

UNIVERSITY OF FLORIDA
COLLEGE OF MEDICINE SYLLABUS
NEUROSCIENCE

GMS, section, Hot Topics in Neuroscience **(1)**

Semester: Fall

Delivery Format: On-campus, in-person

Course Hours: Thurs, 10-11am

Instructor Name: Jeremy McIntyre,

Room Number: L1-101

Phone Number: McIntyre 352-294-8266

Email Address: jmcin@ufl.edu

Office Hours: TBD

Graduate Assistant: none

Preferred Course Communications: email

Prerequisites none

Purpose and Outcome: To expose students to the breadth of neuroscience research and develop deeper understanding through the analysis of the primary literature.

Course Overview: A weekly journal club that discusses relevant papers to research seminars presented in the department of Neuroscience. The goal of journal club is to give participants a greater understanding of the research to be presented and to promote an appreciation for literature review. Topics covered will come from the breadth of research related to neuroscience providing a broad selection of topics. Students will meet to present the research, discuss results and interpretations as well as develop questions to discuss with the presenting author at seminar or in small group with the speaker. Each enrolled student will lead or co-lead at least one presentation during the semester and will be expected to contribute to discussion of papers. Seminars from the last 2 semesters are listed as examples of potential topics for discussion.

Open enrollment

Relation to Program Outcomes: This course is designed to expose students to journal club format, presentation of published literature, and thoughtful critique delivery.

Course Objectives and/or Goals:

By the end of each semester, students will be able to:

Present primary literature

Review and critique literature

Instructional Methods: Classes will largely be in person, seminar and discussion based.

What is expected of you?

You are expected to actively engage in the course throughout the semester. This means, 1) Attending Seminar, 2) Attending lunch/discussion with speaker, 3) Attending and participating in journal club discussions.

Description of Course Content:

Topical Outline/Course Schedule

Schedule: (see <http://cst.ufl.edu/seminars.html> for an up-to-date list of speakers and seminar titles)

Date	Speaker	Seminar Title
Week 1 (8/23)		
Week 2 (8/30)		
Week 3 (9/6)		
Week 3 (9/13)		
Week 4 (9/20)		
Week 5 (9/27)		
Week 6 (10/4)		
Week 7 (10/11)		
Week 8 (10/18)		
Week 9 (10/25)		
Week 10 (11/1)		
Week 11 (11/8)		
Week 12 (11/15)		
Week 13 (11/22)		

Week 14 (11/29)		
Week 15 (12/6)		

Course Materials and Technology: Journal articles as assigned

For technical support for this class, please contact the UF Help Desk at:

- Learning-support@ufl.edu
- (352) 392-HELP - select option 2
- [UF eLearning](#)

Academic Requirements and Grading:

Assignments: A minimum of 1 presentation

Grading:

Requirement	Due date	Points or % of final grade (% must sum to 100%)
Participation		100%

Point system used (i.e., how do course points translate into letter grades).

Example:

More information on UF grading policy may be found at:

<http://gradcatalog.ufl.edu/content.php?catoid=10&navoid=2020#grades>

Exam Policy: No exams

Policy Related to Required Class Attendance: You are expected to attend each lecture and actively participate in the student projects.

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Excused absences must be consistent with university policies in the Graduate Catalog (<http://gradcatalog.ufl.edu/content.php?catoid=10&navoid=2020#attendance>). Additional information can be found here:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Student Expectations, Roles, and Opportunities for Input:

Expectations Regarding Course Behavior

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

Communication Guidelines: <http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf>

Academic Integrity:

Students are expected to act in accordance with the University of Florida policy on academic integrity. As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge:

“We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.”

You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied:

“On my honor, I have neither given nor received unauthorized aid in doing this assignment.”

It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For additional information regarding Academic Integrity, please see Student Conduct and Honor Code or the Graduate Student Website for additional details:

<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>

<http://gradschool.ufl.edu/students/introduction.html>

Please remember cheating, lying, misrepresentation, or plagiarism in any form is unacceptable and inexcusable behavior.

Online Faculty Course Evaluation Process:

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at

<https://gatorevals.aa.ufl.edu/students/> . Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

Policy Related to Guests Attending Class

Support Services:

Accommodations for Students with Disabilities:

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center by visiting <https://disability.ufl.edu/students/get-started/> . It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester. The College is committed to providing reasonable accommodations to assist students in their coursework.

Counseling and Student Health:

Students sometimes experience stress from academic expectations and/or personal and interpersonal issues that may interfere with their academic performance. If you find yourself facing issues that have the potential to or are already negatively affecting your coursework, you are encouraged to talk with an instructor and/or seek help through University resources available to you.

