VCD as a Tool for Understanding Ovotoxicity and Modeling Menopause

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This talk will summarize the use of the occupational chemical, 4-vinylcyclohexene diepoxide (VCD) to selectively destroy ovarian small follicles in rats and mice by accelerating the natural process of atresia (apoptosis). Studies have characterized the cellular/molecular mechanisms by which VCD causes follicle loss, and VCD has been found to cause premature ovarian failure in mice, thereby producing an animal model for peri- and post-menopause. The model has been used to study a variety of physiological end points related to menopause-associated diseases.

Keynote Address • Room 1005 • 1:00–2:30 pm
Poster Session and Reception • East Atrium • 2:30–4:30 pm

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