SCHEDULE for ADVANCED NEUROBIOLOGY 2 (01:146:447) Spring 2022

Mon/ Wed 7:30-8:50 PM

Module	Date	Lecturer	Topic
1		Grumet	**CNS Development, Stem cells and Disease**
1	1/19	Grumet	Course Introduction & Intro to NSC
1	1/24	Grumet	Early Development & Neural Cells
1	1/26	Grumet	CNS & Neuronal Development
1	1/31	Grumet	Neural stem cells, Lineage & iPS
1	2/2	Grumet	Immunological Basis of Neural Disorders
1	2/7	Grumet	Cancer Stem Cells
1	2/9	Grumet	Intracellular Transport Mechanisms in Normal Neurons and Disease
1	2/14	Grumet	ALS is a Neurodegenerative Disease
1	2/16	Grumet	Effects of Zika and Review for Exam
1	2/21	Grumet	Module 1 **Exam**
2		Young	**CNS Injury and Therapies**
2	2/23	Young	Introduction to brain and spinal cord injury research
2	2/28	Young	Regeneration of the brain and spinal cord
2	3/2	Young	Brain injury –trauma, stroke, and cardiac arrest
2	3/7	Young	Neonatal Hypoxic-ischemia, mononuclear cell, and exosome therapy
2	3/9	Young	Down Syndrome, Neurogenesis, and Lithium therapy
	3/12		**SPRING BREAK March 12-20**
2	3/21	Young	Mononuclear cell transplants & exercise therapy for chronic complete SCI
2	3/23	Young	Mononuclear cell infusion & exosome therapy to stimulate neurogenesis
2	3/28	Young	The future of brain and spinal cord injury research
2	3/30	Young	Clinical Trials
2	4/4	Young	Module 2 **Exam**
3		Abraira	**Pleasure, pain, smell and everything in between: how stimuli encode the world around us.**
3	4/6	Abraira	Skin is a social organ
3	4/11	Abraira	Hot peppers, cool mint and the art of a good meal
3	4/13	Abraira	The Itchy and Scratchy Show
3	4/18	Abraira	Smell of victory: how our sense of smell shapes our perceptions
3	4/20	Abraira	Pain and Emotion
3	4/25	Abraira	The Neurobiology of Caress (functions and disfunctions)
3	4/27	Abraira	Review of Module 2
3	5/2	Alder	Neurotrophins in regeneration and plasticity
3	TBD		Module 3 Final **Exam**