IMPORTANT: This syllabus form should be submitted to OAA (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.

Term and Year: **Summer 2023** Course Number and Course Title: **GS14 1071: Translational Neuroscience** Credit Hours: **1** **Meeting Location:** N/A **Building/Room#:** N/A **WebEx/Zoom Link:** **Jun Li** https://uthealth.webex.com/meet/jun.li.3 **Joo Eun Jung** https://uthealth.webex.com/meet/joo.eun.jung	**Program Required Course: Yes** Approval Code: **No** Audit Permitted: **No** Classes Begin: **05/08/23** Classes End: **08/07/23** Final Exam Week:

Class Meeting Schedule

Day	Time
Mondays	**10:00 – 11:30 am (exept for June 12th 3 -4:30pm)**

Course Director:

Name & Title: **Jun Li, PhD**

Title: **Associate Professor**

Department: **Neurology**

Institution: **UTH**

Email Address: **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**

Basic/Clinical Research Speakers:

1. **Giselli Scaini, PharmD, PhD**
   UTH/ Giselli.Scaini@uth.tmc.edu
2. **Jair Soares, MD, PhD**
   UTH/ Jair.Soares@uth.tmc.edu
3. **Zhen Xu, PhD**
   UTH/ Zhen.Xu@uth.tmc.edu
4. **Peng R. Chen MD**
   UTH/ peng.R.chen@uth.tmc.edu
5. **Hui-Wen Lo, PhD**
   UTH/ hui-wen. Lo@uth.tmc.edu
6. **Jay-Jiguang Zhu, MD, PhD**
   UTH/ Jay.Jiguang.Zhu@uth.tmc.edu
7. **Mohammad Shahnawaz, PhD**
   UTH/ Mohammand.Shahnawaz@uth.tmc.edu

Contact Number: 7135007501 **Office Hours: 8:00 am-5:00 pm**	8. **Mya Schiess, MD** UTH/ Mya.Schiess@uth.tmc.edu 9. **Vijayasree Giridharan, PhD** UTH/vijayasree.v.giridharan@uth.tmc.edu 10. **John Lincoln, MD,PhD** UTH/ John.A.Lincoln@uth.tmc.edu 11. **William Lindsey, MD** UTH/ John.W.Lindsey@uth.tmc.edu 12. **Venugopal Venna, PhD** UTH/ Venugopal.R.Venna@uth.tmc.edu 13. **Bharti Manwani, MD, PhD** UTH/ Bharti.Manwani@uth.tmc.edu 14. **Gabriel Fries, PhD** UTH/ Gabriel.R.Fries@uth.tmc.edu **15. Machado-Vieira, Rodrigo** UTH/ rodrigo.machadovieira@uth.tmc.edu 16. **Rodrigo Hasbun, MD, MPH** UTH/ Rodrigo.Hasbun@uth.tmc.edu 17. **Rodrigo Morales, PhD** UTH/ Rodrigo.MoralesLoyola@uth.tmc.edu 18. **Paul Schulz, MD** UTH/ Paul.E.Schulz@uth.tmc.edu 19. **Jin Yoon, PhD** UTH/ Jin.Ho.Yoon@uth.tmc.edu 20. **Michael Weaver, MD, DFASAM** UTH/ Michael.F.Weaver@uth.tmc.edu 21. **Andrey Tsvetkov, PhD** UTH/ Andrey.S.Tsvetkov@uth.tmc.edu 22. **Erin Furr-Stimming, MD** UTH/ 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 : *(May include the following:)*

Percentage	Description
Homework **(10 %)**	**Timely submission of comments**
Final Exam (**50 %)**	**Written proposal**
Participation and/or Attendance (**40 %**)	**Participation 20%** **Attendance 20%**

CLASS SCHEDULE

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

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