
NOTE THAT THE COURSE HAS A DUAL LISTING: LS100 AND MCB100

TIMES: 3 TO 5 PM ON THURSDAY (IGNORE THE TIME LISTED IN THE COURSE DESCRIPTION)

NEW CLASSROOM LOCATION: NORTHWEST BUILDING ROOM B127

Fall 2024 projects- titles and descriptions

Project 1: Neurobiology and physiology

Title: Regeneration of heart-brain neural circuits

Associated faculty: Florian Engert (MCB)

Project leaders: Luis Hernandez-Nunez (MCB) and Joana Avrami (MCB)

[Project 1_Fall 24.pdf](#)

Project 2: Neurobiology and Behavior

Title: Comparative study to unravel the mechanisms of habituation.

Associated faculty: Florian Engert (MCB)

Project leader: Clemens Riegler (MCB)

[Project 2_Fall 24.pdf](#)

Project 3: Neurobiology and biochemistry

Characterization of glucagon signaling in Drosophila brain-fat axis.

Associated faculty: Norbert Perrimon (HMS)

Project leader: Muhammad Ahmad (HMS)

[Project 3_Fall 24.pdf](#)

Course goals:

To emulate research experience in an active Harvard research lab.

Course format:

This is a research-based course. Students work in team on a research project and have free access to a state of the art teaching laboratory through out the week. There is also a mandatory weekly meeting with guest speakers and student's data presentation. Projects come from Harvard research laboratories, and a project leader from the selected labs is assigned to each project. The role of project leaders is to guide and advise students.

Typical enrollees:

Any student regardless of their field of concentration is welcome. The course is open to first year, sophomore, junior, and senior students.

When is course typically offered?

The course is offered both semesters and can be taken twice.

Assignments and grading:

Students are asked to write a final paper patterned after a research proposal using data acquired during

the semester.

Sample reading list:

Readings are determined by the nature of the selected research projects.