

Practical Sessions for Croucher Summer School in Advanced Imaging 2017

- 5 workstations will be running at the same time for 4 afternoons.
- All practical session will be held for constitutive two afternoons on August 21st & 22nd (Monday and Tuesday) and then repeated on August 23rd & 24th (Wednesday and Thursday) for different students.
- Students will be assigned to 5 groups. Each student will select two different practical sessions.

Practical session A: Quantitative Single Molecule Microscopy

Faculty: Tomas Kirchhausen, Ph.D. Harvard Medical School, USA.

Equipment: TIRF and Spinning disc Confocal microscope

Practical session B: Light-Sheet Microscopy

Faculty: Shengwang Du, Ph.D. Hong Kong University of Science and Technology, HK.

Equipment: Litone LBS 1 Light Sheet Imaging System

Practical session C: Single molecule localization microscopy

Faculty: Christophe Zimmer, Ph.D. Institut Pasteur, France

Equipment: NBI STORM super-resolution system

Practical session D: High content imaging

Faculty: Musa Mhlanga, Ph.D. University of Cape Town, South Africa

Equipment: Dragonfly high-content imaging system

Practical session E: FIJI Image Processing and Analysis Workshop

Faculty: Teng-Leong Chew, Ph.D. HHMI Janelia Research Campus, USA

Equipment: N/A