

Latest Stories

UAB students to advance research in 7th year of the UAB Summer Research Academy



A platform for undergraduate students to advance their research, the UAB Summer Research Academy (SRA) launched its seventh installment of the program on June 3, 2024. This competitive research program provides summer scholarships for students in the joint health sciences while preparing them for advancement to graduate or medical scientist training programs.

The program started in 2017 with just five neuroscience students. This year's program includes 28 students, each supported by a faculty mentor. Students are sponsored by a department and/or center at UAB. This year's scholarships are generously funded by the UAB Honors College Enrichment Fund, the Comprehensive Neuroscience Center, the Immunology Institute, the Civitan International Research Center, the Center for Addiction and Pain Prevention and Intervention (CAPPI), The O'Neal Comprehensive Cancer Center, the Office of Biomedical Programs, and the Departments of Psychology, Neurobiology, Psychiatry, Genetics, Microbiology, Cell, Developmental and Integrative Biology, and Neurology. [Read More](#)

This neuroscientist is starting seizures in order to stop them



Some 15 million people worldwide have seizures that cannot be controlled by medication. For many of those people, surgery holds the hope of a cure — if doctors can identify the tiny areas of their brains, unique to each patient, that are responsible for triggering the electrical storm of a seizure. But finding those areas, known as the “seizure onset zone,” is an expensive, time-consuming, frustrating process.

Rachel June Smith, Ph.D.,(center) a key recruit in UAB's Neuroengineering and Brain-Computer Interface Initiative, can predict the frequency of stimulation that will push a brain into the chaos of a seizure — potentially saving patients with intractable seizures time, frustration and money. [Read More](#)

UAB receives \$21.4 million from NIH to expand Alzheimer's Disease Research Center



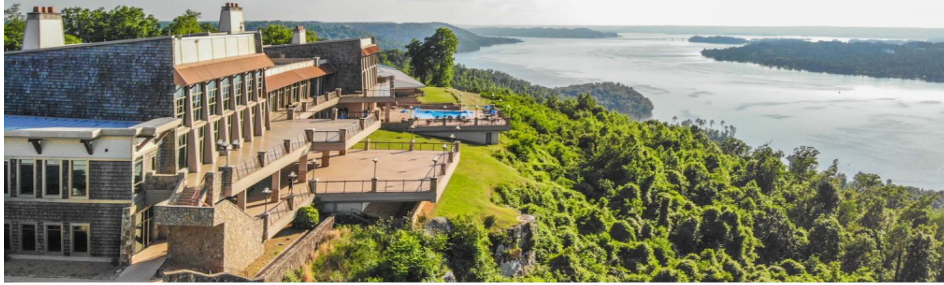
The National Institute on Aging (NIA), part of the National Institutes of Health, has awarded an estimated \$21.4 million five-year grant to the University of Alabama at Birmingham for an Alzheimer's Disease Research Center.

In 2024, the UAB ADRC moved to the new UAB Brain Aging and Memory Hub, which was created to anticipate the increased needs of the Alzheimer's and dementia population in Alabama. The UAB ADRC is the only one in the four-state region of Alabama, Mississippi, Arkansas and Louisiana. [Read More](#)

Save the Dates

CNC Annual Retreat

SAVE THE DATE!



UAB Comprehensive Neuroscience Center
ANNUAL RETREAT

Featured keynote speakers



Dr. Ishmail Abdus-Saboor, PhD

Associate Professor of Biological Sciences
Principal Investigator, Zuckerman Institute
Columbia University
HHMI Freeman Hrabowski Scholar



Dr. Paul Kenny, PhD

Ward-Coleman Professor and Chair,
Nash Family Department of Neuroscience
Icahn Schools of Medicine at Mount Sinai
Director, Drug Discovery Institute at Mount Sinai

UAB THE UNIVERSITY OF
ALABAMA AT BIRMINGHAM
Comprehensive Neuroscience Center

September 5-6, 2024
Lake Guntersville State Park
Lodge and Convention Center

Alabama Summit on Addiction and Pain

SAVE THE DATE

ALABAMA SUMMIT ON ADDICTION AND PAIN

KEYNOTE SPEAKER

SUMMIT DETAILS

SEPTEMBER
19-20, 2024

UAB HILL
STUDENT
CENTER



JEANNE MARRAZZO, MD
DIRECTOR, NIAID



Southeastern Vision Research Conference

SOUTHEASTERN VISION RESEARCH CONFERENCE

Welcome

Welcome to the **Southeastern Vision Research Conference** organized by Vanderbilt University, Vanderbilt University Medical Center, Emory University, and the University of Alabama at Birmingham.

