

# COMPREHENSIVE NEUROSCIENCE CENTER



## JANUARY 2023 NEWSLETTER



One of the many CNC goals for the new year is to reactivate the Society for Neuroscience (SfN), University of Alabama at Birmingham (UAB) Chapter, formally known as the Birmingham Chapter.

Throughout the year, the UAB Chapter will make plans to support various activities throughout the Alabama area consistent with the [SfN mission and strategic plan](#).

If your SfN membership has lapsed and you are hoping to renew, [Click Here](#).

If you are not member of SfN and you wish to become a member, [Click Here](#).

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## Featured CNC Equipment



### Zeiss Axio Imager A2 upright microscope

#### Features

- Motorized and automated stage
- DAPI, GFP, Cy3, and Texas Red filter sets
- Stereoinvestigator software for unbiased stereology
- 5X, 10X, 20X (dry) & 40X, 63X, 100X (oil) objectives
- AxioCam MRc 5 megapixel CCD camera
- X-Cite Series 120Q fluorescence light source

Located in **Shelby 1075B**, this CNC resource can be booked by any CNC member using the QReserve reservation system.

Questions? Contact [cnc@uab.edu](mailto:cnc@uab.edu) for more details on this or other CNC-supported shared instrumentation.

## CNC goals for 2023

- **Goal 1: Streamline CNC interactions**

In FY2023, CNC leadership will streamline the CNC research pillar structure to provide a more effective framework to foster collaborative grant applications and publications.

- **Goal 2: Broaden use of CNC resources and programs**

To increase use of CNC-supported resources and programs, we will boost communication regarding these resources via the CNC retreat, CNC newsletter, CNC website, and CNC social media accounts.

- **Goal 3: Increase scientific funding advocacy in the CNC**

We plan to create a formal initiative within the CNC with a mission to advocate both locally and national for scientific funding, with a focus on the neurosciences. This initiative will be used as a launching point to increase engagement between CNC leadership and members with state and local political leaders. The CNC will provide resources and templates for communication for our members, host funding advocacy events, and encourage funding advocacy in the CNC newsletter and other communications.

Promoting and supporting interdisciplinary neuroscience research, clinical care, and education at UAB

## Happening this month

**January 5 @ 9 a.m.**—SHEL 1015

Special Seminars—Dr. Aqilah McCane

**January 6 @ 8:30 a.m.**—SHEL 1015

Work-in-Progress—Harshad Pa, PHD Postdoc

**January 10 @ 8 a.m.** —West Pavilion, Conference Room E

[Neurology Grand Rounds - Quynh Vo, MD](#)

**January 12 @ 9 a.m.**—SHEL 1015

Special Seminars—Dr. Frankie Heyward

**January 12 @ 1:30 p.m.**—BBRB 170

Neurobiology Seminar Series—Dr. Todd Golde

**January 13 @ 8:30 a.m.**—SHEL 1015

Work-in-Progress—Robert Phillips, Grad Student

**January 17 @ 8 a.m.** —West Pavilion, Conference Room E

[Neurology Grand Rounds - CPC](#)

**January 19 @ 9 a.m.**—SHEL 1015

Special Seminars—Dr. Ali Mohebi

**January 20 @ 8:30 a.m.**—SHEL 1015

Work-in-Progress—Anna Cook, Grad Student

**January 24 @ 8 a.m.** —West Pavilion, Conference Room E

[Neurology Grand Rounds - Annual Women in Neurology Lecture](#)

**January 26 @ 1:30 p.m.**—BBRB 170

Neurobiology Seminar Series—Dr. Tony Wyss-Coray

**January 27 @ 8:30 a.m.**—SHEL 1015

Work-in-Progress—Briana Machen, Grad Student

**January 29 @ 3 p.m.- 5 p.m.**—Shelby County Arts Council (105 W College St, Columbiana, AL 35051)

2023 Helen Keller Art Show of Alabama, Opening Reception –[UAB Vision Science Research Center](#)

Supporting and promoting sensory-impaired children throughout Alabama.

Free Event. Refreshments Provided.



**Official titles of Seminars will be included in Weekly Updates!**

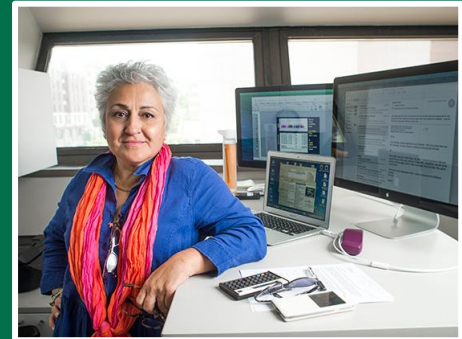
For more on the latest headlines and events, visit: <https://www.uab.edu/medicine/cnc/news-events> or scan the QR Code above.

