

STATE
of the
SCHOOL

ANUPAM AGARWAL, M.D.

SENIOR VICE PRESIDENT FOR MEDICINE AND DEAN
UAB MARNIX E. HEERSINK SCHOOL OF MEDICINE
PROFESSOR OF MEDICINE, DIVISION OF NEPHROLOGY
JAMES C. LEE JR. ENDOWED CHAIR

UAB
HEERSINK
SCHOOL OF MEDICINE

The University of Alabama at Birmingham

In Remembrance



Dennis D. Doblar, M.D.
Professor
Anesthesiology and
Perioperative Medicine



**William H. Coleman, Sr., M.D.,
Ph.D.**
Emeritus Director
Office for Family Health Education &
Research, Huntsville Regional
Medical Campus



Robin "A.J." Lester, Ph.D.
Professor
Department of Neurobiology



Shawn B. Harmon, M.D., Ph.D.
Assistant Professor
Montgomery Regional Medical
Campus



George E. Cassady II, M.D.
Former Director
Division of Neonatology



Eva Dubovsky, M.D.
Professor Emerita
Department of Radiology



Taher El Gammal, M.D.
Professor Emeritus
Department of Radiology



Victoria "Vicki" Johnson, M.D.
Professor Emerita
Division of Infectious Diseases



James Taylor, M.D.
Professor
Department of Medicine



James "Jim" Wilson, III
Trustee

Inspiration in Action

Medical student becomes good Samaritan and helps David Harmer after car crash



Will Byrd
Heersink School of Medicine student



Elayne and David Harmer

Leading by Example



Department leadership through Jan. 1, 2024

Welcoming New Chairs



**Justin Turner, M.D.,
Ph.D.**

Department of
Otolaryngology

*Recruited from: Vanderbilt
University Medical Center*



James Cimino, M.D.
Department of Biomedical
Informatics and Data
Science



**J. Victor Garcia-Martinez,
Ph.D.**

Department of
Microbiology

*Recruited from: UNC School of
Medicine*



**Brian Samuels, M.D.,
Ph.D.**

Department of
Ophthalmology and Visual
Sciences



**Cristina Magi-Galluzzi,
M.D., Ph.D.**

Department of Pathology

Thank You, Board of Visitors

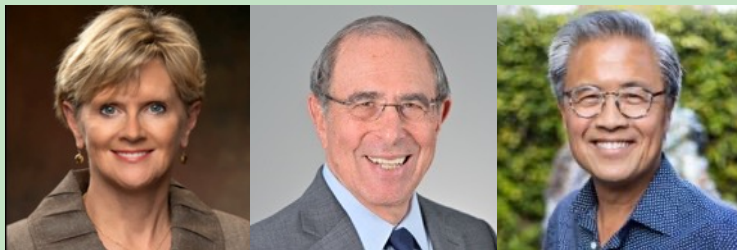


Top Row

Gail H. Cassell, Ph.D., Co-Chair; Ted W. Love, M.D., Co-Chair; Mary C. Battle, MSHA; Tom A. Blount; Sheri Cook, MBA, M.Ac.; Nancy E. Dunlap, M.D., Ph.D., MBA; C.T. Fitzpatrick

Bottom Row

Mike Goodrich, J.D.; Harry B. Greenberg, M.D.; Mimi Head; Mary Heersink; James C. Lee, III; George D. Lundberg, M.D.



Incoming Members

Sara J. Finley, J.D.
John Gallin, M.D., MACP
Gordon J. Lee

Thank You



HEALTH SYSTEM



MISSION

To provide life-changing care.



VISION

To be the leader in improving the health and lives of all we serve.

HEERSINK

MISSION

To advance health and healing through patient care, education, and discovery.

VISION

To be a leader in making a global impact through innovative care, transformative discovery, and collaborative teaching and learning.

Education

STATE *of the* **SCHOOL**

Education Snapshot

813

MEDICAL STUDENTS

2023 ENTERING CLASS

186

INCOMING CLASS

1,125

RESIDENTS AND FELLOWS

509

AVERAGE MCAT SCORE

100%

**MATCH RATE: TO 78
INSTITUTIONS IN 31 STATES**

48

**UNDERGRADUATE
INSTITUTIONS REPRESENTED**

8

**CLINICAL
TRAINING SITES**

158

**ALABAMA RESIDENTS
(85% OF INCOMING CLASS)**

Data as of 9/30/2023



Investing in Our Students

- Expanding medical student class size
- Engaging with students through regular meetings
- Expanding integrated residency programs
- Increase scholarships



A Space for Learning: Heersink Family Active Learning Center



Student Relaxation Space



Primary Care Success

- Health Resources and Services Administration (HRSA) funding creates new Center for Excellence in Primary Care Education
- \$2 million in federal grant money awarded to the Department of Family and Community Medicine allows point-of-care ultrasound units (POCUS) for all students
 - Partnering with Selma