2024 Information:

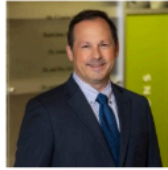
Date: November 11th & 12th

Location: Marriott at Vanderbilt – Nashville, TN

Registration & Abstract Submission Link: <https://redcap.link/SVRC2024>

Marriott Registration - <https://book.passkey.com/e/50784216>

Key Note Speaker:



David J. Calkins, PhD

Vice President for VUMC Research

Vice Chair and Director for Research, Vanderbilt Eye Institute

Director, Vanderbilt Vision Research Center

Denis M. O'Day Professor of Ophthalmology and Visual Sciences

Happening This Month

July 4 at 7- 8:30 p.m.

[Fourth of July Concert](#)

Bartow Arena, Front Entrance Plaza

July 5-10

[Transplant Games of America](#)

July 9-10 at 8 a.m.- 5p.m.

[UAB Biological Data Science Workshop](#)

Hill Student Center, Ballroom B

[Service Learning and Undergraduate Research Expo](#)



Expo dates and events:

July 15: Abstracts are due

July 22-26: Online expo

July 24: In-person Oral

Presentations at Sterne Library

July 25: In-person Poster

Presentations at UAB National

Alumni Society House

Official titles of Seminars will be included in Weekly Updates!

Have an event to share?

Tag the CNC on the UAB Calendar Event or email cnc@uab.edu

UAB News



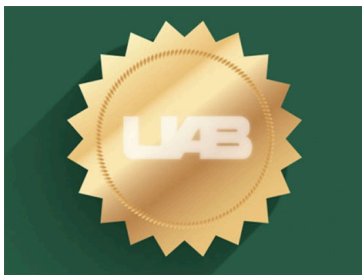
UAB Health System Authority to acquire Ascension St. Vincent's

The transaction will include current Ascension St. Vincent's services, facilities, caregivers and associates, including a robust network of providers serving the region and is expected to be completed in the fall of 2024.



UAB breaks ground on \$190 million Biomedical Research and Psychology Building

The construction of the Biomedical Research and Psychology Building signifies another milestone in UAB's unwavering dedication to creating a transformative impact locally, statewide and globally.



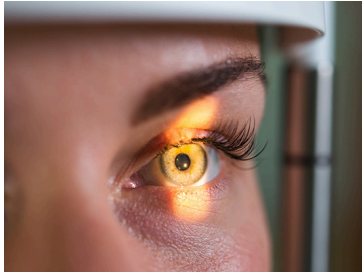
11 faculty elevated to Distinguished, University professorships

The University of Alabama System Board of Trustees awarded the rank of Distinguished Professor to six and the rank of University Professor to five during its April meeting.



How UAB's tele-neurology service is saving lives, time and money across Alabama

Patients at 29 hospitals and free-standing emergency rooms around the state are now being evaluated rapidly for suspected strokes and other conditions by expert UAB neurologists.



Eye disease links potential biomarker to Alzheimer's disease found in the retina

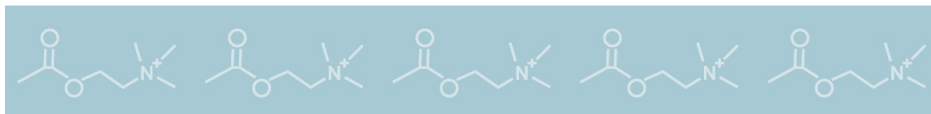
UAB researcher finds that presumed retinal gliosis may serve as a potential biomarker for Alzheimer's disease-related neuroinflammation in the eye.

SfN News

Visit the UAB CNC at booth #37!



