

Neurobiology of Disease

Course identification: UCSF Neuroscience Program, advanced topics course (NS225)

Objective: This advanced course will provide an in-depth introduction to the mechanisms of some of the major neurological diseases that affect people. It will include lectures on aging, anxiety disorders, Alzheimer's disease, autism, epilepsy, other episodic diseases of the nervous system (e.g., migraine, ataxias, etc...), Huntington's disease and other triplet repeat disorders, sleep disorders, multiple sclerosis, Parkinson's disease, and eye disorders.

Expectations and requirements: Students will be expected to attend all of the lectures, and present at least one research paper to the group. To register and receive credit for the course, neuroscience graduate students must have completed NS201 or have received permission from the course director. Students from other programs must contact the course director and consult their own program director.

Director: Steven Finkbeiner, M.D., Ph.D.

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Tel. (415-734-2508)

Format: The course will be held in the evenings, twice a week from 6–8:30 PM. On the first of the two days, there will be two lectures, one hour each. The first lecture will provide an overview of relevant clinical features of a disease. The second lecture will provide an up-to-date review of our scientific understanding of the mechanisms of that disease and the critical questions that remain to be answered. The two lectures will be separated by a half-hour break.

On the second of the two days, two papers will be presented in a journal-club format. There will be a half-break between the one-hour discussions of each paper. At the beginning of the course, students will sign up for the week that they want to present a paper. The paper needs to be a primary research study that is relevant to the disease that is discussed in the lecture for that week. It can be chosen with the help of the relevant faculty member.

Tentative NS225 Schedule:

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| March 30, April 1 | Ptáček | Channelopathies |
| April 6, 8 | Kenyon/Valcour | Aging |
| April 13, 15 | Edwards/Kreitzer | Parkinson's Disease |
| April 20, 22 | Finkbeiner/Geschwind | Huntington's Disease |

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| April 27, 29 | Mucke | AD/FTD |
| May 4, 6 | Tecott | Anxiety |
| May 11, 13 | Rubenstein | Autism |
| May 18, 20 | Fu/Ptáček | Sleep/Sleep Disorders |
| May 26, 27 | Hauser | Multiple Sclerosis |
| June 1, 3 | Baraban/Lowenstein | Epilepsy |
| June 8, 10 | Gould/LaVail | Eye Disorders |

Location: The lectures will be held on Mission Bay campus, at the Gladstone building (1650 Owens St.), in conference 107A/B on the first floor of the building.

Directions:

From San Francisco Downtown/Civic Center:

Take 8th Street south from Market Street.
 Turn left on Brannan Street.
 Turn right on 7th Street.
 Turn left on 16th Street.
 Go one block and turn left on Owens Street.
 The Gladstone building is on the left (west) side of Owens Street.
 The UCSF Mission Bay Willam J. Rutter Center parking garage is across Owens Street from the Gladstone building.

From the South Bay/San Francisco Airport:

From 101 or 280 Freeway North:

Take the 280 freeway toward Downtown San Francisco.
 Exit 280 at Mariposa Street and turn Right.
 Turn Left at Third Street.
 Go two blocks to 16th Street .
 Turn left at 16th Street and go two blocks to Owens Street.
 Turn right at Owens Street.
 Gladstone is the second building on the left.
 Park in the UCSF garage on the right-across from the Gladstone building.

From the East Bay/Bay Bridge:

After crossing the Bay Bridge, exit at 9th Street/Civic Center.
 Turn left on 8th Street at the bottom of the exit ramp.
 Turn left on Brannan Street.
 Turn right on 7th Street.
 Turn left on 16th Street.

Go one block and turn left on Owens Street.

The Gladstone building is on the left (west) side of Owens Street.

The UCSF Mission Bay Willam J. Rutter Center parking garage is across Owens Street from the Gladstone building.

Returning to East Bay via Bay Bridge:

Exit the parking garage by turning left (south) on Owens Street.

Turn right on 16th Street.

Turn right on 7th Street.

Turn right on Bryant Street and follow the signs to the 80/Bay Bridge freeway entrance.

NOTE: Due to seismic retrofitting on the Bay Bridge ramps, please check signage for updates or go to the CalTrans web site for more information: www.dot.ca.gov

From the North Bay/Golden Gate Bridge:

After crossing the Golden Gate Bridge, drive east on 101 (Doyle Drive) towards downtown San Francisco.

Exit at Marina Boulevard.

Follow Marina Boulevard past Fort Mason.

Turn left on Bay Street.

Turn right on Embarcadero Street.

After passing under the Bay Bridge, Embarcadero Street will become King Street.

Turn left on 3rd Street just past SBC Baseball Park.

Cross the 3rd Street (Lefty O'Doul) Bridge and continue south on 3rd Street.

Turn right on 16th Street.

Turn right on Owens Street (2nd available right turn after 3rd Street).

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