

Our Department 2023

Seth Landefeld, MD, MACP, Professor and Chair

UAB Department of Medicine | @UABDeptMed on Twitter

March 15, 2023

Thanks
Hope
Belief

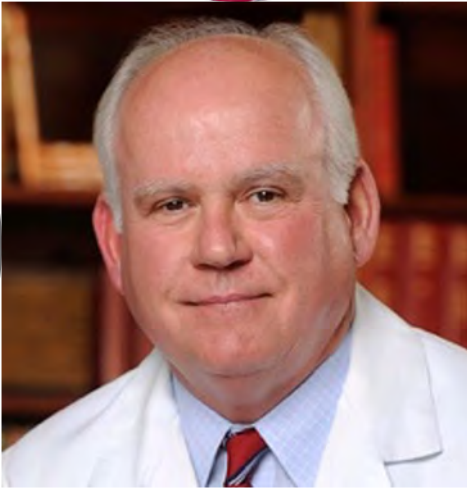


Our Mission

**To improve the health and well-being of society,
especially the citizens of Alabama, and to achieve
excellence in the education of physicians and scientists**

UAB MEDICINE

UAB HEERSINK
SCHOOL OF MEDICINE



#UABUnited

We work together, always care, do right and own it.
We care for patients, train physicians and scientists, and make discoveries.



WORK TOGETHER
STEP Clinic

*STEP: Stages Transitions
for Every Patient*

Young adults and
adolescents who transition to
UAB from COA with complex
chronic diseases



WORK TOGETHER

ABC Clinic: Treating Hepatitis A, B, and C

The interdisciplinary team:

- Sharon Harris, Patient Services
- DeAnn Jones, Pharmacy
- Brooke Little, APP
- David Fettig, GI/Hep
- Ricardo Franco, ID



WORK TOGETHER

Inpatient Glycemic Control Teams

- 7 APPs, 6 Fellows, 19 Faculty
- Reduced severe hyperglycemia by 54% and severe hypoglycemia by 64%
- Reduced mortality from 5.7% to 5.1% in patients with diabetes





ALWAYS CARE

New Primary Care Clinic at Cooper Green

ALWAYS CARE

Addiction Medicine Program

New interdisciplinary ACGME-certified fellowship program



ALWAYS CARE

Lifespan Comprehensive Sickle Cell Center

- 30th Anniversary this June
- Expanding services to include acute treatment in clinic
- New therapies
- 19 clinical trials





DO RIGHT

Colonoscopy for People without Insurance

- Alabama Department of Public Health grant
- Colonoscopy for 200 Cooper Green patients at high risk of colon cancer
- Patricia Ajayi-Fox, MD and Adam Edwards, MD (GI)
- Collaboration with Robert Hollis, MD, MSPH (Surgery)

DO RIGHT

Equal Access Birmingham Clinic

- Free Clinic
- Led and staffed by UAB Medical Students
- 16 DOM faculty preceptors
- Sponsored by Departments of Medicine and Surgery, and others



DO RIGHT

Health Equity Scholars Program

Led by Caroline Harada, MD, with Libby Van Gerwen, MD, MPH & Nick Van Wagoner, MD, PhD





JAMA | Original Investigation

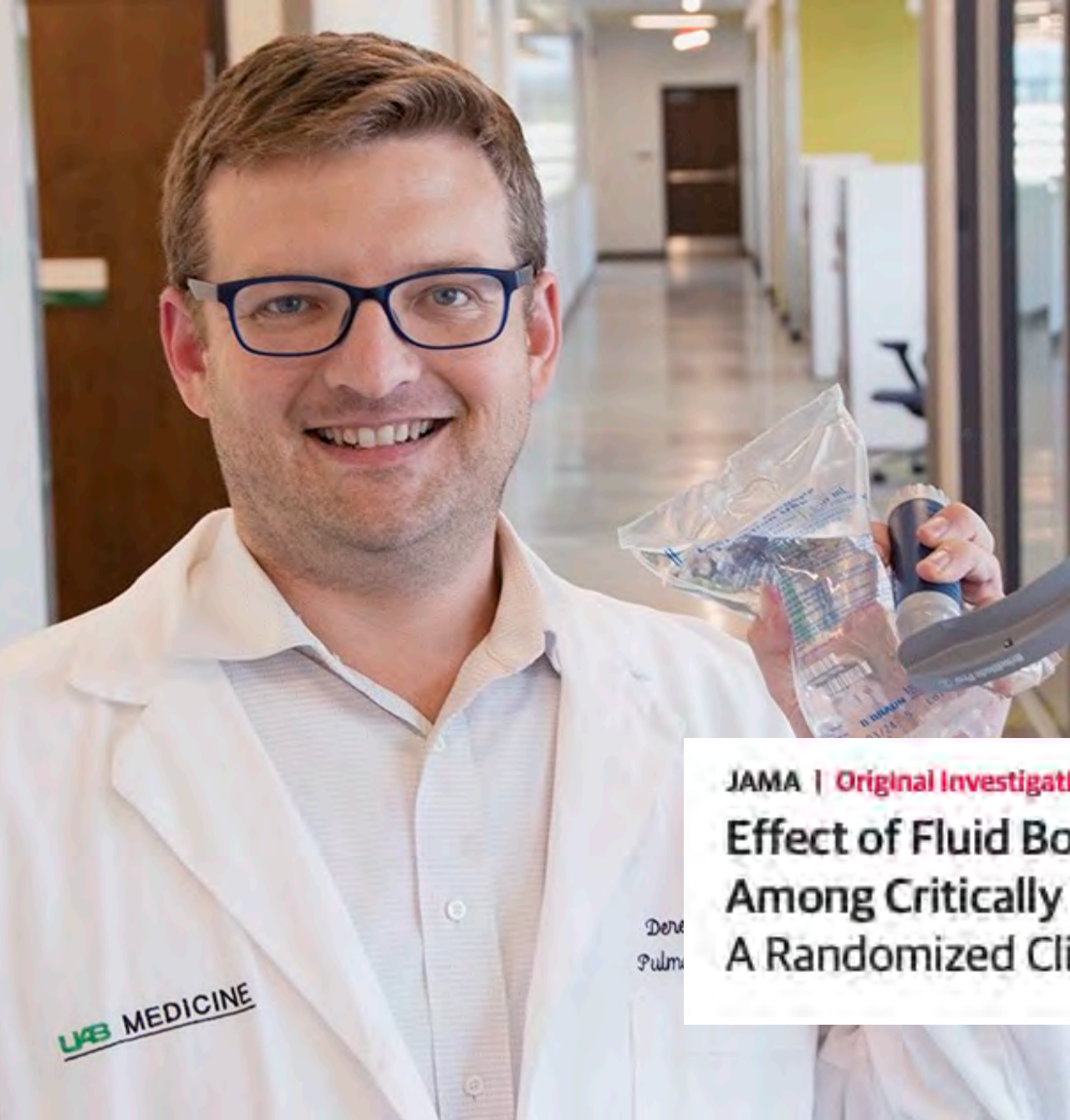
Association of Transthyretin Val122Ile Variant With Incident Heart Failure Among Black Individuals