- The Counseling and Wellness Center 352-392-1575 offers a variety of support services such as psychological assessment and intervention and assistance for math and test

anxiety. Visit their web site for more information: <http://www.counseling.ufl.edu>.
On line and in person assistance is available.

- You Matter We Care website: <http://www.umatter.ufl.edu/>. If you are feeling overwhelmed or stressed, you can reach out for help through the You Matter We Care website, which is staffed by Dean of Students and Counseling Center personnel.
- The Student Health Care Center at UF Health is a satellite clinic of the main Student Health Care Center located on Fletcher Drive on campus. Student Health at UF Health offers a variety of clinical services. The clinic is located on the second floor of the Dental Tower in the Health Science Center. For more information, contact the clinic at 392-0627 or check out the web site at: <https://shcc.ufl.edu/>
- UF Health Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32698, ufhealth.org/emergency-room-trauma-center.
- University Police Department: Visit police.ufl.edu/ or call 352-392-1111 (or 9-1-1 for emergencies).
- Crisis intervention is always available 24/7 from:

Alachua County Crisis Center:

(352) 264-6789

<http://www.alachuacounty.us/DEPTS/CSS/CRISISCENTER/Pages/CrisisCenter.aspx>

Do not wait until you reach a crisis to come in and talk with us. We have helped many students through stressful situations impacting their academic performance. You are not alone so do not be afraid to ask for assistance.

Academic Resources

E-learning technical support: Contact the UF Computing Help Desk at 352-392-4357 or via e-mail at helpdesk@ufl.edu.

Career Connections Center: Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services career.ufl.edu/.

Library Support: cms.uflib.ufl.edu/ ask various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center: Broward Hall 352-392-2010 or to make an appointment 352 392-6420. General study skills and tutoring. teachingcenter.ufl.edu/

Writing Studio: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers. writing.ufl.edu/writing-studio/

Student Complaints On-Campus: sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/

On-Line Students Complaints: distance.ufl.edu/student-complaint-process

Date	Speaker	Seminar Title
Sept 3	Erich Jarvis, PhD HHMI Investigator The Rockefeller University Website: https://jarvislab.net	Topic: Neurobiology of Vocal Learning
Sept 10	Mary Torregrossa, PhD Associate Professor Psychiatry University of Pittsburgh Website: https://www.braininstitute.pitt.edu/mary-torregrossa-phd	Topic: Drug addiction and memory
Sept 17	Nathan Smith, PhD Principal Investigator Children's National Hospital George Washington University Website: https://childrensnational.org/research-and-education/center-for-neuroscience-research/research-laboratories/nathan-anthony-smith-laboratory	Topic: Neuron-glia Interactions and cognition
Sept 24	Lakiesha Williams, PhD Associate Professor J. Crayton Pruitt Family Department of Biomedical Engineering University of Florida Website: https://www.bme.ufl.edu/dept-member/williams_lakiesha/	Topic: Traumatic Brain Injury
Oct 1	Greg Carr, PhD Assistant Professor of Pharmacology and Molecular Sciences	Topic: Gene and environmental interactions in psychiatric disorders

	<p>Pharmacology and Molecular Sciences The Johns Hopkins University</p> <p>Website: https://www.hopkinsmedicine.org/pharmacology_molecular_sciences/faculty/bios/carr.html</p>	
Oct 8	<p>Rosanna Olsen, PhD Scientist, Rotman Research Institute Assistant Professor, University of Toronto</p> <p>Website: https://www.olsenmemorylab.com/</p>	Topic: Perception, Cognition and Cognitive Neuroscience
Oct 15	<p>Carlos Aizenman, PhD Professor Department of Neuroscience Brown University</p> <p>Website: https://blogs.brown.edu/aizenmanlab/</p>	Topic: Development of neural circuits and the role of external environment
Oct 22 11AM*	<p>Gina Poe, PhD Professor Department of Integrative Biology and Physiology University of California, Los Angeles</p> <p>Website: https://www.ibp.ucla.edu/faculty/gina-poe/</p>	Topic: Sleep to change your mind
Oct 29	SfN Day at UF	
Nov 5	<p>Farida Sohrabji, PhD Professor and Interim Chair Dept. Of Neuroscience and Experimental Therapeutics Director, Women's Health in Neuroscience Program</p>	Topic: Stroke, Blood Brain Barrier and Women's Health

