Advanced Topics in Cell and Molecular Biology, March 29-May 9, 2017

Course Director

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General Description

This is an informal colloquium/journal club-style class that introduces important and new areas of cell and molecular biology not covered in the CCIB core course. A different topic will be discussed in each of the twelve classes, guided by an expert instructor of said topic. During each class, the expert instructor will give a 30-45 min lecture on the significance and the recent advances of the topic discussed. The students will then present and discuss one research paper pre-assigned by the expert instructor (a review paper will be provided also as background reading).  The expert instructor and the course director will be present in class to guide presentations and discussions.

Time and Location

Tuesdays and Thursdays, 10 AM- 12 PM.

Pinn Hall, Room 3006 (Cell Biology library).

Assignments for students

1. Read the two assigned papers (one review and one research paper) before class and learn the material;
2. Written assignment for all students (accounts for 50% of the final grade):

**Before** each class meets, email Dr. Lu a **one-page** synopsis of the assigned research paper, including the questions investigated, experimental approaches, major findings and conclusions, and potential pitfalls and caveats.

1. In-class presentation and discussion (accounts for 50% of the final grade):

One student will be selected as the lead presenter for each class, who will prepare ppt or pdf of the paper for presentation, call on other students to present data and moderate discussions; all students are expected to participate in discussions.

**Absence/sick leave must be granted by Dr. Lu in advance; the designated lead presenter should switch with others in the event of a scheduling conflict.**

**Please note-**

An organizational meeting will be held on March 23 at 10:00 AM in the Cell Biology library for Q&A and sign-up of lead presenters for each class. Please contact Dr. Xiaowei Lu if you will not be able to attend.