JAMA April 12, 2022 Volume 327, Number 14

OWN IT

Cardiogenomics Clinic

- Led by Pankaj Arora, MD
- Only two clinics in the Southeast
- UAB CARBON: Cardiovascular Research Biobank



OWN IT

Does a Fluid Bolus Help Patients Undergoing Intubation?

The standard practice does not prevent cardiovascular collapse.

JAMA | **Original Investigation**

**Effect of Fluid Bolus Administration on Cardiovascular Collapse Among Critically Ill Patients Undergoing Tracheal Intubation
A Randomized Clinical Trial**

JAMA July 19, 2022 Volume 328, Number 3

OWN IT

Developing Emerging Administrative Leaders [DEAL]



OWN IT

2022 Leadership Retreat: Targeted 6 Goals

COMPLETED

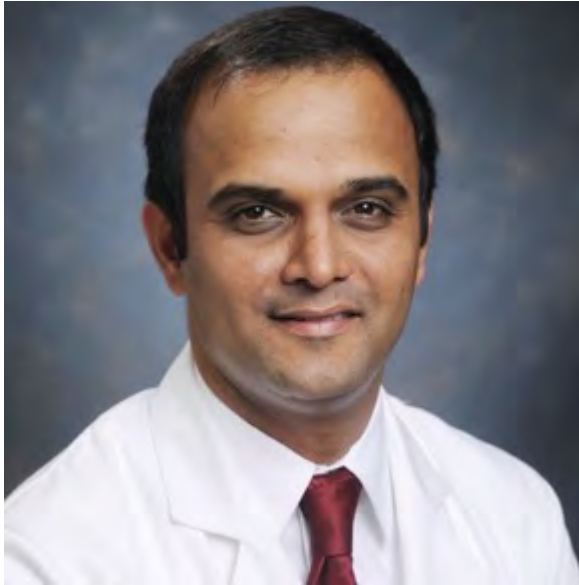
- Assure equitable compensation for women and people who are historically underrepresented
- Establish Research Acceleration Fund for faculty PIs with >75% support on grants

IN PROGRESS

- Ensure ACGME-mandated support for Fellowship Program Directors and Staff
- Provide Flexible Work Environment
- Transparent, Fair Compensation Plans
- Improve Gap Management: Pilot in Rheumatology

AWARDS & ACCOLADES

National Recognition as Physician-Investigators



Surya Bhatt, MD
**American Society for
Clinical Investigation**



Anath Shalev, MD
**American Association
of Physicians**



AWARDS & ACCOLADES

Vilcek-Gold Award for Humanism in Healthcare

Mona Fouad, M.D., MPH

Improved public health by leading work to eliminate health and health care disparities

AWARDS & ACCOLADES

HSOM Featured Discoveries



Matthew Cheung & Elise Erman

JCI Insight

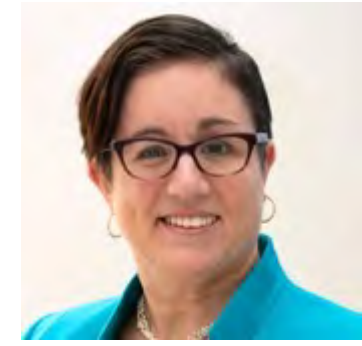
Resident macrophage subpopulations occupy distinct microenvironments in the kidney (co-first authors, mentored by Agarwal/George)



Vibhu Parcha & Pankaj Arora

JAMA

Transthyretin val122Ile variant is associated with heart failure among Blacks (first & senior authors)



