

FSU Biomed

Florida State University College of Medicine

www.med.fsu.edu/BioSci



Student News



On Oct. 14th, **Nicole Newell** of the **Arbeitman Lab** successfully defended her dissertation on how neurons make the right connections: the role of Dprs and DIPs in sexually dimorphic behaviors



Caroline Strong, a senior graduate student in the **Kabbaj Lab**, published a manuscript in eNeuro titled: "Sex and individual differences in alcohol intake are associated with differences in ketamine self-administration behaviors and nucleus accumbens dendritic spine density".



Jordan Logue, Devin Hagarty, Kristin Schoepfer, and Caroline Strong, all of the **Kabbaj Lab** presented posters at the 49th Annual Society for Neuroscience meeting in Chicago.



Upcoming Events

November 1

Seminar Series: Yiming Zheng

November 2

Home Football Game

November 4-5

Bake Sale for Skylar

November 6

Seminar Series: Scott Wilson

November 13

Seminar Series: David Williams

November 20

Seminar Series: Yuna Son

November 27-29

University Closed/Holiday

Reminder: If you travel, your travel request **MUST** be fully approved (not just submitted) **BEFORE** your trip starts. This means you need to plan ahead! In most cases, you should submit your travel request **AT LEAST** 2 weeks (preferably longer) before the start of your trip.

Bake sale for Skylar Meckes

Monday, Nov. 4-Tuesday, Nov. 5 | Noon-1 p.m.
College of Medicine Atrium



A bake sale will be held in the atrium at noon both Monday and Tuesday of next week (11/4 – 11/5) to raise money for Skylar Meckes, the daughter of Assistant Professor David Meckes. Skylar has been diagnosed with a tumor in her brainstem and all funds raised will benefit the Meckes family. You can also visit Skylar's GoFundMe page at the link below.

<https://www.gofundme.com/f/skylar-meckes>

Faculty News



Dr. Mohamed Kabbaj was the key note speaker for the annual meeting of the Brazilian Society of Neuroscience and Behavior (Oct 1-4, 2019) at Campos de Jordao, Brazil. Dr. Kabbaj gave a seminar on Sex differences in ketamine's antidepressant effects. His seminar was attended by close to 1000 scientists. At the same event, Dr. Kabbaj also participated in a symposium session on novel antidepressant drugs and delivered a seminar on the safety of ketamine for the treatment of depression.

Additionally, Dr. Kabbaj accepted the opportunity to be handling editor for Scientific Reports, which is an online open access, scientific journal published by Nature.



Dr. Florian Duclot with the **Kabbaj Lab** presented a poster at the 49th Annual Society for Neuroscience Meeting. Additionally, **Dr. Hussam Jourdi**, a previous postdoc with the Kabbaj Lab gave a talk regarding work previously done while in the lab.



Dr. Stephen Beesley was invited to speak at the University of Munich on Oct. 25th, as well as Kings College London on Oct. 29th, to discuss the recent work of the **Kumar Lab** regarding the NMDA receptor GluN3a subunit and its relation to temporal lobe epilepsy. The abstract is below.

Temporal Lobe Epilepsy (TLE) is the most common form epilepsy and is often intractable to antiepileptic medication. A hallmark of TLE is the characteristic loss of layer 3 neurons in the medial entorhinal area (MEA) that underlies seizure development. We sought to build upon previously generated electrophysiological data, which suggested that GluN3A-containing triheteromeric NMDA receptors are highly permeable to Ca²⁺ ions and prevalent in layer 3 of the MEA, potentially underlying cell loss. Further work suggested that GluN3A-containing NMDA receptors could be antagonized by the amino acid, D-serine. Therefore, we tested the hypothesis that D-serine could prevent cell loss in the MEA of the epileptic rat. Here, I talk about the new and exciting data that we have generated from our recent studies and show that d-serine could be of potential therapeutic use in preventing neuronal loss in TLE.

