

Course Announcement - Fall 2013

N254 Molecular Neurobiology (Instructor: Katumi Sumikawa, ksumikaw@uci.edu)

This course is intended for graduate students who are interested in the use of molecular techniques in their research problems. Students will gain hands-on experience with molecular techniques in neuroscience.

The course schedule is flexible. Each student is expected to carry out experiments according to his/her schedule. I will help guide students individually through completing a small research project. Meetings will be scheduled (Friday, 2-4:50pm, 2246MH) as needed.

Course format

1. Students can practice techniques such as genotyping, real-time RT-PCR, gene cloning, western blotting, in situ hybridization, immunohistochemistry, etc..
2. Students propose experiments that address a question in their dissertation research. The use of molecular techniques is required.
3. Students can present their dream projects that are unrelated to their dissertation research (This will be discussed at an organizational meeting.).
4. Students carry out experiments and orally present their research. Presentations must include background information on their research, emphasizing studies at the molecular level.

Organizational meeting

There will be an organizational meeting (~1 hr) on Friday (9/27), 3pm, 2246MH. If possible, bring your experimental plan and present it at the meeting.

Final project presentation

Friday, December 13th, 2pm - , 2246 MH