





Doctorado en Ciencias

Seminario Permanente

"Yuri Alexander Poveda Quiñones"

Forensic metabolomics: Tracing cyanide-induced metabolic changes in fatalities

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This forensic toxicology study transcends traditional analytics, which are often limited to the identification of specific compounds like cyanide, by embracing a broader and more in-depth approach that integrates lipidomics. metabolomics and Metabolomics investigates small metabolites in biological samples and their interactions, while lipidomics focuses on lipids and their alterations. These advancements possible through novel computational technologies, advanced data analysis techniques, and intelligence, which optimize data, model predictions, reduce dimensionality, and identify biomarkers.

This untargeted approach significantly enhances the understanding of toxicity processes by exploring biochemical alterations in the body with unprecedented precision and depth, providing a comprehensive perspective on the effects of intoxication.

Sala presencial: Edificio de formación avanzada Sala 15C-312.

Sala virtual: Plataforma ZOOM