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### BIOB 547.01A: Experimental Molecular, Cellular, and Chemical Biology

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**EXPERIMENTAL MOLECULAR, CELLULAR  
AND CHEMICAL BIOLOGY  
(BioB 547/CRN#73159; BCH 547/CRN#73335)  
FALL/SPRING TERM 2014/2015**

**COURSE SCHEDULE**

**Fridays, 12:10-1:00 p.m., Stone Hall 217**

Aug 29	Organizational Meeting & Faculty panel on giving talks	Jan 30	Ian Chrisman dis: Lauren Folz
Sep 05	No Meeting (CBSD conflict)	Feb 06	Katy Hornak dis: Haotian Lei
Sep 12	Baisen Zeng dis: Katy Hornak	Feb 13	Moses Leavens dis: Le Zhang
Sep 19	Indu Warriar dis: Ian Chrisman	Feb 20	Joanna Kreitinger dis: Baisen Zeng
Sep 26	TBA dis:	Feb 27	Margaret Elmer-Dixon dis: Joanna Kreitinger
Oct 03	TBA dis:	Mar 06	Britney Cheff dis: Ian Chrisman
Oct 10	Levi McClellan dis: Joanna Kreitinger	Mar 13	Eric Nold dis: Britney Cheff
Oct 17	Momei Zhou dis: Moses Leavens	Mar 20	Dustin Becht dis: Katy Hornak
Oct 24	J.T. VanLeuven dis: Margaret Elmer-Dixon	Mar 27	Jim Reed dis: Levi McClelland
Oct 31	Sundaresh Shankar dis: Britney Cheff	Apr 03	No Meeting (Spring Break)
Nov 07	Ting Wang dis: Eric Nold	Apr 10	Haotian Lei dis: Moses Leavens
Nov 14	Lauren Folz dis: Dustin Becht	Apr 17	Amy Gallagher dis: Harmen Steele
Nov 21	Tarun Gupta dis: Jim Reed	Apr 24	Le Zhang dis: Eric Nold
Nov 28	No Meeting (Thnx. Break)	May 01	TBA dis:
Dec 05	Harmen Steele dis: Amy Gallagher	May 08	TBA dis:
Dec 12	No Meeting (Finals)	May 15	No Meeting (Finals)

## COURSE DESCRIPTION

This course is intended to function as a weekly research presentation forum for CMMB, Biochem/Biophys and other graduate students in laboratories with a molecular, cellular or chemical biological focus. Although one faculty member will serve as the official “instructor”, numerous faculty will participate weekly. Exchanges among graduate students and between faculty/students will provide opportunities for constructive criticism and assistance with planning, interpreting and presenting the students’ current research projects.

It is hoped that this will become a permanent course and a required element for graduate students with a molecular focus, and will have a “galvanizing” effect, bringing together students and faculty with very diverse research interests.

## COURSE EXPECTATIONS

Each participating graduate student will be expected to attend all meetings as well as to present their own work and serve as “discussant” to another students’ presentation at least once per academic year.

1. Present your work in progress. This will involve giving an approximately 40-minute presentation on your own experimental work (leaving 10 minutes for questions or interruptions). Your talk should include the following: 1) background information needed to understand the topic, 2) motivation for doing the experiments (i.e. describe the "hole" in our understanding that you are trying to fill and why it is important), 3) explain the experiments and results, and 4) summarize conclusions, interpretations and future directions. First-year students and/or students who do not yet have an experimental research project may choose to present a published research paper related to their lab's research. This would follow the same format.

2. Serve as discussant. This means you will introduce the speaker, giving an idea of their educational background, which lab they work in and for how long, and the title of their talk. You will also be responsible for calling on people and facilitating the discussion at the end of the talk. **This responsibility includes your asking at least two questions yourself during the discussion, so you must familiarize yourself with the work. During the discussion period after the talk, faculty questions will be suppressed until students have asked several questions.**

3. Participate in the discussion. Ask questions and show some enthusiasm. Fill out an evaluation so that the speaker gets some feedback about how to improve their presentation skills.

4. Sign the class roster so that we have a record of your attendance.

Grading: None. This course is offered on a pass/fail basis.