

**IMPORTANT:** This syllabus form should be submitted to OAA ([gsbs\\_academic\\_affairs@uth.tmc.edu](mailto:gsbs_academic_affairs@uth.tmc.edu)) a week before the start of each semester.

**NOTE to STUDENTS:** If you need any accommodations related to attending/enrolling in this course, please contact one of the Graduate School's 504 Coordinators, Cheryl Spitzenberger or Natalie Sirisaengtaksin. We ask that you notify GSBS in advance (preferably at least 3 days before the start of the semester) so we can make appropriate arrangements.

<p>Term and Year: <b>Summer 2022</b></p> <p>Course Number and Course Title: <b>GS14 1071: Translational Neuroscience</b></p> <p>Credit Hours: <b>1</b></p> <p><b>Meeting Location:</b> N/A</p> <p><b>Building/Room#:</b> N/A</p> <p><b>WebEx/Zoom Link:</b> <a href="https://uthealth.webex.com/meet/rodrigo.morale_sloyola">https://uthealth.webex.com/meet/rodrigo.morale_sloyola</a></p>	<p><b>Program Required Course: Yes</b></p> <p>Approval Code: <b>No</b></p> <p>Audit Permitted: <b>No</b></p> <p>Classes Begin: <b>05/09/22</b></p> <p>Classes End: <b>08/08/22</b></p> <p>Final Exam Week:</p>						
<p><b>Class Meeting Schedule</b></p>							
<table border="1"> <thead> <tr> <th data-bbox="110 959 808 999">Day</th> <th data-bbox="808 959 1495 999">Time</th> </tr> </thead> <tbody> <tr> <td data-bbox="110 999 808 1039">Mondays</td> <td data-bbox="808 999 1495 1039">10:00 – 11:30 am</td> </tr> <tr> <td data-bbox="110 1039 808 1079"></td> <td data-bbox="808 1039 1495 1079"></td> </tr> </tbody> </table>		Day	Time	Mondays	10:00 – 11:30 am		
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Mondays	10:00 – 11:30 am						
<p><b>Course Director:</b></p> <p>Name &amp; Title: <b>Rodrigo Morales, PhD</b></p> <p>Title: <b>Associate Professor</b></p> <p>Department: <b>Neurology</b></p> <p>Institution: <b>UTH</b></p> <p>Email Address: <a href="mailto:Rodrigo.MoralesLoyola@uth.tmc.edu">Rodrigo.MoralesLoyola@uth.tmc.edu</a></p> <p>Contact Number: <b>713-500-7442</b></p> <p><b>Course Co-Director:</b></p> <p>Name &amp; Title: <b>Jun Li PhD</b></p> <p>Title: <b>Associate Professor</b></p> <p>Department: <b>Neurology</b></p> <p>Institution: <b>UTH</b></p> <p>Email Address: <a href="mailto:Jun.Li.3@uth.tmc.edu">Jun.Li.3@uth.tmc.edu</a></p> <p>Contact Number: <b>713-500-5143</b></p> <p><b>Office Hours: 8:00 am-5:00 pm</b></p>	<p><b>Basic/Clinical Research Speakers:</b></p> <ol style="list-style-type: none"> <li><b>Giselli Scaini, PharmD, PhD</b> UTH/ <a href="mailto:Giselli.Scaini@uth.tmc.edu">Giselli.Scaini@uth.tmc.edu</a></li> <li><b>Jair Soares, MD, PhD</b> UTH/ <a href="mailto:Jair.Soares@uth.tmc.edu">Jair.Soares@uth.tmc.edu</a></li> <li><b>Zhen Xu, PhD</b> UTH/ <a href="mailto:Zhen.Xu@uth.tmc.edu">Zhen.Xu@uth.tmc.edu</a></li> <li><b>Spiros Blackburn, MD</b> UTH/ <a href="mailto:Spiros.Blackburn@uth.tmc.edu">Spiros.Blackburn@uth.tmc.edu</a></li> <li><b>Balveen Kaur, PhD</b> UTH/ <a href="mailto:Balveen.Kaur@uth.tmc.edu">Balveen.Kaur@uth.tmc.edu</a></li> <li><b>Jay-Jiguang Zhu, MD, PhD</b> UTH/ <a href="mailto:Jay.Jiguang.Zhu@uth.tmc.edu">Jay.Jiguang.Zhu@uth.tmc.edu</a></li> <li><b>Mohammad Shahnawaz, PhD</b> UTH/ <a href="mailto:Mohammand.Shahnawaz@uth.tmc.edu">Mohammand.Shahnawaz@uth.tmc.edu</a></li> <li><b>Mya Schiess, MD</b> UTH/ <a href="mailto:Mya.Schiess@uth.tmc.edu">Mya.Schiess@uth.tmc.edu</a></li> </ol>						

