



Microscopic Analysis and Visualization of 3D Cultures Training Course

Date: November 17 & 18, 2016

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 in staining and microscopic visualization of 3D cultures

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

Day One	AM	Lecture (1.5h): Microscopic Analysis and Visualization of 3D Cultures Demonstration and Classroom Exercise (1h): Visual analysis of immunofluorescence images of 3D cell cultures
	PM	Demonstration and Hands-On Practical (4h) <ul style="list-style-type: none">• Observation of live 3D cultures by bright field/phase contrast microscopy• Fluorescence staining of live cells in 3D culture and observation by microscopy• Immunofluorescence staining of fixed 3D cell cultures (Part I)
Day Two	AM	Q & A (1h) Demonstration and Hands-On Practical (4h): Immunofluorescence staining of 3D cell cultures (Part II)
	PM	Demonstration and Hands-On Practical (3h) <ul style="list-style-type: none">• Histochemical staining of 3D cell cultures• Immunofluorescence staining of 3D cell culture (Part III) Q & A and Conclusion (1h)

Prerequisites: Purdue REM biosafety training and blood borne pathogen training; sufficient knowledge in basic cell culture techniques or 3D3C Cell Culture Basics 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: October 28, 2016