Campuses by the Numbers

BIRMINGHAM

647 medical students
1,012 residents
1,766 full-time faculty

HUNTSVILLE

68 medical students
64 residents
26 full-time faculty

TUSCALOOSA

63 medical students
289 UA full-time faculty*

*Full-time faculty are UA faculty and volunteer UAB faculty

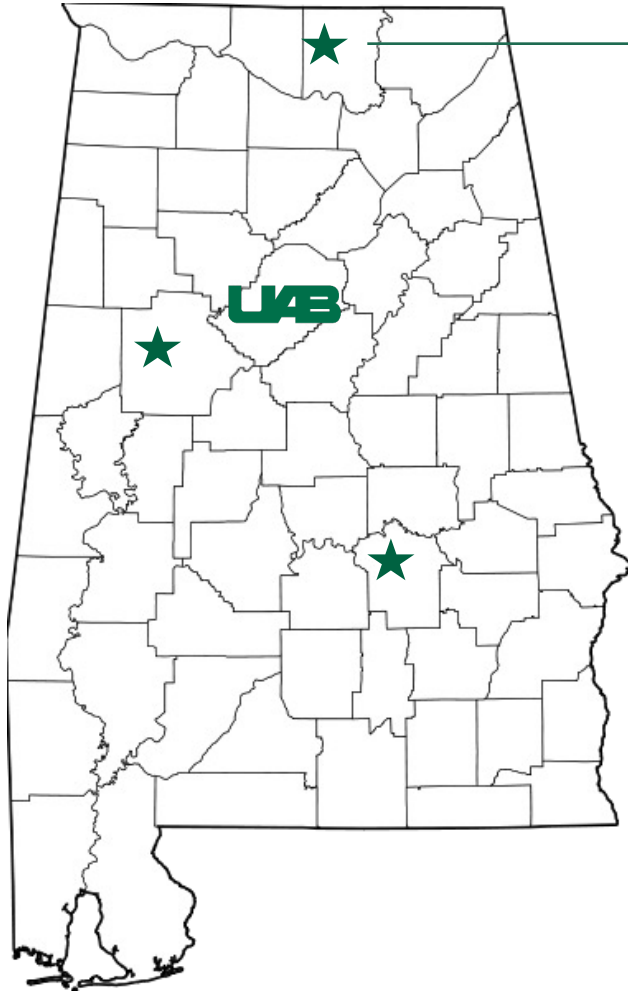
MONTGOMERY

35 medical students
44 residents**
7 full-time faculty***

**Includes Selma residents

***Includes Selma faculty

Regional Campuses



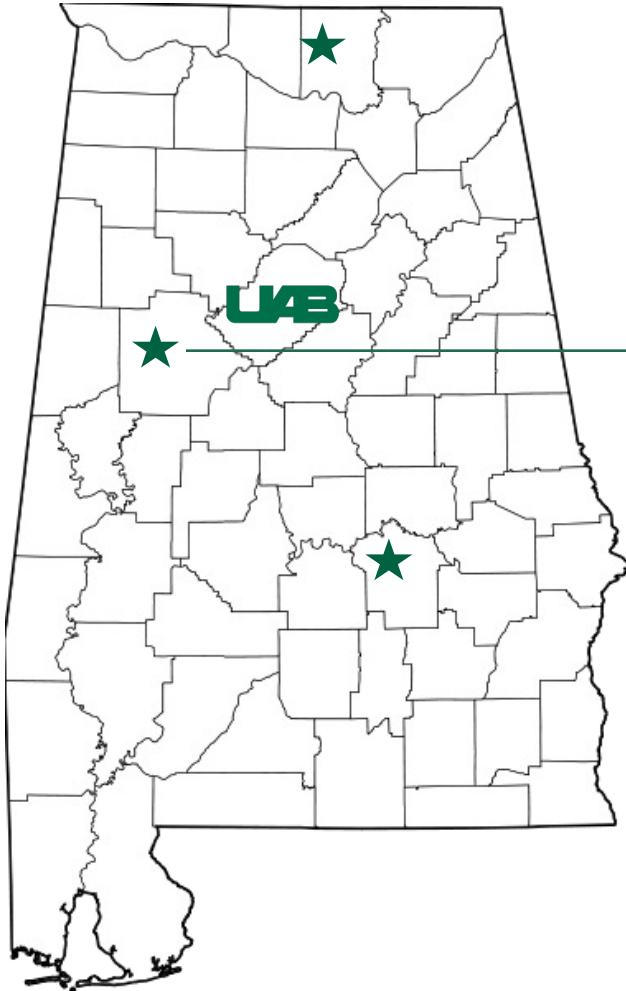
Huntsville

- Applied for UAB Psychiatry Residency and expanded research division to meet the growing psychiatric care needs



Roger Smalligan, M.D.
Regional Dean

Regional Campuses



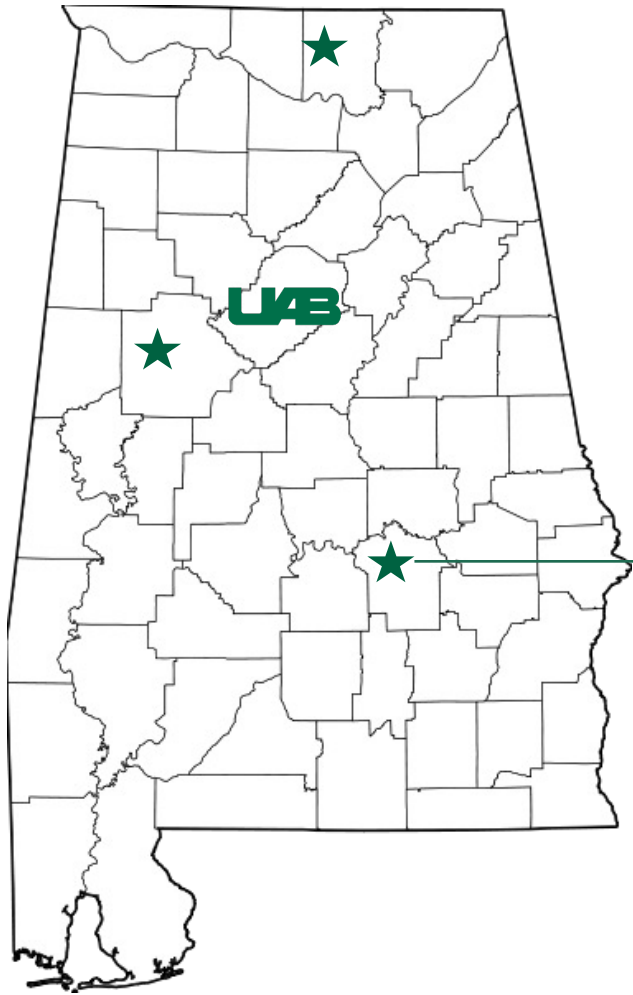
Tuscaloosa

- Opened University Medical Center-Northport, expanding health care services, including internal medicine, geriatrics, and behavioral health



Richard Friend, M.D.
Regional Dean

Regional Campuses



Montgomery

- Hosted inaugural Montgomery Health Policy Meeting
 - Save the date: April 4, 2024



Louis Lambiase, M.D.
Regional Dean



Bryan Stevenson, executive director of the Equal Justice Initiative, at the inaugural Montgomery Health Policy Meeting on April 13, 2023

Visiting Our Communities



Research

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High-Impact Publications



Michael John Patton



Hayden Pacl



Aubrey Schonhoff

Critical Care

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Research | [Open access](#) | [Published: 23 January 2023](#)

COVID-19 bacteremic co-infection is a major risk factor for mortality, ICU admission, and mechanical ventilation

Michael John Patton [✉](#), Carlos J. Orihuela, Kevin S. Harrod, Mohammad A. N. Bhuiyan, Paari Dominic, Christopher G. Kevil, Daniel Fort, Vincent X. Liu, Maha Farhat, Jonathan L. Koff, Charitharth V. Lal, Anuj Gaggar, Robert P. Richter, Nathaniel Erdmann, Matthew Might & Amit Gaggar

nature communications

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[nature](#) > [nature communications](#) > [articles](#) > [article](#)

Article | [Open access](#) | [Published: 06 September 2023](#)

NAD(H) homeostasis underlies host protection mediated by glycolytic myeloid cells in tuberculosis

[Hayden T. Pacl](#), [Krishna C. Chinta](#), [Vineel P. Reddy](#), [Sajid Nadeem](#), [Ritesh R. Sevalkar](#), [Kievershen Nargan](#), [Kapongo Lumamba](#), [Threnesan Naidoo](#), [Joel N. Glasgow](#), [Anupam Agarwal](#) [✉](#) & [Adrie J. C. Steyn](#) [✉](#)

nature communications

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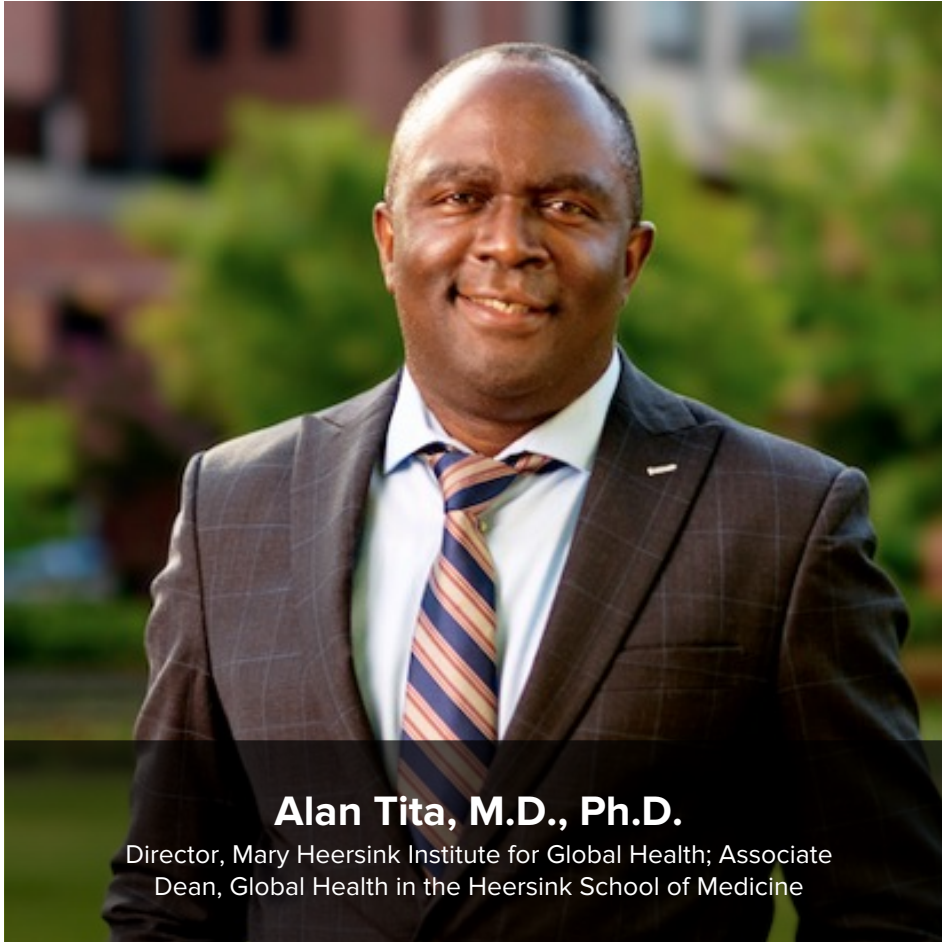
[nature](#) > [nature communications](#) > [articles](#) > [article](#)

Article | [Open access](#) | [Published: 26 June 2023](#)

Border-associated macrophages mediate the neuroinflammatory response in an alpha-synuclein model of Parkinson disease

[A. M. Schonhoff](#), [D. A. Figge](#), [G. P. Williams](#), [A. Jurkuvenaite](#), [N. J. Gallups](#), [G. M. Childers](#), [J. M. Webster](#), [D. G. Standaert](#), [J. E. Goldman](#) & [A. S. Harms](#) [✉](#)

A Successful Year for the CHAP Trial



Alan Tita, M.D., Ph.D.

