



Workshops (participants may attend up to 2 days of workshops):

All workshops will be held in the Delaware Biotechnology Institutes, Bioimaging Center, Rm 117

Oct 12, 2016 (11:15am-5:30pm) – Visualize Cell Structures*

- Explore the difference between fluorescent dyes and fluorescent proteins for labeling cellular structures
- Use time-lapse imaging to examine cellular dynamics
- Use pH sensitive fluorescent dyes to examine internalization

Oct 13, 2016 (9:30am-5:30pm) – Visualize and Quantify Cell Function*

- Oxidative stress
- Cell viability
- Calcium Imaging

We will use the images acquired from the day's experiments to demonstrate and examine image analysis methods using a variety of software programs

Oct 14, 2016 (9:30am-5:30pm) - Immunocytochemistry: Labeling Strategies*

Overview of immunolabeling workflow, ways to improve signal-to- background and photostability. Compare three antibody detection methods:

- Direct
- Secondary
- Signal Amplification

*There is no cost for the seminars or workshops. Workshop registration includes lunch, all materials needed for the laboratory sessions as well as a copy of all lecture slides, protocols, and many additional resources. Travel, accommodation and other incidental expenses relating to the workshop are the responsibility of the attendee.

Registration is required for all workshops, <http://bioimaging.dbi.udel.edu/upcoming-events/>
Participants may select up to 2 days of workshops to attend. Space is limited.