	<p>Texas A&M University</p> <p>Website: https://medicine.tamu.edu/faculty/sohrabji.html</p>	
Nov 12	<p>Huda Akil, PhD Gardner C Quarten Distinguished University Professor of Neurosciences, Department of Psychiatry Co-Director, Molecular & Behavioral Neuroscience Institute University of Michigan</p> <p>Website: http://www.mbni.med.umich.edu/mbni/faculty/akil/akil.html</p>	<p>Topic: Neurobiology of emotion, anxiety, depression and substance use</p>
Nov 19	<p>Fernanda De Felice, PhD Associate Professor, Biochemistry and Neurosciences, Federal University of Rio de Janeiro, Brazil</p> <p>Website: https://www.alzheimerlabs.com</p>	<p>Topic: Cellular and Molecular connections between Alzheimer's Disease and Type 2 Diabetes</p>
Nov 26	<p>Thanksgiving</p>	<p>No seminar</p>
Dec 3	<p>Catrina Robinson, PhD Assistant Professor Department of Neurology, Medical University of South Carolina</p> <p>Website: https://medicine.musc.edu/departments/neurology/research/robinson-lab/team</p>	<p>Topic: Metabolic disorders and their role in normal and pathological brain aging.</p>
Dec 10	<p>Michael Burton, PhD Assistant Professor Behavioral and Brain Sciences, University of Texas at Dallas</p>	<p>Topic: Neuroimmunology and Chronic Pain</p>

	Website: https://labs.utdallas.edu/niblabb/	
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Spring 2021
GMS 7794 - NEUROSCIENCE SEMINAR

Co-Sponsored by the Department of Neuroscience and McKnight Brain Institute

Course Directors: Drew Maurer, Ph.D., Joe Abisambra, Ph.D., and Erica Dale, Ph.D.

Thursdays at 12pm EST
via Zoom

Date	Speaker	Seminar Title
Jan 14	Huda Akil, Ph.D. Co-Director and Research Professor, MBNI Gardner C. Quarten Distinguished University Professor of Neurosciences Department of Psychiatry	"Stress and the Brain: Vulnerability, Resilience and Mood Disorders"
Jan 21	Ronaldo Ichiyama, Ph.D. Associate Professor School of Biomedical Sciences University of Leeds	"Neuromodulation of spinal circuits – Neurorehabilitation and recovery of function following severe spinal cord injuries"
Jan 28	Elizabeth Head, Ph.D. Professor of Pathology University of California, Irvine	"Alzheimer's Disease In Down Syndrome Is There a Link Between Cerebrovascular Pathology And Neuroinflammation?"
Feb 4	Rune Berg, Ph.D. Associate Professor Department of Neuroscience University of Copenhagen	"A new theory for the generation of rhythmic movements"
Feb 11	John Gensel, Ph.D. Assistant Professor of Physiology University of Kentucky	"Sex, age, and inflammation... the story of spinal cord injury"
Feb 18	Andy Shih, Ph.D. Associate Professor Center for Developmental Biology and Regenerative Medicine Seattle Children's Research Institute Depts. of Pediatrics and Bioengineering, University of Washington	"Dissecting the Control of Blood Flow through Brain Capillaries"
Feb 25	Greg Quirk, Ph.D. Professor Department of Psychiatry University of Puerto Rico	"Approach-avoidance conflicts: Decision-making decisions..."

Mar 4	Alejandra Alonso, Ph.D. Professor of Biochemistry The City University of New York	TBA
Mar 11	Lea Grinberg, M.D., Ph.D. Associate Professor Memory and Aging Center Weill Institute for Neurosciences University of California San Francisco	TBA
Mar 18	Karen Duff, Ph.D. Professor of Pathology and Cell Biology Columbia University	“Mechanisms of pathogenesis in the tauopathies”
Mar 25	Duke Han, Ph.D. Professor of Family Medicine Keck School of Medicine University of Southern California	“Financial Decision Making in Older Age: Neuropsychology, Neuroimaging, and Policy Considerations”
Apr 1	Roy Hamilton, MD, MS, FAAN, FANA Associate Professor Depts. of Neurology and Physical Medicine and Rehabilitation Perelman School of Medicine University of Pennsylvania	TBA
Apr 8	Sunil Gandhi, Ph.D. Associate Professor, Neurobiology and Behavior School of Biological Sciences Associate Director, Center for the Neurobiology of Learning and Memory University of California Irvine	TBA
Apr 15	Andre Fenton, Ph.D. Professor Center for Neural Science Neuroscience Institute, NYU Langone Medical Center New York University	TBA
Apr 22	Wendy Noble, Ph.D. Reader, Basic and Clinical Neuroscience King's College London	TBA