Director, Mary Heersink Institute for Global Health; Associate Dean, Global Health in the Heersink School of Medicine

- CHAP (Chronic Hypertension and Pregnancy) Trial:
 - 2023 Top Ten Clinical Research Achievement Award from the Clinical Research Forum
 - Herbert Pardes Clinical Research Excellence Award
 - David Sackett Trial of the Year by the Society of Clinical Trials for 2023



The NEW ENGLAND
JOURNAL of MEDICINE

ORIGINAL ARTICLE

Treatment for Mild Chronic Hypertension during Pregnancy

Alan T. Tita, M.D., Ph.D., Jeff M. Szychowski, Ph.D., Kim Boggess, M.D., Lorraine Dugoff, M.D., Baha Sibai, M.D., Kirsten Lawrence, M.D., Brenna L. Hughes, M.D., Joseph Bell, M.D., Kjersti Aagaard, M.D., Ph.D., Rodney K. Edwards, M.D., Kelly Gibson, M.D., David M. Haas, M.D., [et al.](#), for the Chronic Hypertension and Pregnancy (CHAP) Trial Consortium*

Leading the Way in Alzheimer's Research

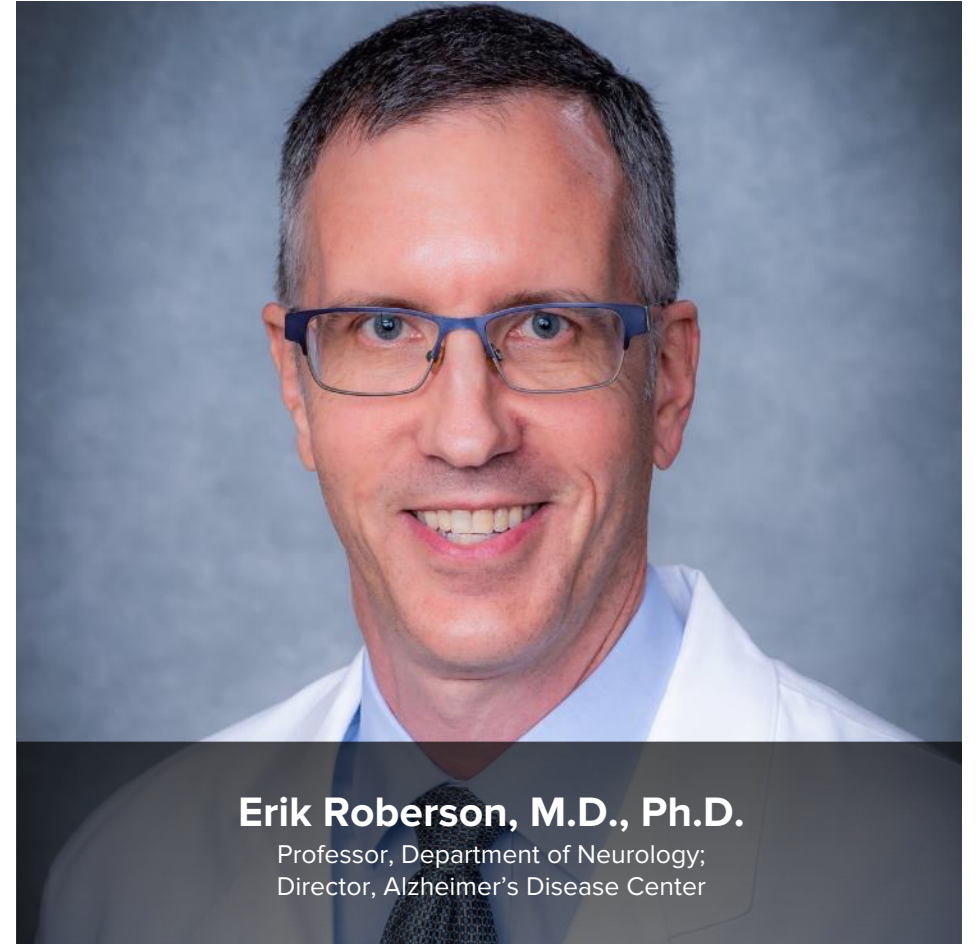
23



ALZHEIMER'S DISEASE CENTER

The University of Alabama at Birmingham

- Outstanding score on P30 renewal application



Erik Roberson, M.D., Ph.D.

Professor, Department of Neurology;
Director, Alzheimer's Disease Center

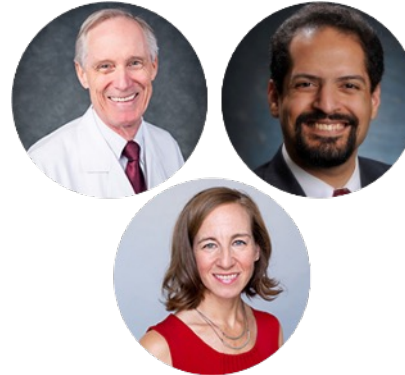
Center for Clinical and Translational Science

Successful NIH/NCATS Competing Renewal

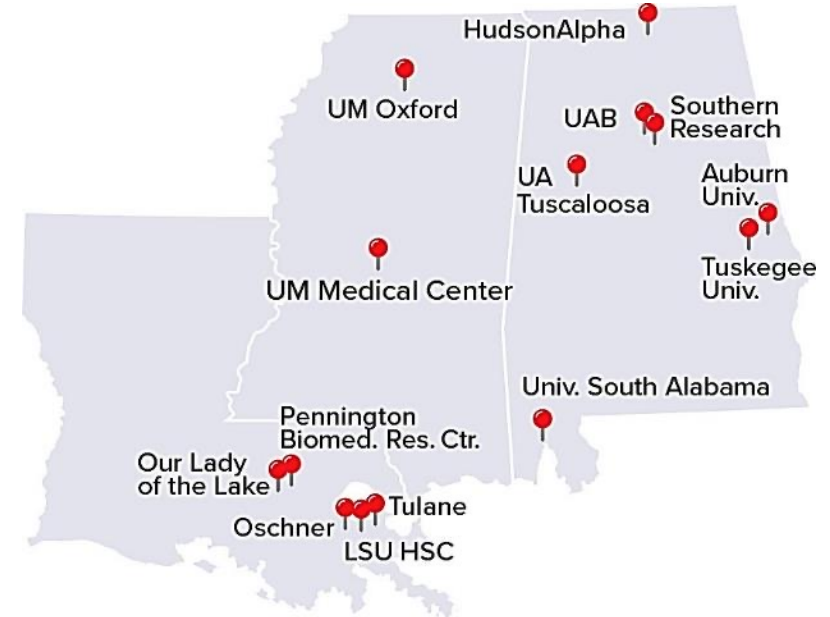
\$82.6M Total Funding

Impact Score	Proposal
21*	Clinical and Translational Science Award (UM1)
10	Predocotrual Training (T32) in Translational Science
18	Postdoctoral Training (T32) in Dissemination & Implementation Science
20	Mentored Career Development (K12) Program