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**Textbook/Supplemental Reading Materials (if any)**

- N/A
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**Course Objective/s:**

At the completion of this course, students will be able to understand general concepts associated with several diseases affecting the central and peripheral nervous system from basic and clinical perspectives. This will allow them to assess these diseases from different angles. Students will also be able to formulate projects with mechanistic and translational value.

**Specific Learning Objectives:**

1. Understand basic and clinical concepts of diseases affecting the nervous system.
2. Formulate questions involving clinical and molecular importance.
3. Write, and submit for evaluation, an NIH-style specific aims page in any area discussed during the lectures.

**Student responsibilities and expectations:**

Students are expected to read publications assigned by the speakers (if any) in advance. These publications will be related to the topic and the research the presenters will cover. The students will need to write a one- page-long research proposal related to their own current research, or from any topic discussed during this course. The goal of this assignment is to make the students aware about the potential translational component of their current research projects. Attendees will also be requested to provide a one paragraph comment after each session (no later than the Wednesday following the session).

Grading System: **Pass/Fail**

**Student Assessment and Grading Criteria : (May include the following:)**

Percentage	Description
Homework ( 10 %)	Timely submission of comments
Quiz ( %)	
Presentation ( %)	
Midterm Exams ( %)	
Final Exam ( 50 %)	Written proposal
Workshop or Breakout-Session ( %)	
Participation and/or Attendance ( 40 %)	Participation 20% Attendance 20%

**CLASS SCHEDULE**

<b>Day/Date</b>	<b>Duration (Hour (s) taught by the lecturer)</b>	<b>Lecture Topic</b>	<b>Lecturer/s</b>
<b>May 9</b>	<b>1.5 hrs.</b>	<b>Depression</b>	<b>Dr. Giselli Scaini Dr. Jai Soares</b>
<b>May 16</b>	<b>1.5 hrs</b>	<b>Aneurism</b>	<b>Dr. Zhen Xu Dr. Spirios Blackburn</b>
<b>May 23</b>	<b>1.5 hrs.</b>	<b>Neurooncological Diseases</b>	<b>Dr. Balveen Kau Dr. Jay-Jiguang Zhu</b>
<b>June 6</b>	<b>1.5 hrs</b>	<b>Parkinson's Disease</b>	<b>Dr. Mohammad Shahnawaz Dr. Mya Schiess</b>
<b>June 13</b>	<b>1.5 hrs.</b>	<b>Bipolar Disorder</b>	<b>Dr. Gabriel Fries Dr. Joao de Quevedo</b>
<b>June 27</b>	<b>1.5 hrs</b>	<b>Multiple Sclerosis</b>	<b>Dr. John Lincoln Dr. William Lindsey</b>
<b>July 11</b>	<b>1.5 hrs.</b>	<b>Stroke</b>	<b>Dr. Venugopal Venna Dr. Bharti Manwani</b>
<b>July 18</b>	<b>1.5 hrs</b>	<b>Meningitis</b>	<b>Dr. Vijayasree Giridharan Dr. Rodrigo Hasbun</b>
<b>July 25</b>	<b>1.5 hrs.</b>	<b>Alzheimer's Disease</b>	<b>Dr. Rodrigo Morales Dr. Paul Schulz</b>
<b>August 1</b>	<b>1.5 hrs</b>	<b>Addiction</b>	<b>Dr. Jin Yoon Dr. Michael Weaver</b>
<b>August 8</b>	<b>1.5 hrs.</b>	<b>Huntington's Disease</b>	<b>Dr. Andrey Tsvetkov Dr. Erin Furr-Stimming</b>