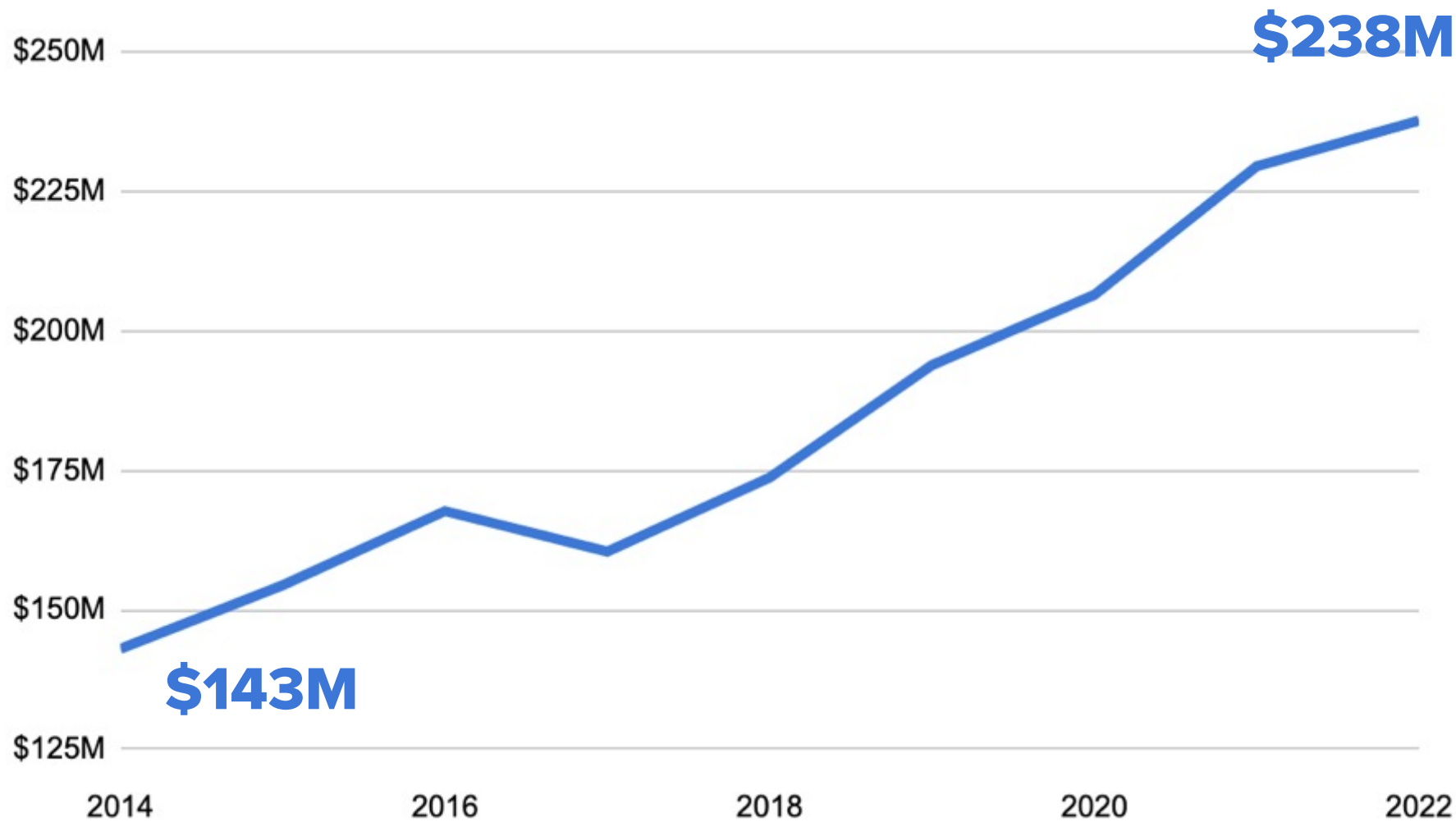
Julie Kanter

NEJM

LentiGlobin gene therapy for sickle cell disease reduced hemolysis and resolved severe vaso-occlusive events