**Second best score in class among existing CTSA's*



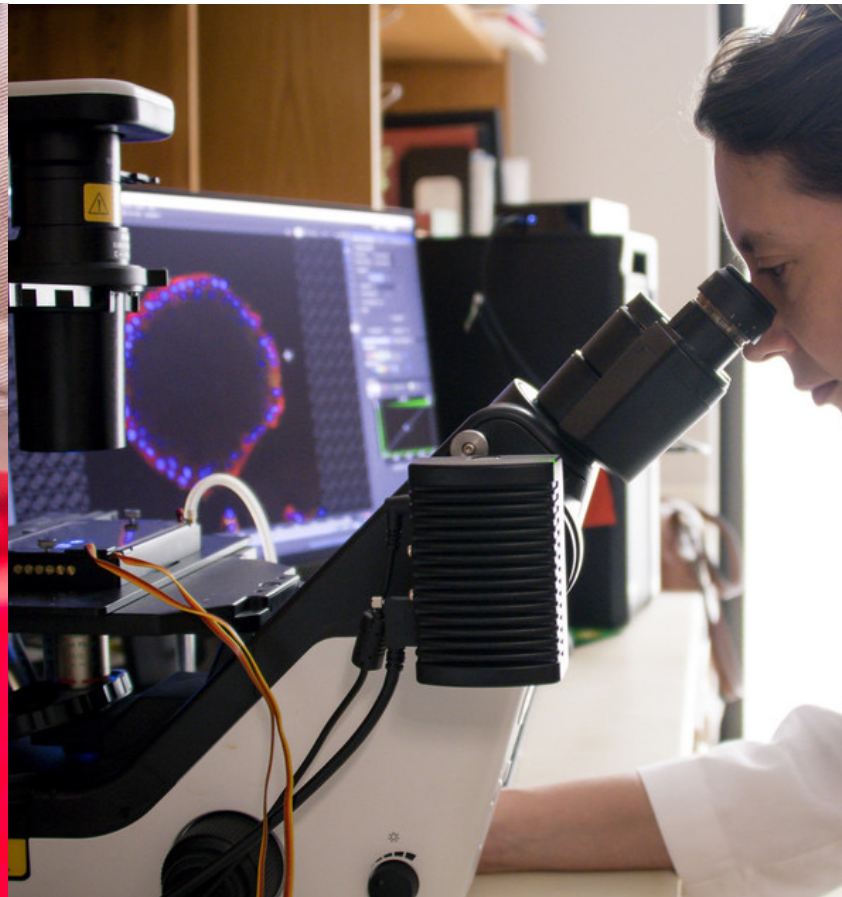
Robert Kimberly, M.D., Co-Director; Orlando Gutierrez, M.D., Co-Director; Jennifer Croker, Ph.D., Senior Administrative Director



Renewal of Major Center Programs

- Center for AIDS Research (Pending Notice of Award)
- Cystic Fibrosis Research Center
- O'Brien Center for Acute Kidney Injury Research

25



Moving Research Forward

- **Maria Pisu, Ph.D.**

Center for Cancer Control in Persistent Poverty Areas - **\$11.1M** NIH U54 award

- Enable enhanced cancer prevention and control in Alabama's Persistent Poverty Areas, focusing on social determinants and tailored interventions.

- **Jennifer Pollock, Ph.D.**

Early Life Stress Induced Mechanisms of Cardiovascular Disease Risk and Resilience - **\$11.2M** NIH P01 award

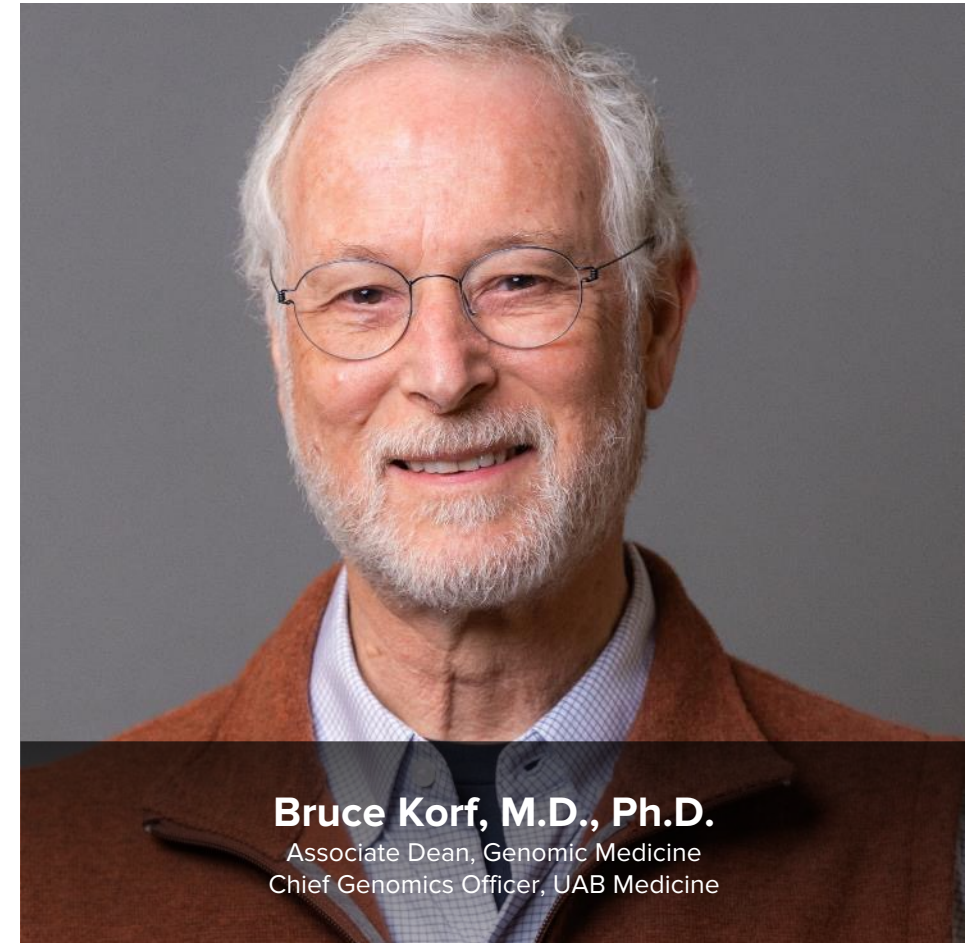
- Uncover links between early life stress and cardiovascular risk, informing prevention and intervention strategies for the community's well-being.



