

## 2018-19 Academic Year, Fall Semester

### Neurobiology of Brain Disorders

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**Prerequisites:** Students must have taken/are currently taking Cellular and Molecular Neurobiology (V80.0210001) or an equivalent course. Exceptions will be determined by the instructor.

**Schedule:** All classes will be held in Room 760, Meyer Hall from 12:00-1:50.

**Textbook:** There is no textbook for this course. The lectures will be based on the primary literature and readings will be assigned for each lecture.

**Grading:** There will be a mid-term exam and final exam. The mid-term will count for 40% and the final exam will count for 60%.

#### Syllabus:

Lecture #	Date	Lecture Topic
1	09/04/18	Behavioral Measures in Mice and Basics of Synaptic Plasticity
2	09/11/18	Developmental Disorders: Autism
3	09/18/18	Developmental Disorders: Fragile X Syndrome
4	09/25/18	Developmental Disorders: Tuberous Sclerosis
5	10/02/18	Developmental Disorders: Rett Syndrome
	10/09/18	Legislative Day – no class (classes meet according to a Monday schedule)
	10/16/18	Mid-term Exam

6	10/23/18	Developmental Disorders: Angelman Syndrome
7	10/30/18	Use of Human Genetics and Stem Cells to Model Brain Disorders
8	11/06/18	Schizophrenia
9	11/13/18	Down Syndrome
10	11/20/18	Alzheimer's Disease and Frontotemporal Dementia
11	11/27/18	Parkinson's Disease (Lecture by Kristen D'Elia)
12	12/04/18	Drug Addiction
13	12/11/18	Review
	12/18/18	Final Exam (12:00-1:50 pm; room TBD)