



**Tuesday, February 18**

**1:30 PM – 3:00 PM**

**Room 33A**

**HORIBA Scientific**

**A New Imaging Camera Technology Featuring TDC In-Pixel Architecture for Simple Dynamic FLIM Imaging at Video Rates**

A new wide-field video rate TCSPC imaging camera from HORIBA Instruments will be introduced. This camera is a CMOS manufactured array of single photon avalanche diode (SPAD) detectors, with each detection “pixel” having its own time-to-digital converter (TDC). Thus each pixel is capable of measuring precise fluorescence decays in time-domain, and the entire camera is providing a complete fluorescence lifetime image map (FLIM) with each frame of the camera. This new technology is much faster than traditional scanning FLIM modalities thus making it ideal for live cell FLIM dynamics.

**Speaker**

Cary Davies, Global Product Manager-Fluorescence Division, HORIBA Scientific