environment may impact cancer risk.