## In the news

### New study puts gut microbiome at the center of Parkinson's disease pathogenesis

New research from the University of Alabama at Birmingham says the gut microbiome is involved in multiple pathways in the pathogenesis of Parkinson's disease. The findings, published in Nature Communications, show a wide imbalance in microbiome composition in persons with Parkinson's disease. The study is the largest microbiome study conducted at the highest resolution.

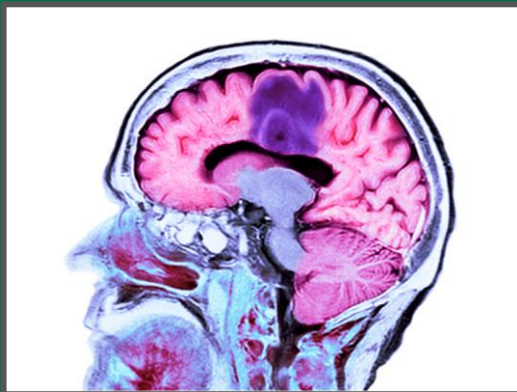
[Read more](#)



### Atomic structure of a staphylococcal bacteriophage using cryo-electron microscopy

High-resolution knowledge of structure is a key link between viral biology and potential therapeutic use of the virus to quell bacterial infections. [Read more](#)

### UAB spinoff cleared to launch Phase 2 clinical trial for glioblastoma



IN8bio Inc., a clinical-stage biopharmaceutical company using technology licensed in part from the University of Alabama at Birmingham, has announced United States Food and Drug Administration clearance of its Investigational New Drug, or IND, application to launch a Phase 2 clinical trial. The trial will target newly diagnosed glioblastoma, using IN8bio's proprietary drug-resistant immunotherapy.

[Read more](#)

### NeuroGateways 2023—March 30-31, 2023

The NeuroGateways 2023 Symposium is an inaugural event hosted by the UAB Consortium for Neuroengineering and Brain-Computer Interfaces. This symposium will bring together UAB and external experts, including academic scientists, clinicians, and industry, to discuss the latest discoveries, clinical applications, and business opportunities in neuroengineering and neurotechnology. The symposium will have 3 central themes: Neurorehabilitation, Neuromodulation and Neurodata. [Read more](#)

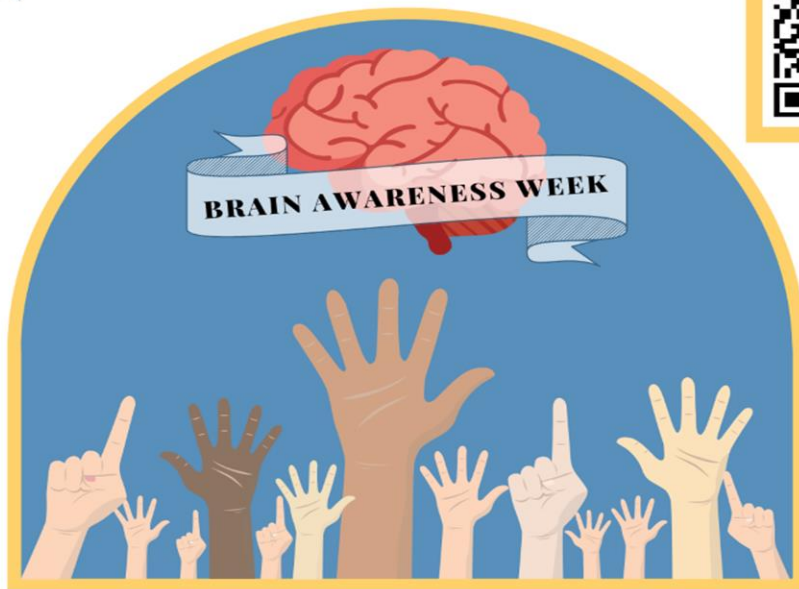
# GET INVOLVED

EVENTS & OUTREACH VOLUNTEER OPPORTUNITIES

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

If so, we have several outreach opportunities for you to get involved!

For more information or interest, please contact [cnc@uab.edu](mailto:cnc@uab.edu)



# VOLUNTEERS NEEDED

**3/29  
- 4/2**

## MCWANE CENTER

Scan the QR code or go to the link to sign up for one of our activities! Contact [delgadoa@uab.edu](mailto:delgadoa@uab.edu) & [efjones@uab.edu](mailto:efjones@uab.edu) for more information!

[HTTPS://WWW.SIGNUPGENIUS.COM/GO/10C094EAAAF29A4FCC52-BRAIN](https://www.signupgenius.com/go/10c094eaaaf29a4fcc52-brain)

## ADDITIONAL LINKS

CNC Website: <https://www.uab.edu/medicine/cnc/>

CNC Neuroscience Research Pillars:  
<https://www.uab.edu/medicine/cnc/research/pillars>

Join CNC Listserv: <https://www.uab.edu/medicine/cnc/join>

UAB Research News: <https://www.uab.edu/news/research>



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