

Janci C. Lindsay

Principal Consultant / Houston



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Background

Dr. Lindsay is a consulting toxicologist and full member of the Society of Toxicology. Dr. Lindsay has 29 years of scientific experience and holds a doctorate in Biochemistry and Molecular Biology from the University of Texas, Graduate School of Biomedical Sciences, M.D. Anderson Cancer Center, in Houston. She has extensive experience in analyzing the complex dynamics of toxicity, such as chemical pharmacology, exposure route, host metabolism, the dose/response relationship, genetic susceptibility and subsequent cellular effects as they relate to the contribution of specific substances to injury, impairment, human disease and cancer. Dr. Lindsay has consulted as an expert witness since 2006 and has testified in both civil and criminal cases in state and federal jurisdictions.

Dr. Lindsay specializes in the area of pulmonary toxicology and holds several publications in this field. She regularly investigates toxic tort cases involving pulmonary pathologies such as asthma, reactive airway disease, severe asthma fungal sensitivity syndrome (SAFS), allergic bronchopulmonary aspergillosis, chronic obstructive pulmonary disease (COPD), bronchiolitis obliterans, “popcorn lung”, asbestosis, mesothelioma and pulmonary fibrosis—that may be claimed following chemical, drug, fungal, microbial or particulate exposure.

Dr. Lindsay has experience in analyzing and evaluating gene and protein-based molecular markers of exposure and disease in the modern field of “Toxicogenomics” with respect to solvents such as benzene, PCBs and pesticides. Dr. Lindsay regularly investigates the biologic plausibility of exposure to certain chemicals and the disease endpoints being claimed particularly with respect to molecules which may act as selective endocrine disrupters/modulators and chemicals which may be oncogenic.

Dr. Lindsay additionally specializes in forensic toxicology investigations involving drugs and/or alcohol and

their potential to impair mental, physical and physiologic endpoints in dram shop, personal injury and criminal cases. Dr. Lindsay regularly performs retrograde and anterograde extrapolations to approximate drug or alcohol levels at the time of an incident using accepted scientific formulas and technique. Dr. Lindsay also has experience in overdose cases, missed pill, and wrong pill cases, where she has assessed the potential for drug/drug interactions and additive, subtractive or synergistic actions of combined substances and how this may impact toxicity and impairment. Dr. Lindsay also has experience with microbial and fungal pathogens toxicology as it pertains to infectious disease with species such as MRSA, Legionella, Clostridium, Listeria, Streptococcus, Giardia, and Aspergillus.

Dr. Lindsay also performs health-risk evaluations for a variety of consumer and industrial products, chemicals and pollutants and has extensively evaluated conventional cigarette and electronic cigarettes as they pertain to human health. Dr. Lindsay provides regulatory support with respect to hazards and warnings and labeling in consumer product and industrial product cases. Additionally, Dr. Lindsay has expertise in food and pharmaceutical adulteration and integrity claims that may involve excessive temperature excursions, microbial contamination, bodily fluid or animal waste contamination.

Education and Certifications

- Biological and Physical Sciences, B.S.: University of Houston-Downtown
- Biochemistry and Molecular Biology, Ph.D.: Graduate School of Biomedical Sciences, University of Texas