DOM Data Snapshots

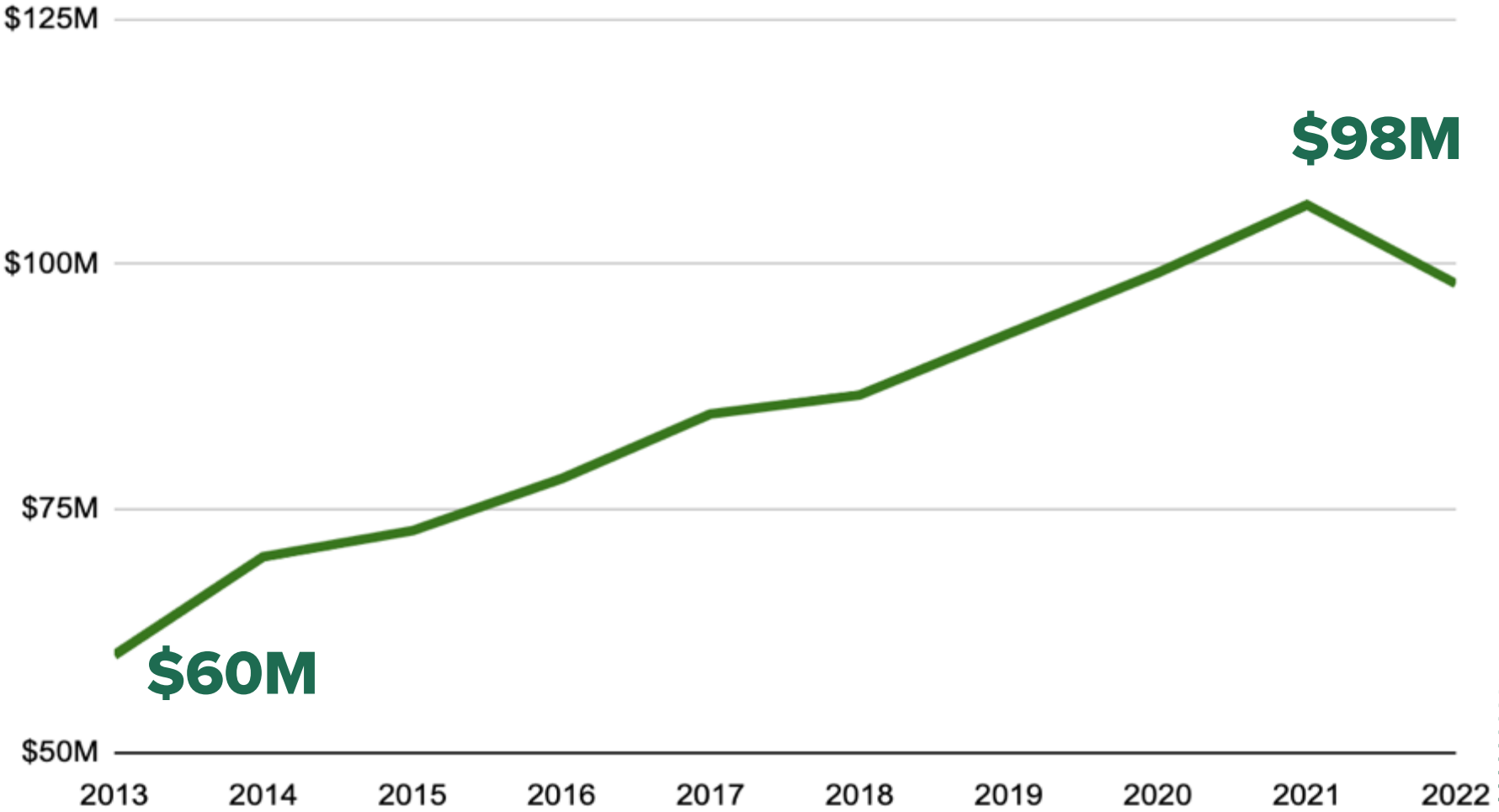
Research: Total Awards



**TOTAL
AWARDS**

66%
INCREASE

Research: NIH Awards



NIH
AWARDS

63%
INCREASE

\$98M

NIH FUNDING

\$72M

OTHER RESEARCH FUNDING

#21

FY22 NIH RANKING
DEPARTMENTS OF MEDICINE

113

NIH-FUNDED PIs

25

K AWARDS

85

R01 AWARDS



SNAPSHOT
Research



SNAPSHOT Education

98%

ABIM PASS RATE
3 YEAR AVERAGE

12

ARGUS AWARDEES

130

RESIDENTS
IM / MED-PEDS / MED-GEN

6

ABIM RESEARCH
PATHWAY

114

ACGME SUBSPECIALTY
FELLOWS IN 17 PROGRAMS

230%

INCREASE IN # FELLOWS WHO ARE
URIM, 2016 → 2022

22,737

INPATIENTS

356,237

CLINIC PATIENTS

4,000

INPATIENT eCONSULTS TO
RURAL HOSPITALS
(NEPHROLOGY, ID, CVD, CRIT)

