

# Translational Neuroscience 2019

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## **Course description**

The Translational Neuroscience Course is a multidisciplinary course that focuses in understanding the neurological diseases from basic and clinical approaches. We will explore different brain disorders including neurodegenerative diseases and psychiatric-behavioral disorders. During each session, a basic and a clinical experts in one of the disorders will partner to introduce the general concepts of the neuropathology, clinical signs, diagnosis, therapeutic strategies, and current research directions. The main goal of the course is to understand the interdependent roles of basic and clinical research in the common mission of improving neurological diseases, highlighting their interconnection and their dual feedback to translate the results from bench to bedside. The course is open to graduate and medical students, postdoctoral fellows and residents.

## **Meets**

Summer semester. Mondays from 12.00 to 1.30 pm. MMS 7.037.

1.5 hour sessions (45 min basic, 45 min clinical).

## **Evaluation / course requirements**

Students are expected to read publications assigned by the speakers in advance. These publications will be related to the topic and the research the presenter will cover. In addition, the students will need to write a one-page-long research proposal related to their own research. The goal of this assignment is to make the students aware about the potential translational component of their current research project. Students will be evaluated by attendance (25%), participation during the seminars (25%), and the written proposal (50%).

## **Syllabus**

<b>Date</b>	<b>Topic/Title</b>	<b>Basic research speaker</b>	<b>Clinical research speaker</b>
May-20	Addiction	Dr. Jin Yoon	Dr. Michael Weaver
May 27	Cancelled (Memorial day)	-	-
June-3	Bipolar disorder	Dr. Gabriel Fries	Dr. Joao de Quevedo
June-11 (Tue)	Aneurysm	Dr. Zhen Xu	Dr. Spiros Blackburn
June-17	Neurooncological diseases	Dr. Balveen Kaur	Dr. Jay-Jiguang Zhu
June-24	Schizophrenia	Dr. Consuelo Walss-Bass	Dr. Sudhakar Selvaraj
July-1	Depression	Dr. Giselli Scaini	Dr. Jair Soares
July-8	Huntington's disease	Dr. Andrey Tsvetkov	Dr. Erin Furr-Stimming
July-15	Stroke	Dr. Venugopal Venna	Dr. Bharti Manwani
July-22	Multiple Sclerosis	Dr. John Lincoln	Dr. William Lindsey
July-29	Alzheimer's disease	Dr. Rodrigo Morales	Dr. Paul Schulz
August-5	Meningitis	Dr. Tatiana Barichello	Dr. Rodrigo Hasbun
August-12	Parkinson's disease	Dr. Claudio Soto	Dr. Mya Schiess