Neurofibromatosis Funding Continuation

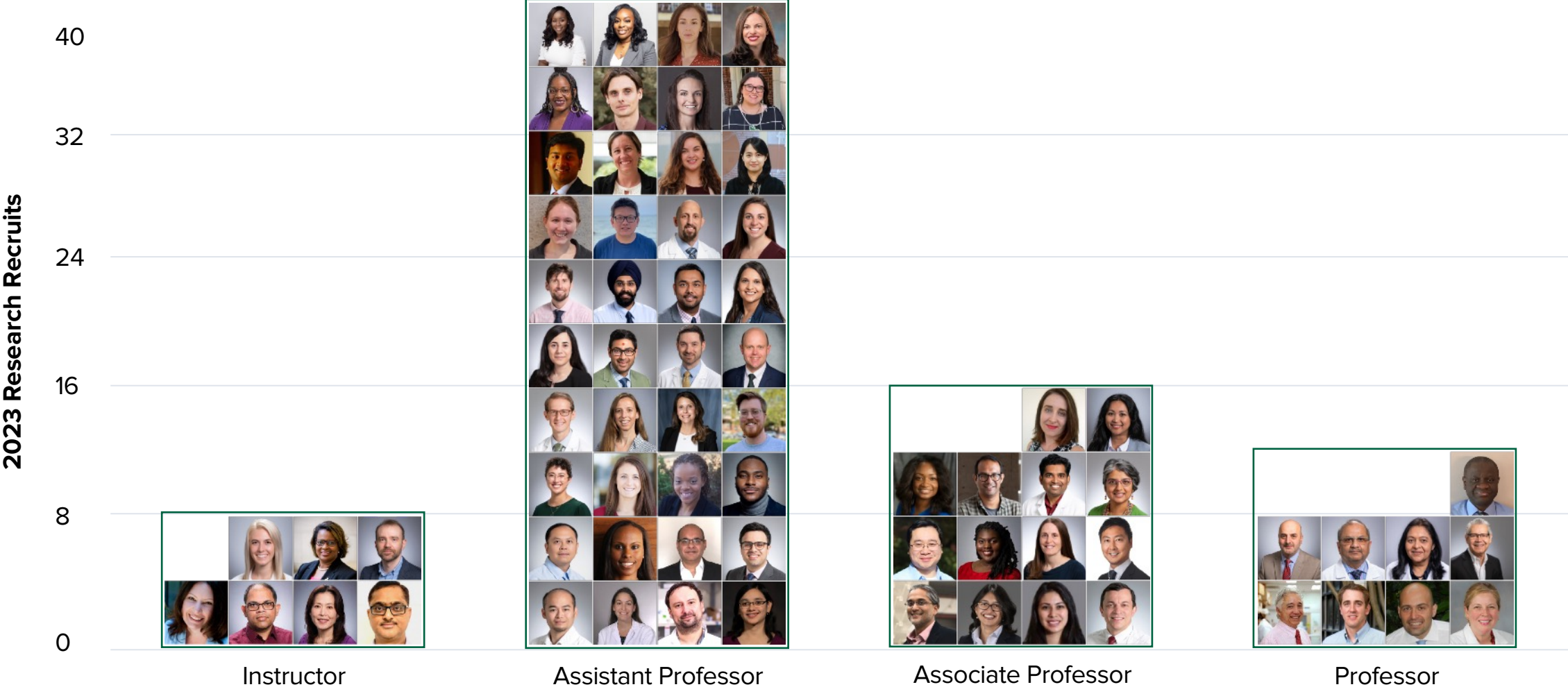
27

- A **\$25 million** award from the Department of Defense (DOD) will extend funding for the Neurofibromatosis Clinical Trials Consortium for another 10 years.

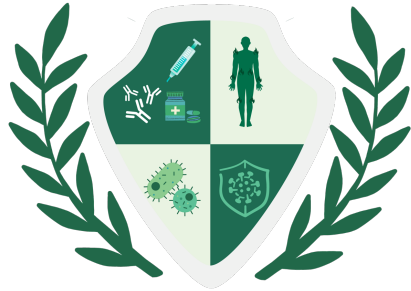


Bruce Korf, M.D., Ph.D.
Associate Dean, Genomic Medicine
Chief Genomics Officer, UAB Medicine

