

**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 2023</b></p> <p>Course Number and Course Title:<br/><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><br/><b>Jun Li</b><br/><a href="https://uthealth.webex.com/meet/jun.li.3">https://uthealth.webex.com/meet/jun.li.3</a><br/><b>Joo Eun Jung</b><br/><a href="https://uthealth.webex.com/meet/joo.eun.jung">https://uthealth.webex.com/meet/joo.eun.jung</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>05/08/23</b></p> <p>Classes End: <b>08/07/23</b></p> <p>Final Exam Week:</p>  |      |         |   |  |
|---|---|------|---------|---|--|
| <p><b>Class Meeting Schedule</b></p>  |   |      |         |   |  |
| <table border="1"> <thead> <tr> <th data-bbox="110 1073 808 1115">Day</th> <th data-bbox="808 1073 1503 1115">Time</th> </tr> </thead> <tbody> <tr> <td data-bbox="110 1115 808 1150">Mondays</td> <td data-bbox="808 1115 1503 1150">10:00 – 11:30 am (except for June 12<sup>th</sup> 3 -4:30pm)</td> </tr> </tbody> </table>   | Day   | Time | Mondays | 10:00 – 11:30 am (except for June 12 <sup>th</sup> 3 -4:30pm) |  |
| Day   | Time  |      |         |   |  |
| Mondays   | 10:00 – 11:30 am (except for June 12 <sup>th</sup> 3 -4:30pm)   |      |         |   |  |
| <p><b>Course 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>Course Co-Director:</b></p> <p>Name &amp; Title: <b>Joo Eun Jung, PhD</b></p> <p>Title: <b>Assistant Professor</b></p> <p>Department: <b>Neurology</b></p> <p>Institution: <b>UTH</b></p> <p>Email Address: <a href="mailto:joo.eun.jung@uth.tmc.edu">joo.eun.jung@uth.tmc.edu</a></p> | <p><b>Basic/Clinical Research Speakers:</b></p> <ol style="list-style-type: none"> <li><b>Giselli Scaini, PharmD, PhD</b><br/>UTH/ <a href="mailto:Giselli.Scaini@uth.tmc.edu">Giselli.Scaini@uth.tmc.edu</a></li> <li><b>Jair Soares, MD, PhD</b><br/>UTH/ <a href="mailto:Jair.Soares@uth.tmc.edu">Jair.Soares@uth.tmc.edu</a></li> <li><b>Zhen Xu, PhD</b><br/>UTH/ <a href="mailto:Zhen.Xu@uth.tmc.edu">Zhen.Xu@uth.tmc.edu</a></li> <li><b>Peng R. Chen MD</b><br/>UTH/ <a href="mailto:peng.R.chen@uth.tmc.edu">peng.R.chen@uth.tmc.edu</a></li> <li><b>Hui-Wen Lo, PhD</b><br/>UTH/ <a href="mailto:hui-wen.Lo@uth.tmc.edu">hui-wen.Lo@uth.tmc.edu</a></li> <li><b>Jay-Jiguang Zhu, MD, PhD</b><br/>UTH/ <a href="mailto:Jay.Jiguang.Zhu@uth.tmc.edu">Jay.Jiguang.Zhu@uth.tmc.edu</a></li> <li><b>Mohammad Shahnawaz, PhD</b><br/>UTH/ <a href="mailto:Mohammand.Shahnawaz@uth.tmc.edu">Mohammand.Shahnawaz@uth.tmc.edu</a></li> </ol> |      |         |   |  |

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Office Hours: 8:00 am-5:00 pm

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22. **Erin Furr-Stimming, MD**  
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Textbook/Supplemental Reading Materials (if any)

- N/A

**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       |
| Final Exam ( 50 %)                      | Written proposal                    |
| Participation and/or Attendance ( 40 %) | Participation 20%<br>Attendance 20% |

**CLASS SCHEDULE**

| <b>Day/Date</b>             | <b>Duration<br/>(Hour (s)<br/>taught by<br/>the<br/>lecturer)</b> | <b>Lecture Topic</b>             | <b>Lecturer/s</b>                                       |
|-----------------------------|---|----------------------------------|---|
| <b>May 8</b>                | <b>1.5 hrs.</b>   | <b>Depression</b>                | <b>Dr. Giselli Scaini<br/>Dr. Jai Soares</b>            |
| <b>May 15</b>               | <b>1.5 hrs</b>  | <b>Aneurism</b>                  | <b>Dr. Zhen Xu<br/>Dr. Peng R. Chen</b>                 |
| <b>May 22</b>               | <b>1.5 hrs.</b>   | <b>Meningitis</b>                | <b>Dr. Vijayasree Giridharan<br/>Dr. Rodrigo Hasbun</b> |
| <b>June 5</b>               | <b>1.5 hrs</b>  | <b>Addiction</b>                 | <b>Dr. Jin Yoon<br/>Dr. Michael Weaver</b>              |
| <b>June 12<br/>3-4:30pm</b> | <b>1.5 hrs.</b>   | <b>Bipolar Disorder</b>          | <b>Dr. Gabriel Fries<br/>Dr. Rodrigo Machado-Vieira</b> |
| <b>June 26</b>              | <b>1.5 hrs</b>  | <b>Multiple Sclerosis</b>        | <b>Dr. John Lincoln<br/>Dr. William Lindsey</b>         |
| <b>July 10</b>              | <b>1.5 hrs.</b>   | <b>Stroke</b>                    | <b>Dr. Venugopal Venna<br/>Dr. Bharti Manwani</b>       |
| <b>July 17</b>              | <b>1.5 hrs</b>  | <b>Neurooncological Diseases</b> | <b>Dr. Balveen Kau<br/>Dr. Jay-Jiguang Zhu</b>          |
| <b>July 24</b>              | <b>1.5 hrs.</b>   | <b>Alzheimer's Disease</b>       | <b>Dr. Rodrigo Morales<br/>Dr. Paul Schulz</b>          |
| <b>July 31</b>              | <b>1.5 hrs</b>  | <b>Parkinson's Disease</b>       | <b>Dr. Mohammad Shahnawaz<br/>Dr. Mya Schiess</b>       |
| <b>August 7</b>             | <b>1.5 hrs.</b>   | <b>Huntington's Disease</b>      | <b>Dr. Andrey Tsvetkov<br/>Dr. Erin Furr-Stimming</b>   |