**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, Dr. 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.

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| Term and Year: **Summer 2025**  Course Number and Course Title:  **GS14 1071: Translational Neuroscience**  Credit Hours: **1**    Meeting Location**: In person**  Building/Room#: **MSB 3.301**  WebEx/Zoom Link: **In person only** | | Program Required Course: **Yes**  Approval Code: **­ No**  Audit Permitted:  **No**  Classes Begin: **05/19/25**  Classes End: **08/11/25**  Final Exam Week: |
| **Class Meeting Schedule**   |  |  | | --- | --- | | **Day** | **Time** | | **Mondays** | **10:00 – 11:30 am** | | | |
| **Course Director:**  Name & Title: **Jun Li PhD**  Title: **Professor**  Department: **Neurology**  Institution: **UTH**  Email Address: [**Jun.Li.3@uth.tmc.edu**](mailto:Jun.Li.3@uth.tmc.edu)  Contact Number: **713-500-5143**  **Course Co-Director:**  Name & Title: **Joo Eun Jung PhD**  Title: **Assistant Professor**  Department: **Neurology**  Institution: **UTH**  Email Address: [**Joo.Eun.Jung@uth.tmc.edu**](mailto:Joo.Eun.Jung@uth.tmc.edu)  Contact Number: **713-500-7501**  Office Hours: **8:00 am-5:00 pm** | | **Basic/Clinical Research Speakers:**  1. **Zhen Xu, PhD**  UTH/ [Zhen.Xu@uth.tmc.edu](mailto:UTH/Zhen.Xu@uth.tmc.edu)  2. **Peng R. Chen MD**  UTH/ [peng.R.chen@uth.tmc.edu](mailto:peng.R.chen@uth.tmc.edu)  3. **Giselli Scaini, PharmD, PhD**  UTH/ [Giselli.Scaini@uth.tmc.edu](mailto:Giselli.Scaini@uth.tmc.edu)    4. **Jair Soares, MD, PhD**  UTH/  [Jair.Soares@uth.tmc.edu](mailto:%20Jair.Soares@uth.tmc.edu)  5. **Vijayasree Giridharan, PhD**  [UTH/ vijayasree.v.giridharan@uth.tmc.edu](mailto:UTH/%20vijayasree.v.giridharan@uth.tmc.edu)  6. **Rodrigo Hasbun, MD, MPH**  UTH/ [Rodrigo.Hasbun@uth.tmc.edu](mailto:Rodrigo.Hasbun@uth.tmc.edu)  7. **Jin Yoon, PhD**  UTH/ [Jin.Ho.Yoon@uth.tmc.edu](mailto:Jin.Ho.Yoon@uth.tmc.edu)  8. **Michael Weaver, MD, DFASAM**  UTH/ [Michael.F.Weaver@uth.tmc.edu](mailto:Michael.F.Weaver@uth.tmc.edu)  9. **Gabriel Fries, PhD**  UTH/ [Gabriel.R.Fries@uth.tmc.edu](mailto:Gabriel.R.Fries@uth.tmc.edu)  10. **Machado-Vieira, Rodrigo, MD, PhD**  UTH/ rodrigo.machadovieira@uth.tmc.edu  11. **John Lincoln, MD, PhD**  UTH/ [John.A.Lincoln@uth.tmc.edu](mailto:John.A.Lincoln@uth.tmc.edu)  12. **William Lindsey, MD**  UTH/ [John.W.Lindsey@uth.tmc.edu](mailto:John.W.Lindsey@uth.tmc.edu)  13. **Venugopal Venna, PhD**  UTH/ [Venugopal.R.Venna@uth.tmc.edu](mailto:Venugopal.R.Venna@uth.tmc.edu)  14. **Bharti Manwani, MD, PhD**  UTH/ [Bharti.Manwani@uth.tmc.edu](mailto:Bharti.Manwani@uth.tmc.edu)  15. **Hui-Wen Lo, PhD**  UTH/ [hui-wen. Lo@uth.tmc.edu](mailto:hui-wen.%20Lo@uth.tmc.edu)    16. **Jay-Jiguang Zhu, MD, PhD**  UTH/ [Jay.Jiguang.Zhu@uth.tmc.edu](mailto:Jay.Jiguang.Zhu@uth.tmc.edu)  17. **Rodrigo Morales, PhD**  UTH/ [Rodrigo.MoralesLoyola@uth.tmc.edu](mailto:Rodrigo.MoralesLoyola@uth.tmc.edu)  18. **Paul Schulz, MD**  UTH/ [Paul.E.Schulz@uth.tmc.edu](mailto:Paul.E.Schulz@uth.tmc.edu)  19. **Mohammad Shahnawaz, PhD**  UTH/ [Mohammand.Shahnawaz@uth.tmc.edu](mailto:Mohammand.Shahnawaz@uth.tmc.edu)  20. **Mya Schiess, MD**  UTH/ [Mya.Schiess@uth.tmc.edu](mailto:Mya.Schiess@uth.tmc.edu)  21. **Andrey Tsvetkov, PhD**  UTH/ [Andrey.S.Tsvetkov@uth.tmc.edu](mailto:Andrey.S.Tsvetkov@uth.tmc.edu)  22. **Erin Furr-Stimming, MD**  UTH/ [Erin.E.Furr@uth.tmc.edu](mailto:Erin.E.Furr@uth.tmc.edu) |
| **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**: | | |
| **Percentage** | **Description** | |
| Homework **(20 %)** | **Timely submission of comments** | |
| Final Exam (**50 %)** | **Written proposal** | |
| Attendance (**30 %**) | **Attendance** | |

**CLASS SCHEDULE**

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| **Day/Date** | **Duration (Hour (s) taught by the lecturer)** | **Lecture Topic** | **Lecturer/s** |
| **5/19/2025** | **1.5 hrs.** | **Aneurysm** | **Dr. Peng R. Chen**  **Dr. Zhen Xu** |
| **5/26/2025** | **1.5 hrs.** | **Depression** | **Dr. Jair Soares**  **Dr. Giselli Scaini** |
| **6/2/2025** | **1.5 hrs.** | **Meningitis** | **Dr. Vijayasree Giridharan**  **Dr. Rodrigo Hasbun** |
| **6/9/2025** | **1.5 hrs** | **Multiple Sclerosis** | **Dr. John Lincoln**  **Dr. William Lindsey** |
| **6/16/2025** | **1.5hrs** | **Bipolar Disorder** | **Dr. Rodrigo Machado-Vieira**  **Dr. Gabriel Fries** |
| **7/7/2025** | **1.5 hrs** | **Addiction** | **Dr. Michael Weaver**  **Dr. Jin Yoon** |
| **7/14/2025** | **1.5 hrs.** | **Stroke** | **Dr. Bharti Manwani**  **Dr. Venugopal Venna** |
| **7/21/2025** | **1.5 hrs** | **Neurooncological Diseases** | **Dr. Jay-Jiguang Zhu**  **Dr. Hui-Wen Lo** |
| **7/22/2025** | **1.5 hrs.** | **Alzheimer’s Disease** | **Dr. Paul Schulz**  **Dr. Rodrigo Morales** |
| **7/28/2025** | **1.5 hrs** | **Parkinson’s Disease** | **Dr. Mya Schiess**  **Dr. Mohammad Shahnawaz** |
| **8/4/2025** | **1.5 hrs.** | **Huntington’s Disease** | **Dr. Erin Furr-Stimming**  **Dr. Andrey Tsvetkov** |