Fresh Minds, Bold Ideas: 2023 Research Recruits



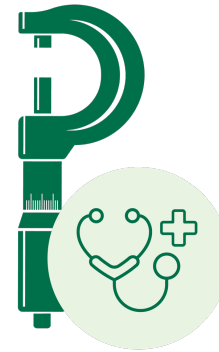
Research Recruitments Paying Dividends



I-4ward



Health Equity

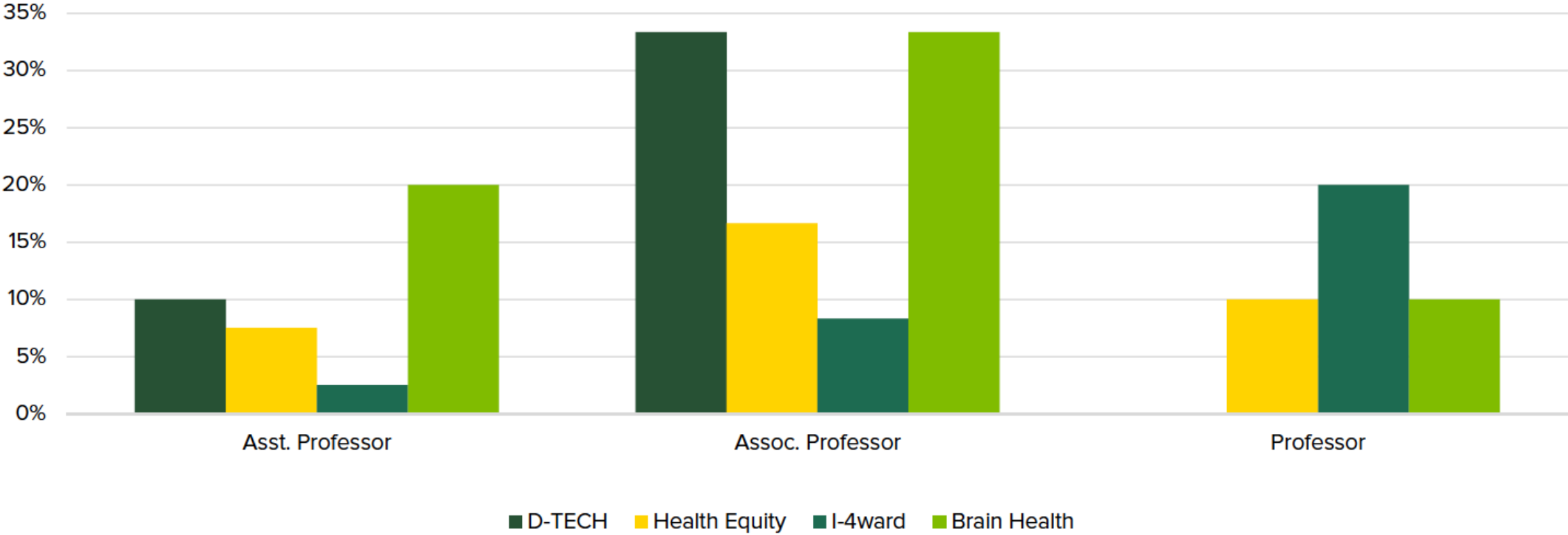


D-TECH



Brain Health & Disease
Across the Lifespan

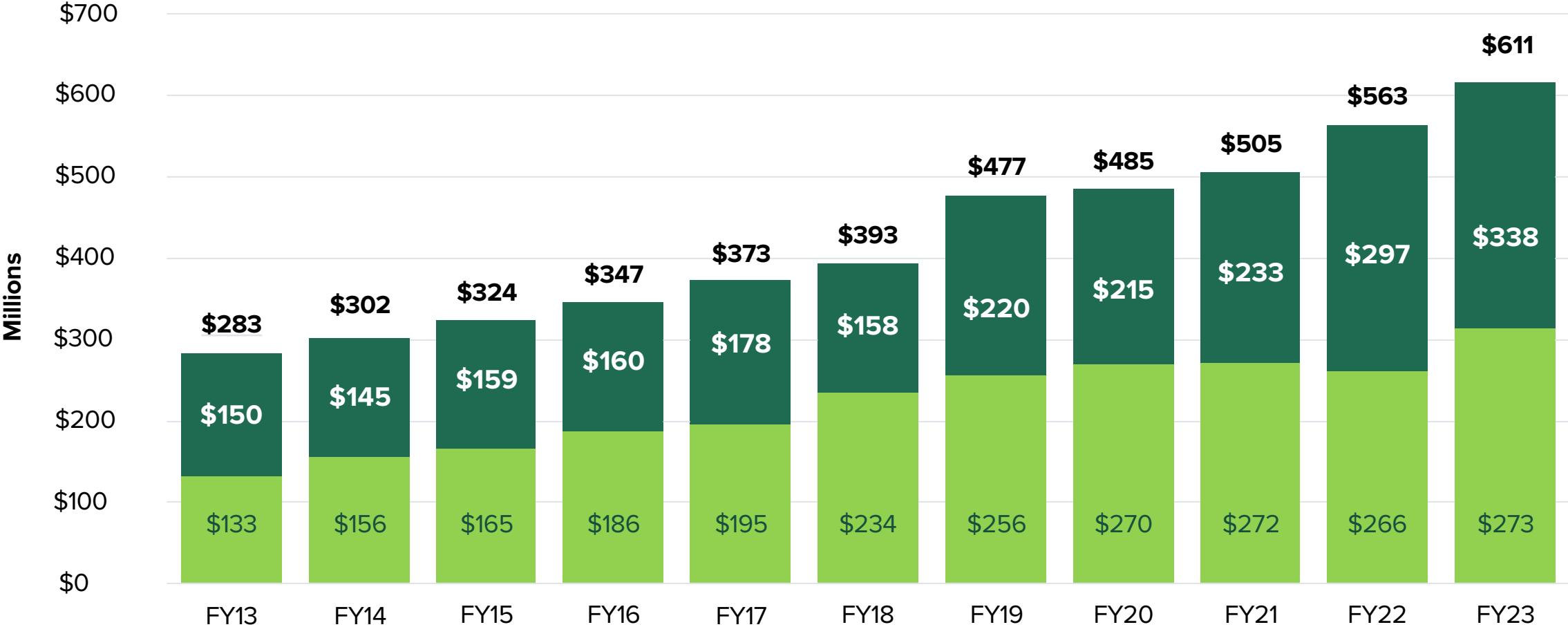
Recruitment by Research Focus Area



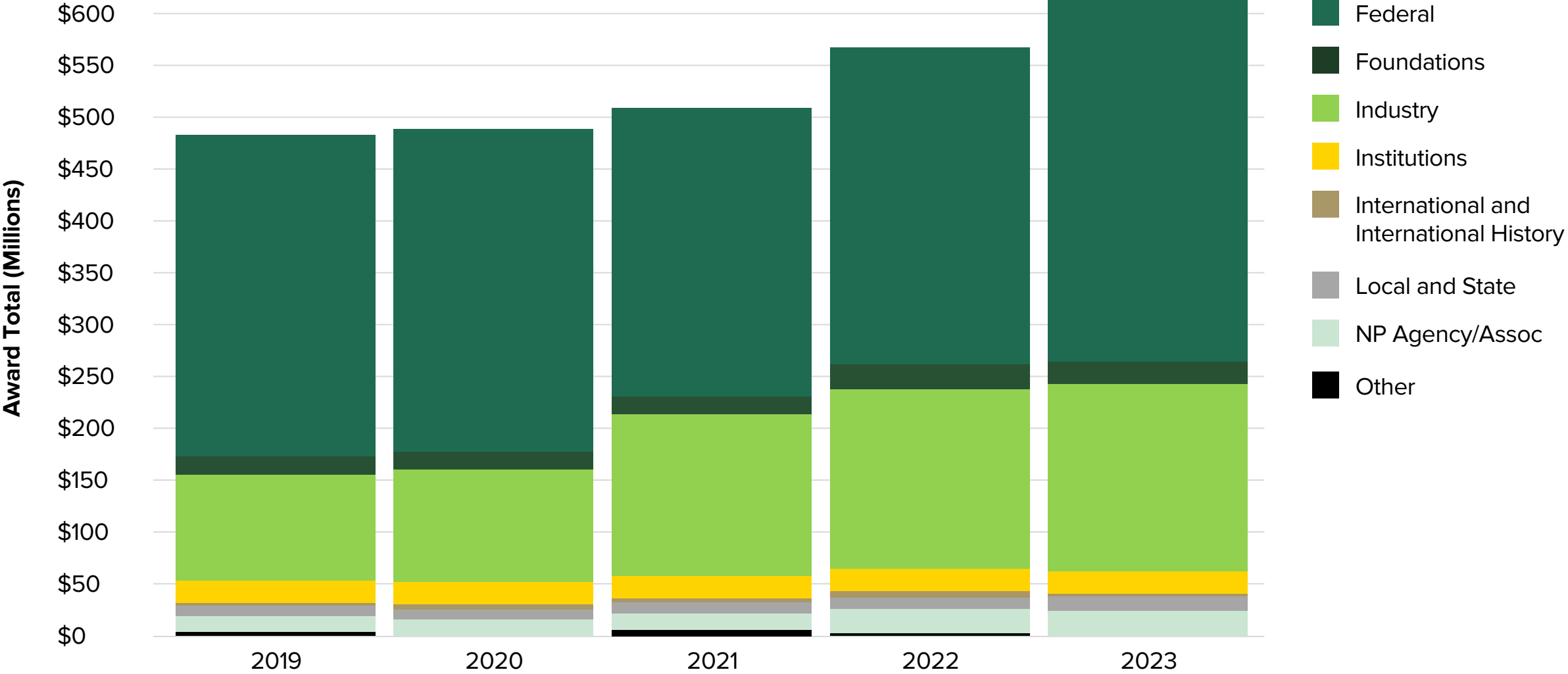
Total Extramural Funding

■ Non-NIH/all other funding
■ NIH funding

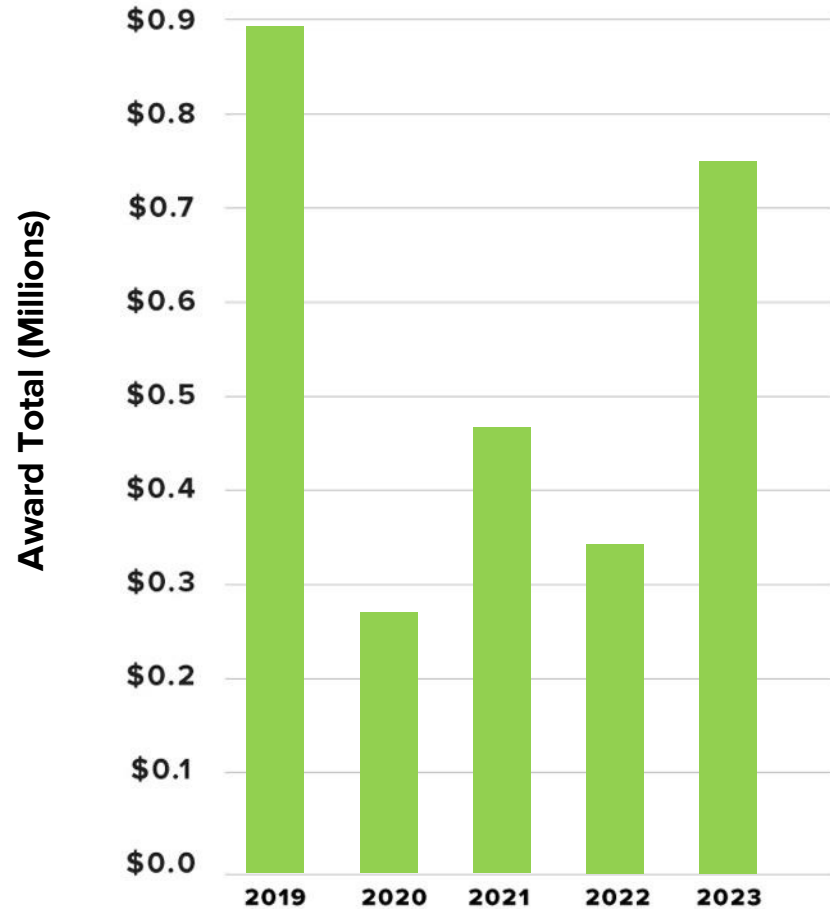
NIH ranking: 12th among public universities