**WE'RE
EXHIBITING**
GRADUATE SCHOOL FAIR
October 5-8



More Neuroscience 2024 Updates:

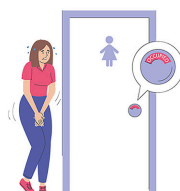
- [Submit Your Late-Breaking Abstracts July 23-August 1](#)
- [Registration and Housing will open for members on July 10 and for nonmembers on July 16](#)
- [View Preliminary Program](#)



Neuroline: Meet the Expert: Erich D. Jarvis

Cultural Influences on the Way to Do and Interpret Our Science

Registration is complimentary for SfN members.



To Pee or Not to Pee? That Is a Question for the Bladder – and the Brain

How do we sense the need to urinate? The basic urge is surprisingly complex and can go

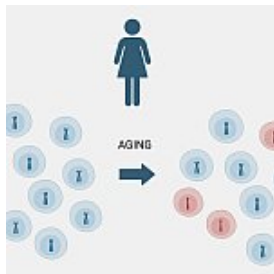
awry as we age.

NIH News



New clinical assessment tool improves dementia care actions in primary care patients

Resource tripled the odds of receiving dementia-related care within 90 days.



Inherited genetic factors may predict the pattern of X chromosome loss in older women

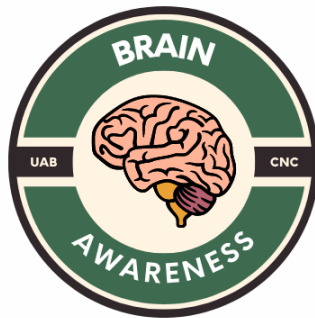
A genomic analysis co-led by NIH suggests that the DNA a woman is born with may influence how her cells respond to chromosomal abnormalities acquired with aging.



NIH-funded intervention did not impact opioid-related overdose death rates over evaluation period

COVID-19 pandemic and increasingly dangerous drug supply among factors that may have contributed to diminished impact of intervention.

Get Involved



Are you a student or CNC member looking to excite your community about Neuroscience research?

We have several outreach opportunities for you to get involved!

To join the CNC Brain Awareness (Outreach) Listserv, Click [Here](#). Complete the registration form and select CNC Brain Awareness (Outreach) Listserv at the bottom.

You can also check <https://www.brainawarenessuab.com/brain-awareness/upcoming-events-volunteer-opportunities> for upcoming events and volunteer opportunities!

Brain Snacks at Iron City Comic Con!



Join us for August Brain Chats!

BRAIN CHATS



ENGAGE IN
CONVERSTATION WITH
NERUOSCIENTISTS
FROM UAB

INFROMATION



LOCATION

Avondale Library
509 40th Street South
Birmingham, AL 35222



UPCOMING EVENTS

August 3, 2024 at 11 a.m.



Speaker: Farah D. Lubin, Ph.D.
UAB Department of Neurobiology
Director, Roadmap Scholars Program

**Topic: How our brain cells read
DNA to form memories**



SCAN NOW

The UAB Comprehensive Neuroscience Center



Communicate. Educate. Collaborate. Accelerate.

Additional Links

[CNC Website](#)

[CNC Neuroscience Research Pillars](#)

[Join CNC Listserv](#)

[Previous CNC Newsletters](#)

[UAB CNC Brain Awareness](#)

[UAB Research News](#)

[UAB Heersink School of Medicine News](#)

[Society for Neuroscience \(SfN\).](#)

[National Institutes of Health \(NIH\).](#)



Comprehensive Neuroscience Center
1825 University Blvd , 907A
Birmingham, AL 35294

<https://www.uab.edu/medicine/cnc/>
205.975.1066 | cnc@uab.edu

This email was sent to CNC@UAB.EDU. More information about email security can be found at go.uab.edu/emailsecurity.

You are receiving this message without the option to unsubscribe because of your role with UAB.

Copyright © 2024 The University of Alabama at Birmingham, All rights reserved.
1701 2nd Ave S, Birmingham, AL, 35294 US

[Privacy Policy](#) | [Terms of Use](#) | uab.edu