

## SEMINAR

Indiana CTSI Access Technology Program presents:

# “Introduction to Functional Drug Screening System Technology”

**Speaker:** Yiwen Wang, Ph.D., Application Scientist, FDSS Systems  
Hamamatsu Corporation

**Hosted by:** Chemical Genomics Facility (CGF)  
Lan Chen, PhD, Manager  
Purdue University

Friday, February 11  
12:00 pm – 1:00 pm

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Please register to receive the ZOOM meeting link:

<https://iu.zoom.us/meeting/register/tZYocOuhrTopG9EfCJ0N7qsxz1k5c-m605mZ>

**Description:** Functional Drug Screening System (FDSS/ $\mu$ CELL) is a laboratory screening system that allows simultaneous measurement and analysis of the kinetics of samples generating fluorescence or luminescence signals in all wells of a 96- or 384-well plate at the time of compound addition. Screening various compounds in a high-throughput fashion is enabled by measurements under the same conditions with no time lag between wells. FDSS is a perfect tool to study GPCR, ion channels and iPS cells. This seminar will introduce the principles, features and typical applications of the FDSS  $\mu$ CELL system available at the Chemical Genomics Facility.

### Disclosure Summary

The Access Technology Program provides investigators access and guidance in using novel technologies and Core Services. Services and views presented belong solely to the vendor; they do not necessarily reflect the views of the Indiana CTSI, Indiana University, Purdue University or University of Notre Dame.