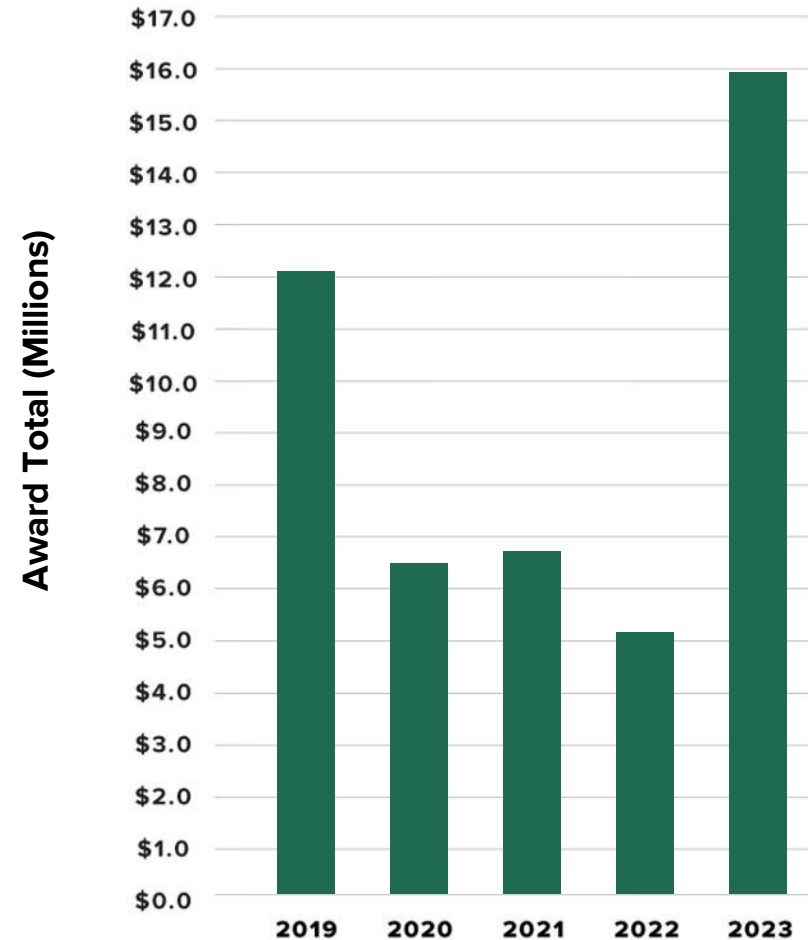
Sponsor Type by Fiscal Year



National Science Foundation (NSF)



Department of Defense (DOD)



National Recognition



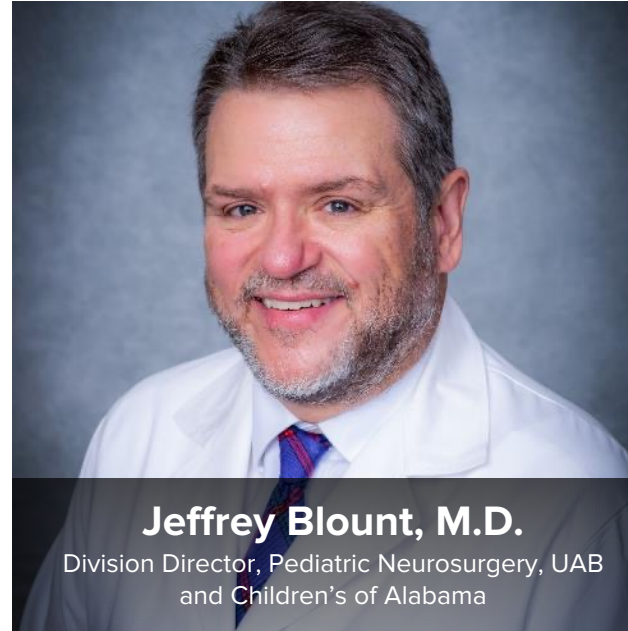
National Institute of
Allergy and
Infectious Diseases

- **Jeanne Marrazzo, M.D.**, selected to succeed Anthony Fauci, M.D., as director, National Institute of Allergy and Infectious Diseases (NIAID).
- Marrazzo served as director, Department of Medicine, Division of Infectious Diseases, Executive Vice Chair, Department of Medicine.



Transformative Step: WHO Resolution

- The **76th World Health Organization (WHO) World Health Assembly** adopted a resolution calling for mandatory folic acid food fortification along with other micronutrients to combat preventable micronutrient deficiencies, such as spina bifida and neural tube defects.



Mary Heersink Institute for Global Health Inaugural Symposium

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- Sept. 28-29, 2023



Honoring Excellence in Science

37



- HaoSheng Sun, Ph.D., has been named to the inaugural class of Freeman Hrabowski Scholars by the Howard Hughes Medical Institute.



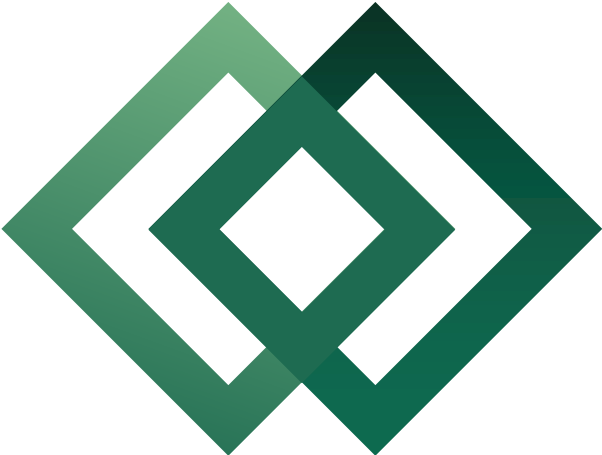
HaoSheng Sun, Ph.D.

Assistant Professor, Department of Cell, Developmental and Integrative Biology

Clinical Care

STATE *of the* **SCHOOL**

Leading Care Lasting Impact



CLINICAL STRATEGIC PLAN WITH THE HEALTH SYSTEM

Our Five Strategic Commitments



• INNOVATION & DISCOVERY

- Promote and invest in an academic medical center that embraces an intentional and responsible approach to uncertainty and enables continual innovation and discovery across our clinical enterprise



• STEWARDSHIP & GROWTH

- Strategically expand and align clinical services across the care continuum



• COMMUNITY HEALTH & ENGAGEMENT

- Facilitate meaningful connections with our diverse communities to improve access and health outcomes



• PEOPLE & CULTURE

- Be a magnet for individuals to thrive in a team-based culture in which innovation, dedication, and compassion are valued



