



# CULTIVATING SAFETY: TOXICOLOGY 101 FOR BOTANICALS & NATURAL PRODUCTS



**2024 International Congress on Natural Products Research  
HESI Botanical Safety Consortium**

Saturday, 13 July 2024  
Kraków, Poland

This course will offer a deep dive into the world of botanicals, bridging the gap between their traditional uses and modern applications in supplements, medicines, and cosmetics. Participants will explore routes of botanical exposure, interactions with drugs, dose-response nuances, acute and chronic toxicity, and a range of potential health endpoints. With hands-on exercises, discussion of cutting-edge toxicity assessment tools, and interactive case studies—including challenges like product adulteration and new botanical discoveries—the course will provide a comprehensive look into the complexities of botanical safety, making it essential for researchers, practitioners, and thrill seekers.

## Course Developers

- Michelle Embry – HESI Botanical Safety Consortium
- Stefan Gafner – American Botanical Council
- Holly Johnson – American Herbal Products Association
- Olaf Kelber – Bayer Consumer Health
- Julie Krzykwa – HESI Botanical Safety Consortium
- Connie Mitchell – HESI Botanical Safety Consortium
- Cynthia Rider – National Institute of Environmental Health Sciences
- Amy Roe – The Procter & Gamble Company
- Richard van Breemen – Oregon State University



Register at: [www.icnpr2024.org/](http://www.icnpr2024.org/)