Publications

Drs. Gregg Stanwood and Devon Graham, along with Drs. Samantha Goldfarb and Heather Flynn recently published a review for SAGE journals titled “Developmental opioid exposures: Neurobiological underpinnings, behavioral impacts, and policy implications”. The abstract is below.

The devastating impact of opioid abuse and dependence on the individual, family, and society are well known but extremely difficult to combat. During pregnancy, opioid drugs and withdrawal also affect fetal brain development and newborn neural functions, in addition to maternal effects. Neonatal Abstinence Syndrome/Neonatal Opioid Withdrawal Syndrome (NAS/NOWS) rates have drastically increased in the US in the past decade. Solutions to this complex problem must be multi-faceted, which would be greatly enhanced by a translational, multidisciplinary understanding. Therefore, this mini-review incorporates biomedical, clinical, and policy aspects of opioid use during pregnancy. We review the known roles for endogenous opioids in mediating circuit formation and function in the developing brain, discuss how exogenous opioid drug use and addiction impact these processes in animal models and humans, and discuss the implications of these data on public policy. We suggest that some current policy initiatives produce unintended harm on both mothers and their children and delineate recommendations for how legislation could better contribute to addiction recovery and increase neural resilience in affected children.

REPORT MISTREATMENT, DISCRIMINATION, OR BIAS

The Council on Diversity and Inclusion (CODI), in partnership with the Division of Student Affairs, offers confidential options for reporting mistreatment, discrimination, bias, and related concerns. This service is available to ALL members of the College of Medicine community, including students in all programs, residents and fellows, as well as faculty and staff at the Main Campus and all Regional Campuses.

WHY REPORT: FOR STUDENTS, FACULTY, AND STAFF

- Because you deserve a workplace and learning environment free of discrimination or mistreatment
- Targeted interventions can be developed if patterns arise in reports
- CODI and Student Affairs are here to support you, and can advocate for you if needed

TO REPORT AN INCIDENT:

STUDENTS



bit.ly/ReportMistreatment

Available to students in clinical programs (MD, PA, MS);
PhD students use faculty & staff option

Providing name is optional

Delivered confidentially to Associate Dean of Student
Affairs, Dr. Robert Campbell

Reports treated on "need to know" basis. Not shared
unless necessary to achieve an appropriate outcome.

FACULTY & STAFF

Also available to all students as an alternative option



med.fsu.edu/councildiversityinclusion/reporting

Available to all faculty and staff and PhD students

Providing name is optional

Delivered confidentially to a Subcommittee of CODI
(see members at med.fsu.edu/councildiversityinclusion/reporting)

Reports treated on "need to know" basis. Not shared
unless necessary to achieve an appropriate outcome.



FLORIDA STATE UNIVERSITY
COLLEGE OF MEDICINE
COUNCIL ON DIVERSITY & INCLUSION

HOW THE TWO REPORTING SYSTEMS INTERSECT

Reports received by CODI from faculty, staff or PhD students will be not be shared with Student Affairs. Reports received by CODI from non-PhD students will be shared with Student Affairs though CODI will remain involved in follow-up. If the reporter requests not sharing with Student Affairs, the CODI Subcommittee will work with the reporter to identify a different institutional official for follow-up, while protecting confidentiality if requested. Reports received by Student Affairs from students may be shared with the CODI Subcommittee for support if appropriate, unless the reporter requests not sharing with the Subcommittee. Two separate, secure, anonymized databases will be maintained to provide anonymized reports annually to COM leadership.

Questions? Contact any member of Student Affairs or CODI.

**Please note that reports of sexual harassment or assault must be forwarded to the FSU Title IX Director. However, again, CODI and/or Student Affairs can support you through the process if desired.*

COLD



FLU

**A COLD AND THE FLU (INFLUENZA) ARE TWO DIFFERENT ILLNESSES.
MAKE SURE YOU KNOW THE DIFFERENCE!**

Low or none	FEVER	High
Sometimes	HEADACHE	Very common
Stuffy, runny	NOSE	Stuffy, runny
Very common	SNEEZING	Sometimes
Mild, hacking	COUGH	Severe
Slight	ACHES/PAINS	Severe
Mild	FATIGUE	Can last for several weeks
Sore	THROAT	Sometimes sore
Normal, may feel sluggish	ENERGY	Extreme exhaustion
Symptoms can last 7-10 days	DURATION	Symptoms can last several weeks



