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
Alabama Summit on Addiction and Pain
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

Neuronline: 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](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!
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)