New advances in plate reader technology

Monday, April 7
5:20 – 6:05 p.m.,
Americas Convention Center
Room 263.

This tutorial will highlight recent advances in PerkinElmer's EnVision® and LumiLux® platforms. EnVision Multilabel Plate Reader is widely used by researchers for screening biochemical compounds for drug discovery and is now available with two new Monochromator Options. The new EnVision technology integrates the sensitivity of filter-based platforms with the flexibility of monochromator-based platforms in a single system. The Monochromator Option can be combined with other EnVision options, including the TRF LASER™, which delivers a short, sharp excitation pulse, resulting in superior signal-to-noise ratios. The LumiLux Cellular Screening Platform is an ultra-high throughput cellular imaging platform with advanced liquid handling capability for luminescence assays. PerkinElmer now offers the new compact LumiLux CS Cellular Luminescence platform and unique cell stirrer that permits the use of suspension cells in uHTS screens. LumiLux systems deliver kinetic flash (Aequorin and Photina) and glow luminescence assays for up to 1536-well formats with suspension cells or adherent cells and enable full automation capability to screen >200,000 data points per day (Aequorin screening).