

PHYSIO NEWS

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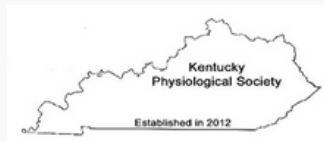
PHYSIOLOGY STUDENTS PRESENT POSTER AT NEUROSCIENCE DAY



Pictured left to right: Jakiyah Lee & Amber Ballard

Physiology MS students, **Jakiyah Lee** and **Amber Ballard** presented posters at Neuroscience Day on April 11, 2024. Neuroscience Day is a campus event that is organized by the Louisville Chapter of the Society for Neuroscience.

The Louisville Chapter of the Society for Neuroscience, established in 1990, is comprised of over 200 neuroscientists from the University of Louisville and other regional universities, colleges, research centers, and institutes. The goal of the chapter is to promote research and understanding of normal functions and diseases of the nervous system. For more information, please visit: <https://louisville.edu/org/sfn/neuroscience-day-2024>



DATE CHANGED FOR ANNUAL MEETING OF THE KENTUCKY CHAPTER OF THE APS

The 12th Annual Meeting of the Kentucky Chapter of the American Physiological Society will be hosted by the Department of Physiology at the University of Kentucky in Lexington, KY on **Friday, August 2, 2024** from **9:00 a.m.-3:00 p.m.** Additional information will be forthcoming. We encourage all Department faculty and trainees to plan on attending this regional science meeting.



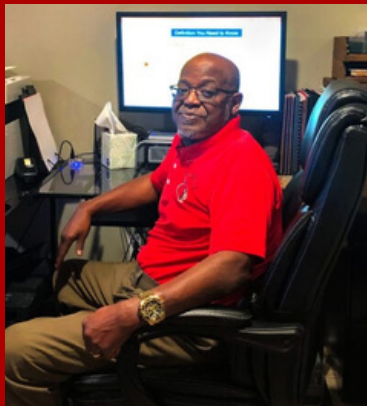
Department of Physiology University of Louisville

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Call us for advice or assistance.

**CHAIRMAN OF THE
DEPARTMENT OF
PHYSIOLOGY,
DR. IRVING JOSHUA**



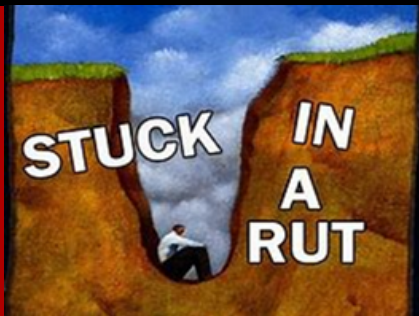
**FRESH PRODUCE
DELIVERED TO CAMPUS**

UofL is launching a new partnership with [Knob Hill Farms](#) to bring weekly deliveries of fresh, organic, seasonal produce to our campuses June 4 – Sept. 17. **Subscribe by May 10** to the Community Supported Agriculture (CSA) program for as little as \$25/week, with pickups available on Belknap and HSC Campuses.

- Belknap: Tuesdays, 4-6 p.m., at a farmstand on Cardinal Blvd. at Third St.
- HSC: Thursdays, 10:30 a.m.-1:30 p.m., at the Gray Street Farmers Market.

Knob Hill is a Black-owned, organic farm in Breckenridge County.

For more information, visit the [website](#). For questions, contact [Keith McKenzie](#), (502) 541-9051



FROM THE CHAIRMAN’S DESK

GET OUT OF THAT RUT!

Have you ever broken your dominant arm and tried brushing your teeth with the other hand? A real pain, right? But that broken bone was a good thing, too, because while your arm was mending, your brain was getting stronger too. It got stronger as you learned to write with your other hand, and eat, and brush your teeth. Whenever we use our brain to make our body do things it’s not used to doing, the brain gets stronger.

The giant spider web of neurons and synapses that fills the amazing three-pound organ inside our skulls gets denser and more complex. And that’s a good thing. The happy news is that you don’t have to break a bone to put your brain to work learning new tasks. It’s simply a matter of getting out of your rut and doing everyday things just a little differently. Here are ten things to try, in addition to brushing your teeth with the “wrong” hand:

- Tie your shoelaces a different way
- Watch a television show that’s broadcast in a foreign language
- Drive to work using a different route
- Reverse the order in which you read the newspaper
- Get dressed in the dark (check your appearance in the light before you go out!)
- Shop at a new grocery store
- Thread your belt through the loops in the opposite direction
- Put your earrings on in reverse order
- Kick a soccer ball with your non-dominant foot
- Walk backwards for one hundred steps

After a while, doing things the new way won’t seem so new — or so awkward — at all. Meaning that your wonderful brain has trained your wonderful body to unfamiliar tasks. Now it’s time to give it more challenges. Like learning to play a musical instrument, counting to 20 in Mandarin Chinese, working the New York Times crossword puzzle, or writing poetry. Your brain muscles will thank you for the exercise as they grow stronger every day.

