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

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
## Education Snapshot

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Students</td>
<td>813</td>
</tr>
<tr>
<td>Residents and Fellows</td>
<td>1,125</td>
</tr>
<tr>
<td>Match Rate: To 78 Institutions in 31 States</td>
<td>100%</td>
</tr>
<tr>
<td>Clinical Training Sites</td>
<td>8</td>
</tr>
<tr>
<td>Undergraduate Institutions Represented</td>
<td>48</td>
</tr>
<tr>
<td>Average MCAT Score</td>
<td>509</td>
</tr>
<tr>
<td>Incoming Class</td>
<td>186</td>
</tr>
<tr>
<td>Alabama Residents (85% of Incoming Class)</td>
<td>158</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Campus</th>
<th>Medical Students</th>
<th>Residents</th>
<th>Full-Time Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BIRMINGHAM</strong></td>
<td>647</td>
<td>1,012</td>
<td>1,766</td>
</tr>
<tr>
<td><strong>HUNTSVILLE</strong></td>
<td>68</td>
<td>64</td>
<td>26</td>
</tr>
<tr>
<td><strong>TUSCALOOSA</strong></td>
<td>63</td>
<td>289</td>
<td></td>
</tr>
<tr>
<td><strong>MONTGOMERY</strong></td>
<td>35</td>
<td>44</td>
<td>7</td>
</tr>
</tbody>
</table>

*Full-time faculty are UA faculty and volunteer UAB 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
High-Impact Publications

Michael John Patton

Hayden Pacl

Aubrey Schonhoff

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


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


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

A Successful Year for the CHAP Trial

• **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
Leading the Way in Alzheimer's Research

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

<table>
<thead>
<tr>
<th>Impact Score</th>
<th>Proposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>21*</td>
<td>Clinical and Translational Science Award (UM1)</td>
</tr>
<tr>
<td>10</td>
<td>Predoctoral Training (T32) in Translational Science</td>
</tr>
<tr>
<td>18</td>
<td>Postdoctoral Training (T32) in Dissemination &amp; Implementation Science</td>
</tr>
<tr>
<td>20</td>
<td>Mentored Career Development (K12) Program</td>
</tr>
</tbody>
</table>

*Second best score in class among existing CTSAs

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
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

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

Asst. Professor
- D-TECH: 10%
- Health Equity: 5%
- I-ward: 20%
- Brain Health: 25%

Assoc. Professor
- D-TECH: 25%
- Health Equity: 15%
- I-ward: 10%
- Brain Health: 30%

Professor
- D-TECH: 20%
- Health Equity: 10%
- I-ward: 15%
- Brain Health: 15%
Total Extramural Funding

NIH ranking: 12th among public universities

<table>
<thead>
<tr>
<th>Fiscal Year (FY)</th>
<th>Non-NIH/all other funding</th>
<th>NIH funding</th>
<th>Total</th>
<th>Non-NIH/all other funding</th>
<th>NIH funding</th>
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</thead>
<tbody>
<tr>
<td>FY13</td>
<td>$133</td>
<td>$150</td>
<td>$283</td>
<td>$133</td>
<td>$150</td>
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<tr>
<td>FY14</td>
<td>$156</td>
<td>$145</td>
<td>$302</td>
<td>$156</td>
<td>$145</td>
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<tr>
<td>FY15</td>
<td>$165</td>
<td>$159</td>
<td>$324</td>
<td>$165</td>
<td>$159</td>
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<tr>
<td>FY16</td>
<td>$186</td>
<td>$160</td>
<td>$347</td>
<td>$186</td>
<td>$160</td>
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<tr>
<td>FY17</td>
<td>$195</td>
<td>$178</td>
<td>$373</td>
<td>$195</td>
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<td>FY18</td>
<td>$234</td>
<td>$158</td>
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<td>$256</td>
<td>$220</td>
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<tr>
<td>FY20</td>
<td>$270</td>
<td>$215</td>
<td>$485</td>
<td>$270</td>
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<tr>
<td>FY21</td>
<td>$272</td>
<td>$233</td>
<td>$505</td>
<td>$272</td>
<td>$233</td>
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<tr>
<td>FY22</td>
<td>$266</td>
<td>$297</td>
<td>$563</td>
<td>$266</td>
<td>$297</td>
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<tr>
<td>FY23</td>
<td>$273</td>
<td>$338</td>
<td>$611</td>
<td>$273</td>
<td>$338</td>
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</table>
National Recognition

- 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.

Jeffrey Blount, M.D.
Division Director, Pediatric Neurosurgery, UAB and Children’s of Alabama

Dr. Blount and team in Geneva, Switzerland before the World Health Assembly.
Mary Heersink Institute for Global Health Inaugural Symposium

• Sept. 28-29, 2023
Honoring Excellence in Science

- 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
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

• **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

• **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
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
Health Services Foundation Welcomes Cheri Canon

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
Spain Rehabilitation Center

• Anticipated completion date of Spring 2025
Cooper Green Mercy Health
Facilities
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
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

<table>
<thead>
<tr>
<th>Total Gifts</th>
<th>$65,373,619</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Planned Gifts</td>
<td>$11,456,566</td>
</tr>
<tr>
<td>Alumni Gifts</td>
<td>$10,652,641</td>
</tr>
<tr>
<td>Medical Scholarship Gifts</td>
<td>$5,158,496</td>
</tr>
</tbody>
</table>

| New Endowed Chairs and Professorships | 14 |
| New Scholarships Established         | 7  |
| Cumulative Endowed Chairs and Professorships | 241 |
| Cumulative Scholarships              | 153 |

Head family established the first professorship in the Department of Medical Education.
Heersink Gift Reaches $100 Million
Faculty & Staff Excellence
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
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
STATE of the SCHOOL

Questions?