Cytotoxicity Assessments for Cancer Prevention and Optogenetics: the Future of Toxicology?

This session presents an assay methodology for in vitro investigations of adjuvant chemotherapy related to tumor recurrence prevention. We will discuss cardiotoxicity investigations of iPS-derived cells using optogenetic stimulation. State of the art transfection and optogenetic technology allow simultaneous recordings of voltage and contractility, for efficient risk evaluation.

Nanion Technologies
Innovations for cell monitoring in safety and toxicity assays.
Elena Dragicevic

Ncardia
Optogenetic control of transiently transfected hiPSC-derived cardiomyocytes for the assessment of drug related cardiotoxicity.
Greg Luerman