37,731

eMEDICINE
VISITS

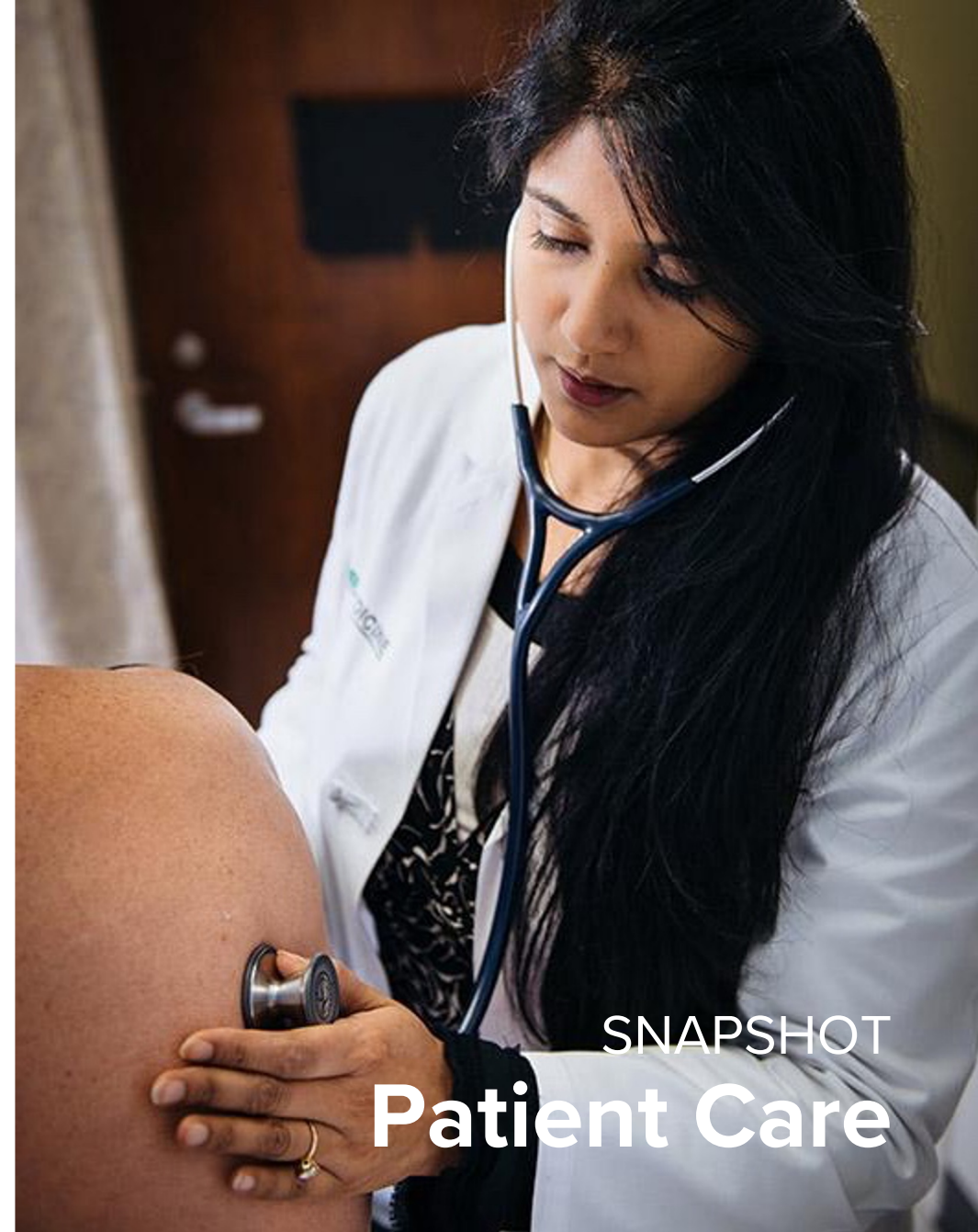
2,614

TELE-ICU ENCOUNTERS
FOR 11 HOSPITALS

5,153

INTENSIVE CARE UNIT PATIENTS:
BMT, CCU, CPCC, HTICU, MICU

Data are CY2022



SNAPSHOT
Patient Care

547

TOTAL FACULTY

50

NEW FACULTY

8

DEAN'S EXCELLENCE
AWARDS

27

PROMOTED TO PROFESSOR
OR ASSOCIATE PROFESSOR
+ 11 Awards of Tenure

1,190

STAFF

6

DOM STAR AWARDS
CELEBRATING STAFF in 2022



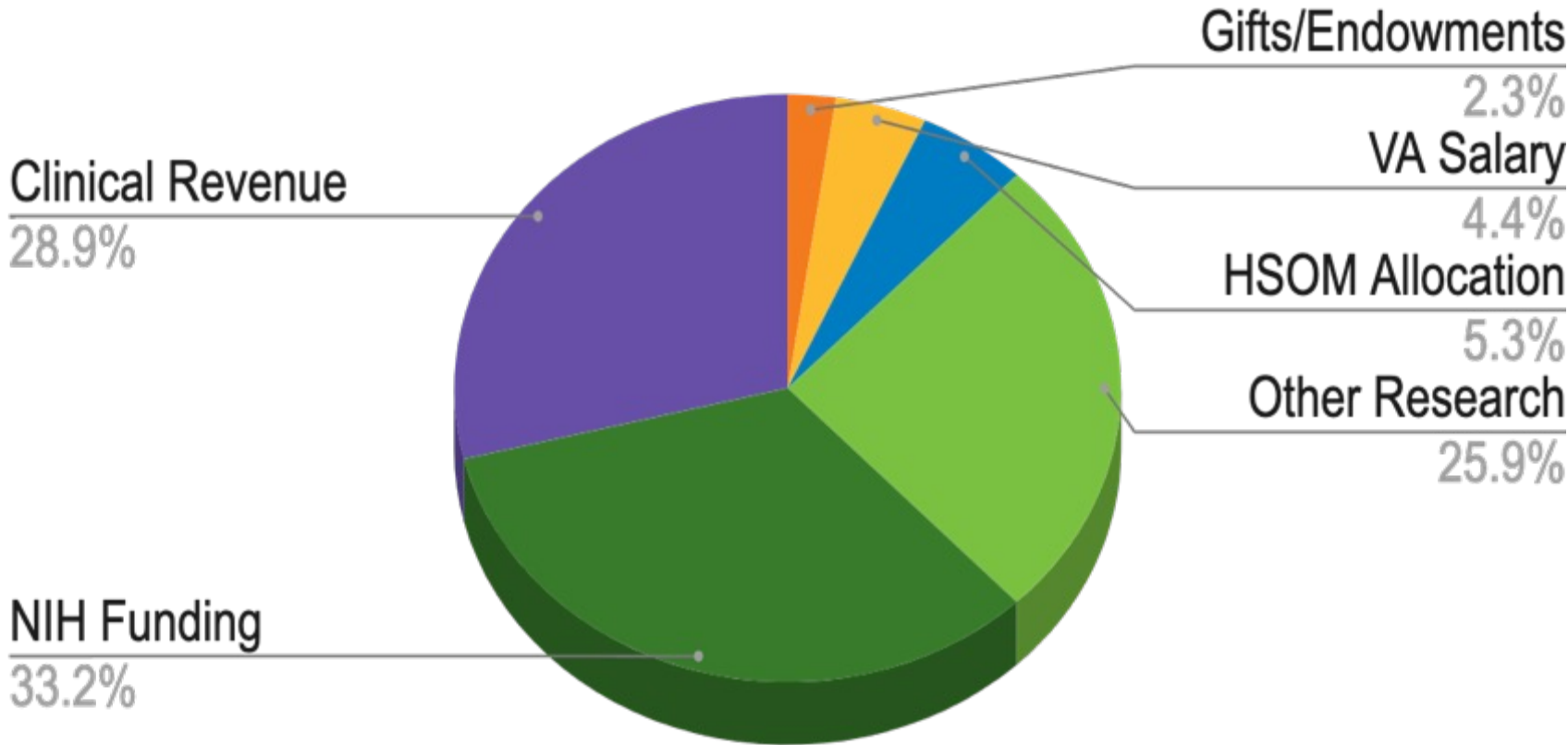
SNAPSHOT
People

2022 DOM STARS: Staff Excellence Awardees

Angela Thomas (Pulm), Wayne Duck (GI), Jamie White (ID), Corene Knight (ID), and Aquila Brown-Galvan (Prev Med).