• EXCELLENCE IN PATIENT CARE

- Provide access to excellent care through UAB Medicine and our partners

Clinical Snapshot

56,163

HOSPITAL AND SURGICAL CASES INCLUDING UH MAIN, HIGHLANDS, AND CALLAHAN EYE

163,401

TELEMEDICINE VISITS

93%

HOSPITAL OCCUPANCY PERCENTAGE RATE

130,155

ANNUAL ER VISITS

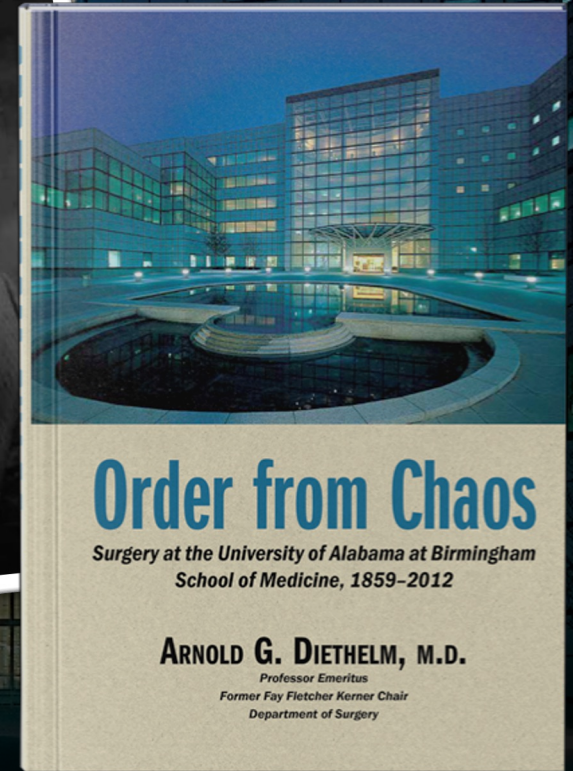
1,996,501

CLINICAL ENCOUNTERS



50th
ANNIVERSARY

50th Anniversary of Health Services Foundation



Health Services Foundation Welcomes Cheri Canon

43

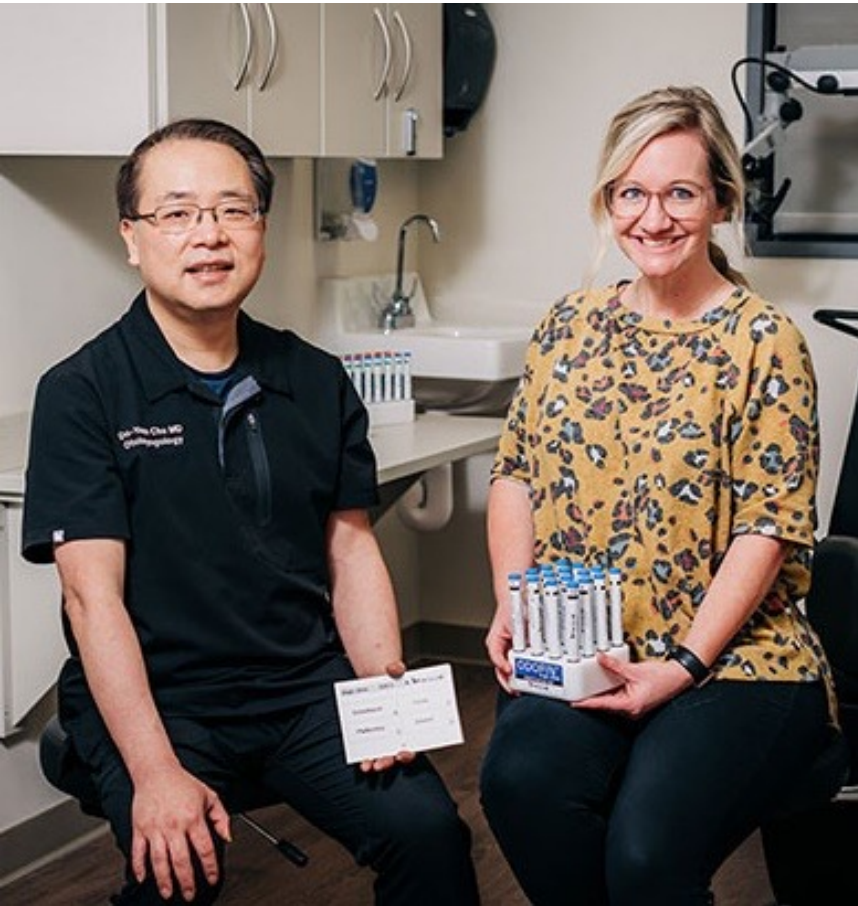


Cheri L. Canon, M.D., FACR, FSAR, FAAWR

- Professor and Chair, Department of Radiology
- Witten-Stanley Endowed Chair of Radiology
- Chief Clinical Integration Officer, UAB Health System

Creating Access to Primary and Specialty Care

- UAB Comprehensive Smell and Taste Clinic Launch
- Spinal Cord Stimulator Therapy for Chronic Pain
- Surpassed 20,000 robotic surgeries milestone



Expanding Access to Services

- Emergency department expansion
- Upcoming Memory Disorders Clinic

45



Spain Rehabilitation Center



- Anticipated completion date of Spring 2025

Cooper Green Mercy Health



Facilities

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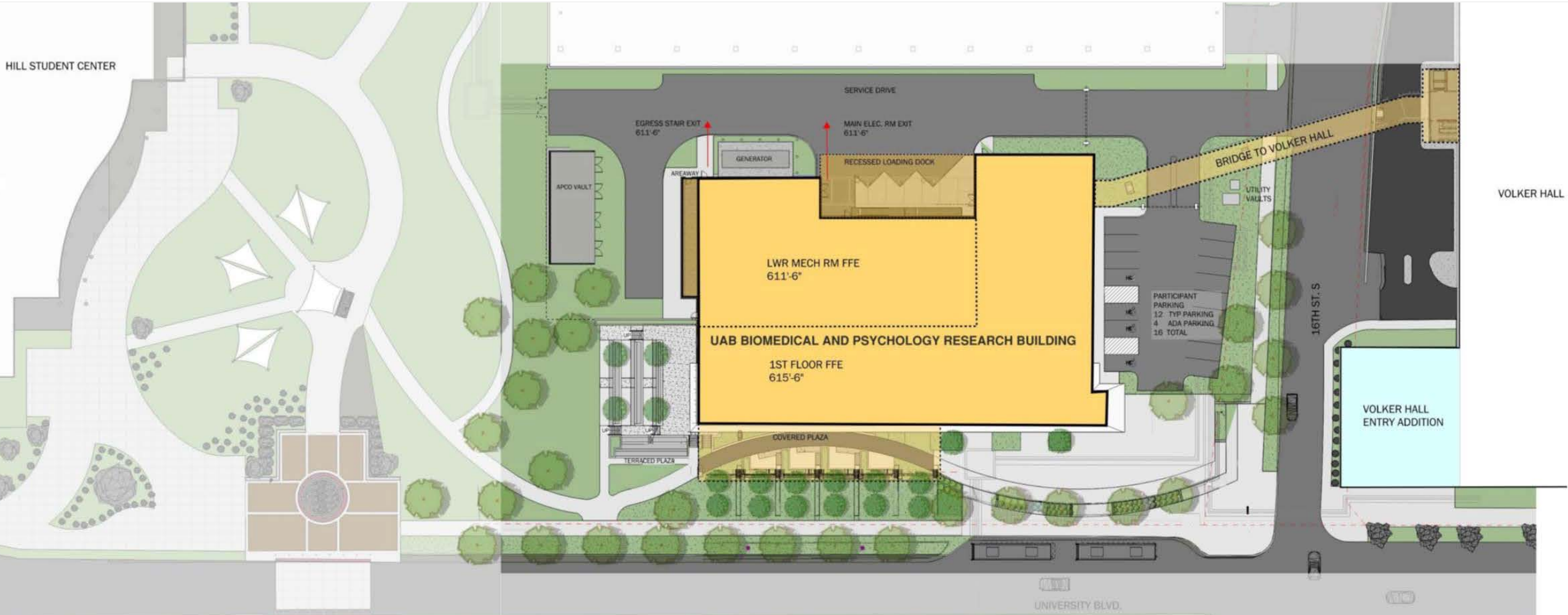
Expanding Our Footprint



McCallum Basic Health Sciences Building



Biomedical Research and Psychology Building



Altec/Styslinger Genomic Medicine and Data Sciences Building



Child Development Center



Southern Research Biotech Center



Building Partnerships

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Chiquita Brooks-LaSure, CMS Administrator, Visits UAB

- Brooks-LaSure discussed Live HealthSmart's health equity advances in Alabama during her May 18, 2023, visit.



UAB Surgery Welcomes Dr. Patrick Jackson and U.S. Supreme Court Justice Ketanji Brown Jackson



The Year in Philanthropy

\$65,373,619

TOTAL GIFTS

\$11,456,566

TOTAL PLANNED GIFTS

\$10,652,641

ALUMNI GIFTS

\$5,158,496

MEDICAL SCHOLARSHIP GIFTS

14

NEW ENDOWED CHAIRS AND PROFESSORSHIPS

7

NEW SCHOLARSHIPS ESTABLISHED

241

CUMULATIVE ENDOWED CHAIRS AND PROFESSORSHIPS

153

CUMULATIVE SCHOLARSHIPS

Head family established the first professorship in the Department of Medical Education





Heersink Gift Reaches \$100 Million

Faculty & Staff Excellence

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Pittman Scholars



Wioletta Czaja, Ph.D.
Department of Genetics



HaoSheng Sun, Ph.D.
Department of Cell, Developmental
and Integrative Biology



Jasper Heinsbroek, Ph.D.
Department of Neurobiology



Kirstie Cummings, Ph.D.
Department of Neurobiology



Byron Lai, Ph.D.
Department of Pediatrics



Angela Carter, Ph.D.
Department of Surgery

Dean's Excellence Awards for Faculty and Staff



Faculty



Staff

Staff not pictured:

- Donna Bailer, executive administrator, Department of Neurosurgery
- Paula Clawson, rural program coordinator, Huntsville Regional Medical Campus, Office for Family Health Education and Research
- Jason Noah, director of the Student Success Program, Department of Medical Education, Division of Medical Student Services



Closing Thoughts: Inspiration in Action

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Questions?



The University of Alabama at Birmingham