TREATMENT OPTIONS TO HELP PREVENT COLD SYMPTOMS

- Over-the-counter cold medications, such as decongestants and cough medicine
- Over-the-counter antihistamines
- Rest
- Increased fluid intake
- Pain relievers for headache or fever
- Warm, salt water for sore throat
- Petroleum jelly for raw chapped skin around the nose and lips
- Warm steam for congestion



If you have a fever of 101°F or higher for more than 24 hours, seek treatment.



PREVENTION

- Wash your hands often and keep your hands away from your eyes, nose, and mouth
- Be sure to get your annual flu vaccination



UNIVERSITY HEALTH SERVICES
HEALTH & WELLNESS CENTER at FSU

Special Events



OUR Community OUR HEALTH

**Catalyzing Leadership and Community-Engagement
for Maternal Child Health Equity**

Guest Speaker
Dr. Camara Jones

Wednesday, Nov. 06 • 5:30-7pm
FSU Research Foundation Building A, Room 120
2000 Levy Avenue, Tallahassee, FL 32310

Part of the UF-FSU Clinical and Translational Science Award

As part of the UF-FSU Clinical and Translational Science Award, the FSU Community-Engagement and Rural Health Core team is hosting the "Our Community Our Health" discussion on Wednesday, November 6 from 5:30-7 p.m. at the FSU Research Foundation Building A, Room 120. It will be available via livestream as well.

The first portion of the meeting will be a catalytic conversation with local community folks sharing experiences and stimulating change and leadership toward health equity.

This forum is for everyone.

After the initial local meeting for 30 minutes, they will begin a national webinar at 6 p.m. with guest moderator and anchor panelist, Dr. Camara Jones, past-president of the American Public Health Association and Senior Fellow at the Satcher Health Leadership Institute, Morehouse School of Medicine. Dr. Jones is currently a fellow at the Radcliffe Institute for Advanced Study at Harvard University. See the names of the entire panel below.

This hour-long panel discussion will include examples of community-academic partnerships and a Q&A session about how we can continue to take action to improve maternal and child health equity.

Space is limited so please RSVP to Lisa.Gardner@med.fsu.edu by November 1.

EXPLORE THE *Possibilities*

Florida State University is heavily vested in the growth and success of collaborative research approaches to promote and advance equity for individuals and communities.

The Equity Research Corner is a collaboration of research centers that address equity issues related to:

Health: Focusing on the biopsychosocial risk and resiliency factors to advance the health equity of individuals and communities through research and advocacy.

Social: Evaluating and understanding the social, institutional, and environmental barriers of vulnerable populations through research and policy work in pursuit of social justice and equity.

Education: Addressing the systemic and structural barriers across the spectrum of development and within systems of learning to promote and enhance equity in education.

**Find out more about how to become involved
with our efforts by attending our event!**

EQUITY RESEARCH CORNER OPEN HOUSE

November 7

10 a.m. to 1:30 p.m.

(Opening remarks from Dr. Gary Ostrander at 10:30)

