



## Workshop on 3D Cell Culture for Anticancer Drug Research

**Date:** December 11 & 12, 2017

**Location:** 3D Cell Culture Core (3D3C) Facility, BRK2087, Birck Nanotechnology Center, Purdue University

**Course Fee:** \$350 per person

**Who should attend:**

Anybody who wants to learn about the basic techniques and concepts to use anticancer drugs and applications to 3D cell culture models

### Activities: Lecture, Discussions, Demonstrations, Hands-on Training

Day One	AM	Lecture (1.5h): Use of anticancer drugs <i>in vitro</i> and 3D cell culture models for anticancer-drug related research Classroom Exercise (1h): Preparation of an experiment using anticancer drugs
	PM	Demonstration and Hands-On Practical (2.5h): <ul style="list-style-type: none"><li>• Safety issues in drug preparation</li><li>• Preparation of anticancer drugs for drug toxicity assays</li><li>• Treatment of cells in 3D culture with anticancer drugs</li></ul> Classroom Exercise: (2h): Analysis of data from different drug toxicity assays
Day Two	AM	Q & A (30 min) Demonstration and Hands-On Practical – Part I (3.5 h) <ul style="list-style-type: none"><li>• Drug toxicity assays in 3D cell cultures</li></ul>
	PM	Demonstration and Hands-On Practical – Part II (1.5 h) <ul style="list-style-type: none"><li>• Analysis and comparison of data from different drug toxicity assays (from Part I)</li></ul> Q & A and Conclusion (1h)

**Prerequisites:** Purdue REM biosafety training and blood borne pathogen training; sufficient knowledge in 3D cell culture or 3D3C 3D Cell Culture training workshop

**Class Size:** Six participants (supervised by two trainers)

**Contact for question and registration:** Dr. Tim Kwok, Facility Manager, 3D Cell Culture Core (3D3C) Facility (kwokt@purdue.edu, 765-494-6697)

**Registration deadline:** November 17 2017