

COURSE DESCRIPTION

Lectures will focus on current theories on the neurobiology of emotion. Student led seminars will focus on the evaluation of empirical studies relevant to the key topics of the course.

PREREQUISITES: PSYC 205, 271 and 272, or equivalent.

There is **no** required text for the course.

A

DATE	LECTURE TOPIC
Fri. Jan. 30	Lecture 4 - AGGRESSION

DATE/ Presenter	Readers	STUDENT PRESENTATIONS – AGGRESSION
Tues. Feb. 3		Schlüter et al. (2013) The Impact of Dopamine on Aggression: An [¹⁸F]-FDOPA PET Study in Healthy Males. The Journal of Neuroscience, 33(43): 16889-16896.
		Crockett et al. (2013) Serotonin Modulates Striatal Responses to Fairness and Retaliation in Humans. The Journal of Neuroscience, 33(8):3505-3513.

Fri. Feb. 6

Takahashi et al. (2010) **Neurons in the Dorsal Raphé Nucleus and Escalation of Aggression in Mice**

DATE	LECTURE TOPIC
Tues. Feb. 10	Lecture 5 – GUT-BRAIN AXIS AND EMOTION

DATE/ Presenter	Readers	STUDENT PRESENTATIONS – GUT-BRAIN AXIS AND EMOTION
		<p>Heijtz et al. (2011) Normal gut microbiota modulates brain development and behavior. Proc Natl Acad Sci U S A.; 108(7): 3047–3052.</p>
		<p>Bravo et al. (2011) Ingestion of Lactobacillus strain regulates emotional behavior and central GABA receptor expression in a mouse via the vagus nerve. Proc Natl Acad Sci U S A: 108(38):16050-5.</p>
READING WEEK		

DATE	LECTURE TOPIC
Tues. Mar. 10	Lecture 7 – MIRROR NEURONS AND EMPATHY

DATE/ Presenter	Readers	STUDENT PRESENTATIONS – NEUROBIOLOGY OF EMPATHY
--------------------	---------	--

Fri. Mar. 13

DATE	LECTURE TOPIC
Fri. Mar. 20	Lecture 8 – EMOTION REGULATION; MEDITATION AND THE BRAIN

DATE/ Presenter	Readers	STUDENT PRESENTATIONS – EMOTION REGULATION AND THE BRAIN
Tues. Mar. 24		Erk et al. (2010) Acute and Sustained Effects of Cognitive Emotion Regulation in Major Depression The Journal of Neuroscience, 24 November 2010, 30(47): 15726-15734.
		Schweizer et al. (2013) Training the Emotional Brain: Improving Affective Control through Emotional Working Memory Training The Journal of Neuroscience, 33(12): 5301-5311.
Fri. Mar. 27		Zeidan et al. (2011) Brain Mechanisms Supporting the Modulation of Pain by Mindfulness Meditation. The Journal of Neuroscience, 31(14):5540-5548.
		Lutz et al. (2008) Regulation of the neural circuitry of emotion by compassion meditation: effects of meditative expertise.

Tues. Mar. 31		Weng et al. (2013) Compassion Training Alters Altruism and Neural Responses to Suffering. Psychological Science, 24(7): 1171-1180.