2010 Levy Avenue, Research Building B, Tallahassee, FL 32310

Hosted by the following Equity focused research centers

The Center for Translational
Behavioral Science

The Center for Indigenous Nursing
Research for Health Equity

The Florida Center for Reading Research

The Learning Systems Institute

The Risk for Anxiety and Depression Lab

Health Equity Research Institute

Institute for Justice Research
and Development

Florida Center for Interactive Media

Questions? ctbs@fsu.edu or 850.644.2334



FLORIDA STATE UNIVERSITY
COLLEGE OF MEDICINE

GRAND ROUNDS



Clinically Assessing and Counseling Older Drivers

**November 14, 4 pm Durell
Peaden Auditorium**

Motor vehicle injuries are the leading cause of injury-related deaths among 65- to 74-year-olds and are the second leading cause (after falls) among 75- to 84-year-olds. As the most mobile generation to date, older adults expect to remain mobile in the community as they age, ideally with a driving "life expectancy" that keeps up with their lifespan. In order to support older adults' access to healthcare, social interaction, and nutrition through independent mobility, interprofessional clinical team members need office-based tools to screen for medical and functional issues which may affect driving ability, assess the risk of driving impairment, intervene to optimize treatment and functional ability, refer appropriately for specialized care and driving rehabilitation, and provide counseling about planning for transitioning from driving. We can help healthcare practitioners prevent motor vehicle crashes and injury to older adults.

Presented by



Alice Pomidor, MD, MPH, AGSF
Professor, Department of Geriatrics
Florida State University College of Medicine

*Small reception to follow in the atrium. Please bring ID if partaking in beer or wine.



2ND ANNUAL RESEARCH LECTURE SERIES

2019–2020

ENGAGE, INVEST, RESPOND

DEEP TAILORING OF DIGITAL HEALTH: NOVEL CONTENT AND TECH FEATURES

DR. KENNETH RESNICOW, PROFESSOR, HEALTH BEHAVIOR AND HEALTH
EDUCATION, UNIVERSITY OF MICHIGAN



THURSDAY, NOVEMBER 21

3:00–4:00 P.M.

FSU COLLEGE OF MEDICINE

COLLEGE OF MEDICINE AUDITORIUM

REGISTRATION | Online at: [fsu.qualtrics.com/jfe/form/
SV_8kK82TcQx47E3EF](https://fsu.qualtrics.com/jfe/form/SV_8kK82TcQx47E3EF)

Free for all attendees. CEUs available.

Pre-registration is required for attendance.

RECEPTION | Held after the lecture from 4:00–5:00 p.m. Light
appetizers and beverages will be served.

AUDIENCE | Faculty, Students, Research Scientists, Policy-Makers,
Health and Behavioral Health Care Providers, and
Community Stakeholders.

BIOGRAPHY | Dr. Kenneth Resnicow, University of Michigan, Irwin M. Rosenstock Collegiate Professor of Public Health in the Health Behavior and Health Education Department is a senior leader at the Center for Health Communications Research (CHCR). Dr. Resnicow's expertise is in design and evaluation of health promotion interventions and motivational interviewing (MI), and in conceptualizing and designing culturally sensitive community-based interventions for health promotion in substance abuse prevention and harm reduction; and MI for chronic disease prevention. His research interests include the design and evaluation of health promotion programs for special populations, particularly substance abuse prevention, cardiovascular and cancer prevention interventions for African-Americans; understanding the relationship between ethnicity and health behaviors; and school-based health promotion programs. He has worked extensively with numerous universities, research and practitioner groups worldwide as well as health nonprofit organizations (e.g., American Cancer Society, American Dietetic Association, Academy of Pediatrics) and government agencies, including the National Institute of Health and CDC.

ABOUT THE LECTURE SERIES | The lectures by university researchers will feature engaging and interactive lectures and workshops based around current themes of research crucial for contemporary social problems, foster interdisciplinary collaborations by providing a venue for researchers to meet and discuss their work and connect the key community stakeholders with FSU faculty; and distinguished researchers from other universities.

FOR MORE INFO, PLEASE CONTACT: Ellen Piekalkiewicz, Director, Center for the Study and Promotion of Communities, Families & Children
epiekalkiewicz@fsu.edu | 850.644.3497 | csw.fsu.edu/cfc-center

Save the Date

Wednesday, December 4th

Seminar Series: Lucia Notterpek

Wednesday, December 11th

Seminar Series: Samantha Pavlock

Wednesday, December 18th

Seminar Series: Ling Qi

Tuesday, December 10th

COM Annual Holiday Celebration

Monday, December 23rd –
Wednesday, January 1st

University Closed/ Winter Break

Do you have news you wish to share in the next Biomed Newsletter? If so, please send it to Ryan Teston at: ryan.teston@med.fsu.edu