

TIGP-INS Bioimaging Winter Workshop 2015

Course coordinators: Drs. Hung-Hsiang Yu and Pei-Lin Cheng

Teaching assistants: Dr. Ya-Jen Cheng

Time: January 19th to February 2nd, 2015 (Monday to Friday, no class on January 30)

Credit (for TIGP-INS): 3 (NOTICE: Three course credits will be award and transfer to the “Spring” section, 2015. Please confirm with us whether it would cause any issues before you apply.)

Students: 6-8

Place:

Academia Sinica, National Ying-Ming University and National Taiwan University

Objectives:

The purpose of this winter workshop is to broaden students’ knowledge and experience on bioimaging technologies. This is a 10-day course with morning and afternoon sections, each section includes lecture and hand-on training, hosted in the invited laboratory or center in the AS, NYMU, and NTU campus as list in the syllabus. One class may have up to 8 students in maximum. Students are expected to gain bioimaging technologies applicable to neuroscience and biological research. On the first day, basic knowledge of optics, microscopy and bio-image techniques will be introduced. After the basic bioimaging knowledge introduction, each section will integrate projects of interest and the principle of instrument utilized, aiming to teach “how to” apply bio-imaging technologies on resolving various topics of neuroscience and biological questions.

Schedule:

(1) **Lecture: 09:00-11:00; 14:00-16:00, January 19th to January 29th; 09:00-12:00, February 2nd**

(2) **Rotation: 11:00-12:00, 16:00-17:00, January 19th to January 29th**

Note: The lectures and hand-on training will be taken place in the individual room announced by lecturers.

(3) **Oral presentation: 14:00-17:00, February 2nd**

Each student should choose a topic to present results from one of the experiments for 15 minutes.

(4) **Quiz will be given toward the end of each section**

Evaluation:

70% Rotation and Quiz ; 30 % Oral Presentation