FY22 Income Sources



\$281M

2022 REVENUE

- \$6.5M**
GIFTS/ENDOWMENTS
- \$12.5M**
VA SALARY
- \$15.0M**
HSOM ALLOCATION
- \$93.5M**
CLINICAL REVENUE
- \$166.2M**
TOTAL RESEARCH
FUNDING (OTHER + NIH)

DOM HSF Finances FY22

Clinical Revenue	\$81,290,451
Expenses	\$80,181,217
Faculty Clinical Salary and Benefits	\$68,300,884 (85%)
Faculty Professional Expense	\$1,414,200 (2%)
Education (Residency & Fellowship Expenses)	\$730,982 (1%)
Research	\$862,765 (1%)
Endowment Funding	\$1,480,000 (2%)
Dept/Div Admin	\$3,735,243 (5%)
Taxes (Academic Enrichment Fund & HSF)	\$3,488,831 (4%)
Other	\$168,312 (0.2%)
Net Investment Income	(\$1,498,565)
Net Profit	(\$389,330)

Excludes expenses reimbursed by FF

SNAPSHOT

Philanthropic Partnerships

- \$3.5M in cash & planned gifts from 436 unique donors in 29 states & Canada
- Inaugural Bill & Methyl Caudill Endowed Lectureship in Cardiovascular Medicine



Welcome New Leaders



**Renee
Heffron, PhD**

**Director,
Center for AIDS
Research**



**Bassel
El-Rayes, MD**

**Director,
Hematology and Oncology**

**Deputy Director,
O'Neal Comprehensive
Cancer Center**



**Nicole
Lohr, MD, PhD**

**Director,
CV Disease**

Co-Director, CVI

Director, CCVC



**Ken
Boockvar, MD**

**Director,
Gerontology, Geriatrics &
Palliative Care**

**Director, Integrative Center
for Aging Research**



**Andrea
Cherrington, MD, MPH**

**Interim Director,
Preventive Medicine**

We Remember



C. Kirk Avent, MD

Professor, 1970-2003

Infectious Diseases
& Clerkship Director



Jim Bonner, MD

Professor, 1982-2007

Rheumatology/Pulmonary



Dr. Durwood Bradley

Professor, 1969-2001

Pulmonary/Critical Care
& TKC Chief of Staff



Ed Khan, MD

Instructor, 2004-2012

Infectious Diseases
& JCDH Medical Director
for Disease Control

DOM Division Highlights

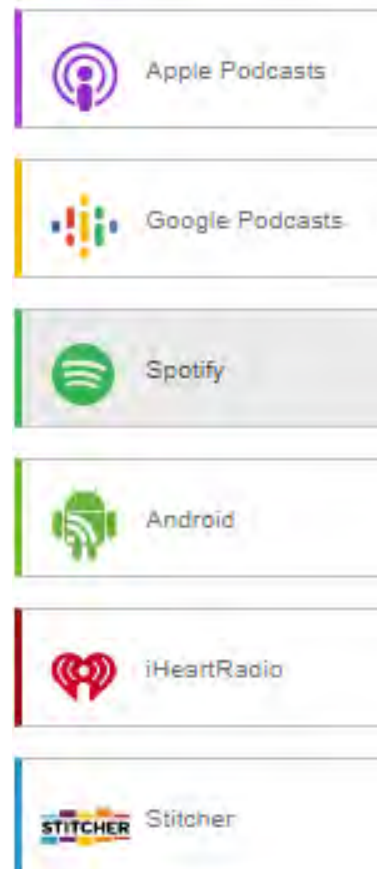
Rare Genetic Kidney Disease Clinic

- Ease of genetic testing dramatically improves diagnosis of rare disease.
- Clinic founded on our expertise in Fabry Disease.
- 5 half-day clinics per month dedicated to rare genetic kidney disease
- Services
 - Genetic testing for patients with family history of kidney disease
 - Family screening
 - Management of these highly complex and multisystemic diseases
 - Diagnosis assistance in patients with kidney disease/electrolyte abnormalities and/or unexplained multisystemic disease
 - Contact Eric Wallace elwallace@uabmc.edu
- Clinical Trial site for multiple clinical trials related to the treatment of these diseases



“CardioNerds” Podcast Episode #260

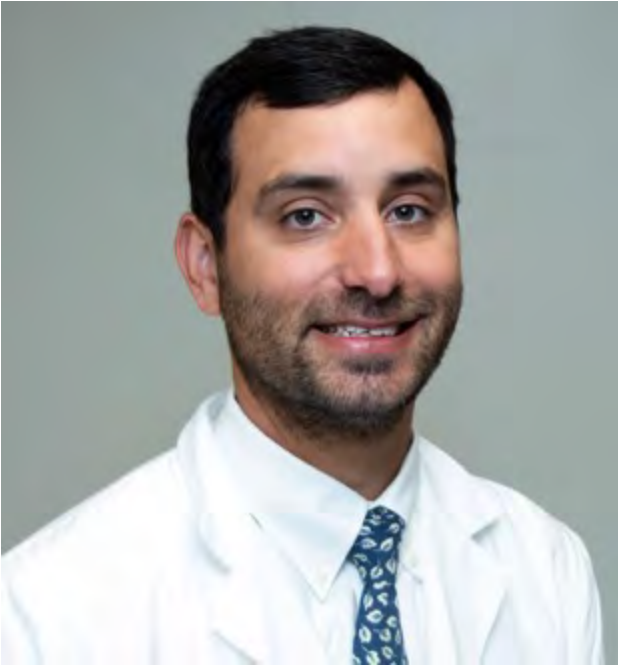
Streaming on the following platforms:



Featuring Dr. Usman Hasnie, Dr. Will Morgan and Dr. Neal Miller

Research Development in Cardiovascular Medicine

Early Career Awardees and New Independent Investigator



Stephen Clarkson, MD
AHA
Career Development



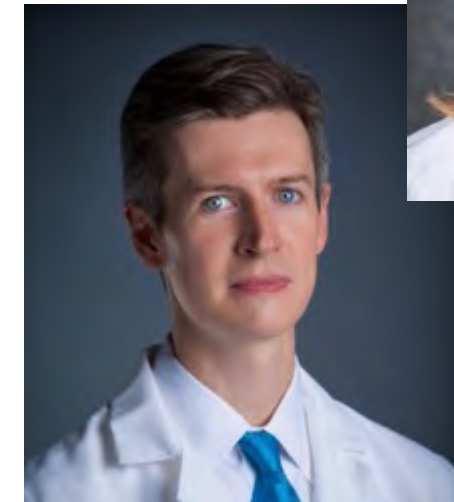
Gregory Payne, MD PhD
VA
Merit Award: BLR&D



Prabhat Ranjan PhD
AHA
Career Development

Advanced Communication Training (ACT)

- Supported by an HSF-General Endowment Fund grant
- 35 clinicians trained, including 11 APPs
 - 18 subspecialties: Cardiac Critical Care, Cardiology, Geriatrics, GIM, Hepatology, HPM, Hospital Medicine, Infectious Disease, Neonatology, Nephrology, Neurology, OB/GYN, Oncology, Pediatric Critical Care, Pediatric HPM, Pediatric Oncology, Pulmonary.
 - Degrees: MD, DNP, CRNP, PhD, MSN, MSHA, MA, MMM, MBBS, MSPH
- Partnered with VitalTalk, the premier training organization for clinicians seeking to advance their communication skills.
 - Dr. Barnett is “distinguished faculty”
Drs. Kezar and Nichols are “senior faculty”
 - Dr. Nichols honored with the Faculty Leadership Award, recognizing her passion, leadership, and dedication to teaching with VitalTalk.
- Next training: 4/25 afternoon for subspecialty fellows and APPs



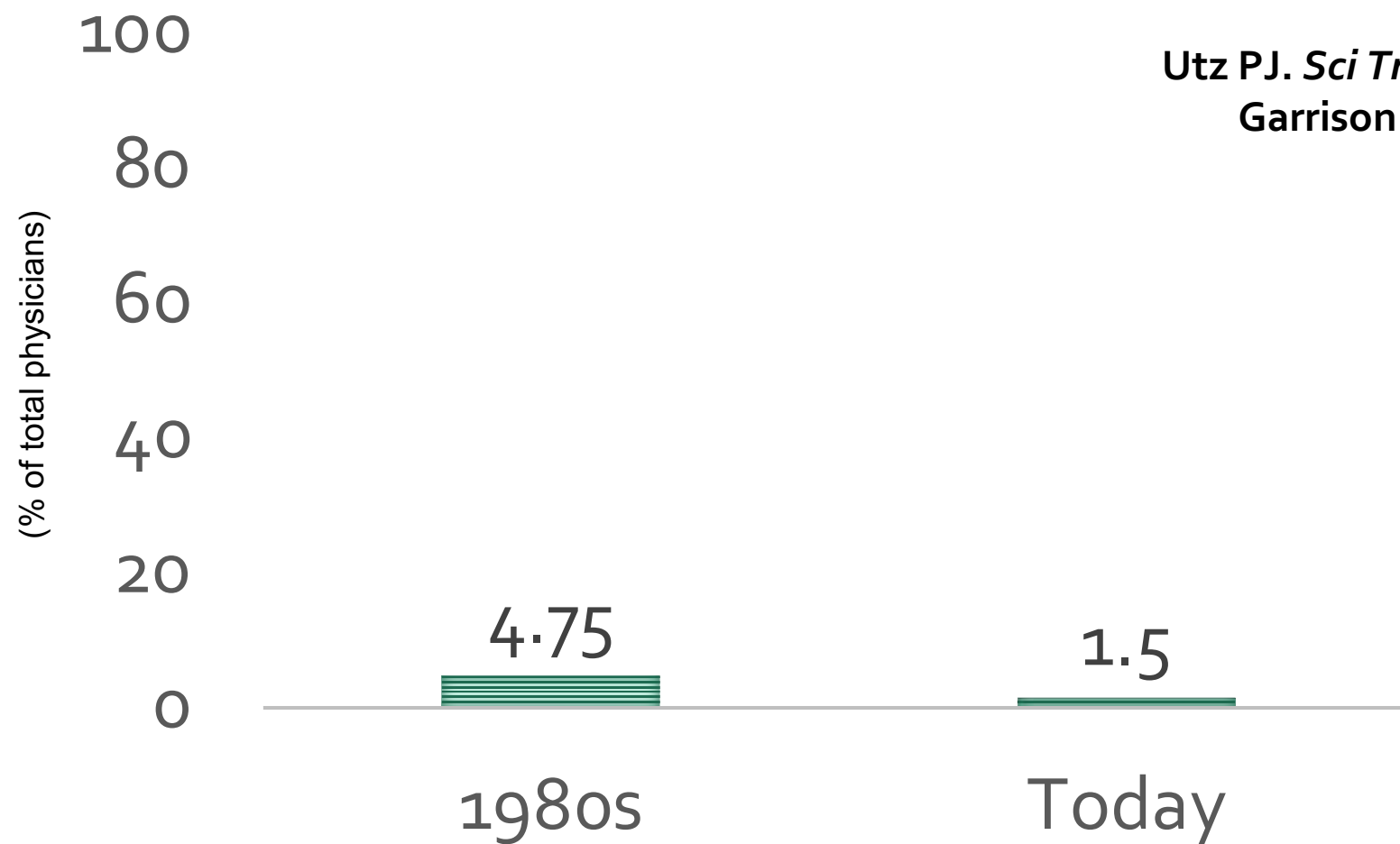
Scan QR code for signup →

Southern Society of General Internal Medicine

- February 2023 Southern Regional SGIM Meeting in NOLA
- Pre-Course POCUS for the General Internist – Black, Marshall, Melancon
- Update in Chronic Pain Management – Leisch
- Plenary –Williams, Kertesz
- Workshops – Stein, Eckenrode, Black, Steinhilber, Estrada
- Oral presentations – Girard, Murthy, Melancon, Carman, Steinhilber, Aldana (MS4), Chandler (MS4), Garber, Roman
- 34 UAB people over dinner!