ARTIFICIAL INTELLIGENCE: HOW DOES IT WORK?

Take time to learn more about some of the fundamental principles underlying artificial intelligence (AI) and explore its diverse applications across the educational landscape with the Delphi Center’s new self-paced, virtual training module. The asynchronous training will also navigate some of the conversations relating to the ethical use of AI, discussing the limitations and considerations associated with this transformative technology. Once you register, you will have access for six months to complete. See the [Generative AI/ChatGPT Workshops website](#) for details and to register.

CONGRATULATIONS TO SPRING GRADUATE, ANNE MACLEOD



Anne Macleod will graduate this month with an MD/PhD in Physiology. She has been mentored by Dr. Susan Galandiuk. Her clinical/research interests include colorectal cancer, tumor associated macrophages, immunotherapy, immune checkpoint protein expression, immunology, cytokines. The title of her dissertation is “Macrophage Polarization and Colorectal Cancer Immune Checkpoint Protein Expression.” Anne plans to return to Glasgow, Scotland to continue her General Surgery training.

SCHOOL OF MEDICINE RESEARCH GRANT FUNDING PROGRAMS

School of Medicine Basic Grant Program

Submission Date: July 1, 2024

One-year grants up to \$25,000.

Purpose: The purpose of the School of Medicine Basic Grant Program is to provide initial support to junior faculty to establish a research program or to established faculty who would like to pursue new areas of investigation. Funds are limited and priority will be given to junior faculty.

Eligibility: Any full-time faculty member of the School of Medicine is eligible to apply. Faculty who have received an SOM Research Committee Basic Grant within the last three years or who have failed to provide a Final Report on any previously funded grants are not eligible. Faculty Career Status I applicants may submit one competitive renewal application for an additional one year of support. For competitive renewal applications, the Final Report detailing progress towards achieving the specific aims during the initial funding period must be provided, in addition to the new research plan. Go to: <https://louisville.edu/medicine/research/funding-opportunities/grants/som/basic>. *Continued on Page 3.*

School of Medicine Bridge Grant Program

Submission Date: July 1, 2024

One-year grants up to \$40,000.

Purpose: The purpose of the School of Medicine Bridge Grant Program is to provide interim support to investigators who are experiencing a temporary gap in funding.

Eligibility: Any full-time faculty member of the School of Medicine is eligible to apply. Faculty who have failed to provide a Final Report on any previously funded SOM Research Committee grant are not eligible. Applications will be entertained only from investigators who were principal investigators on national extramural grants (e.g., NIH, American Heart Association, NSF, VA) within the last two years, are now experiencing a temporary gap in funding and who have submitted an external grant application. Applicants will be considered without regard to academic rank.

Timing: Applications (either original or resubmission) are accepted three times per year, and only one application per cycle per applicant may be submitted. The review process and decision on funding will be completed within two months of receipt of the application.

SUMMER PARKING UPDATE

Beginning May 1 through Aug. 16, blue permit holders may park in the Floyd Street parking garage - orange permitted spaces. You may also park in any resident parking area with the exception of Floyd Street North (1851 S. Floyd St.). Do not park in any non-24 hour reserve parking space until after 5 p.m. The resident parking area by Billy Minardi Hall will be closed for re-paving June 14-21. All vehicles must be removed from this parking area by 4 p.m. on June 14 or the vehicle will be towed at the owner's expense.

For questions, please contact Parking & Transportation Services at 852-7275.

IT'S DERBY TIME!



The 150th running of the Kentucky Derby will take place on **Saturday, May 4th**. Derby coverage will be broadcast on NBC beginning at 2:30 p.m. EST. The Run for the Roses will take place at 6:57 p.m. EST. Go baby, go!



REQUEST FOR SUPPORT FOR THE ANDREW M. ROBERTS, PHD AWARD FOR EXCELLENCE IN PHYSIOLOGY

In memory of Dr. Roberts, his family and the Department of Physiology have established **The Andrew M. Roberts Ph.D. Memorial Award for Excellence in Physiology**. This award is intended to reward academic achievement and to encourage cooperative learning of physiology among dental students. The Award (a plaque and \$350 cash prize) will be presented each year during the Annual School of Dentistry Awards Banquet, to a dental student who has excelled in the area of Physiology and has been most helpful to classmates in learning physiological concepts.

The Award is given in memory of Andrew M. Roberts, a Department of Physiology faculty member for nearly 4 decades and a nationally recognized researcher and educator in the area of physiology. He taught physiological concepts to dental students with distinction for more than 20 years and served as the physiology course director in the Dental School during much of this period.

Donations via check can be made to the "The Andrew M. Roberts Ph.D. Memorial Award for Excellence in Physiology" and mailed to: University of Louisville Foundation, Inc.
c/o PNC Lockbox
PO Box 772050
Chicago, IL 60677-2050

Donations via credit card can be made by following this [link](#) for online giving. *The first award will be given out in the Fall of 2024, so we encourage you to plan your initial gift prior to the end of Summer of 2024.*