Physician-Scientists in Workforce



Utz PJ. *Sci Transl Med.* 2022;14:eabg7852
Garrison HH. *FASEB J.* 2014;28, 1049

Early Career Investigator Lesley Jackson, MD

- Outstanding early career Outcomes and Health Disparities researcher focused on preventive healthcare and vaccine hesitancy in inflammatory arthritis
- Frommeyer Fellow, Rheumatology Research Foundation Investigator Awardee
- 2021 American College of Rheumatology Distinguished Fellow
- Member of ACR committees on Global Health & Governmental Affairs, selected as ACR-EULAR fellow

UAB @ #ACR22

Virtual Moderator

Global Meet the Experts:
Idiopathic Inflammatory Myositis



ACRConvergenceToday.org

Poster Spotlight:
Lesley Jackson, MD



Development, Refinement, and Validation of an Emergency Department Gout Flare Electronic Medical Record Alert

AMERICAN COLLEGE of RHEUMATOLOGY
Empowering Rheumatology Professionals

Congratulations to the 2021 Distinguished Fellow Award Recipients!

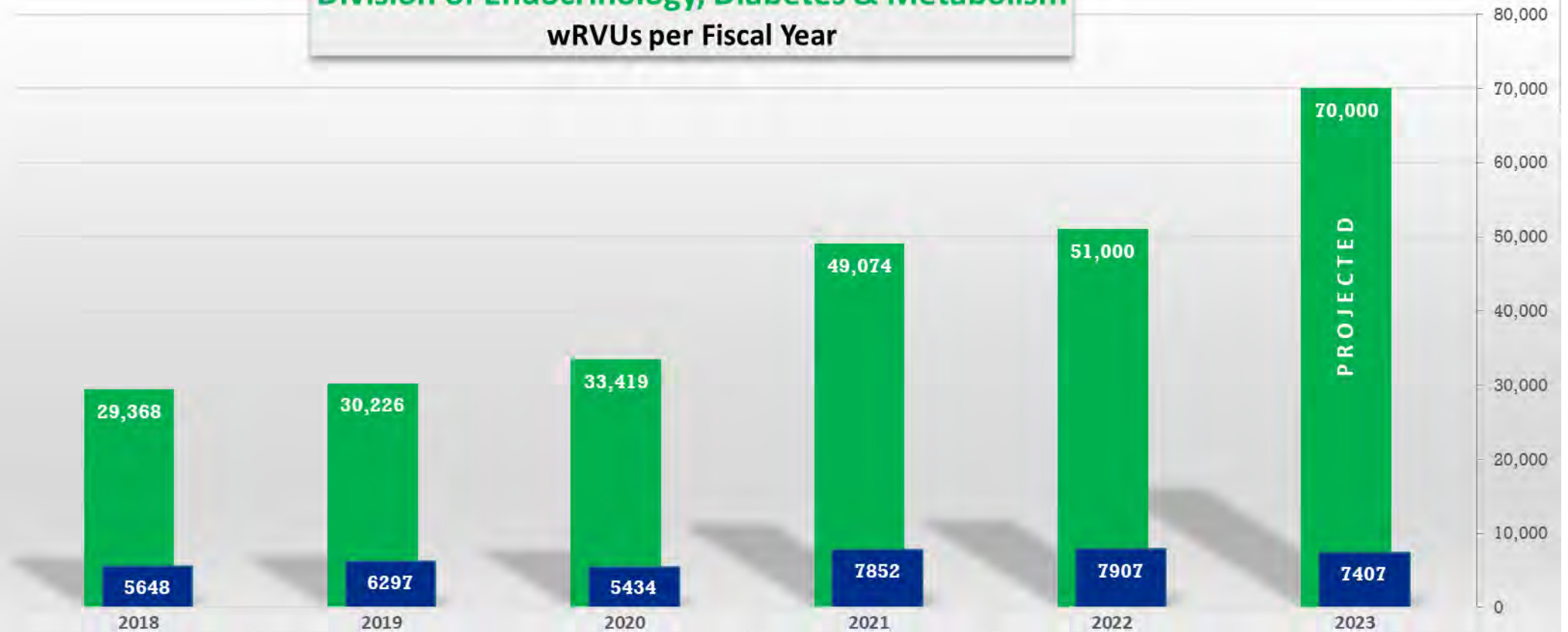


Lesley Jackson, MD



Division of Endocrinology, Diabetes & Metabolism

wRVUs per Fiscal Year



	2018	2019	2020	2021	2022	2023
# Clinical Faculty	10	10	10	10	11	14
# cFTE	5.2	4.8	6.15	6.25	6.45	9.45
wRVUs	29,368	30,226	33,419	49,074	51,000	70,000
wRVU per cFTE	5648	6297	5434	7852	7907	7407

53 Hem/Onc Faculty: 16 Countries and 12 States



9 New Faculty in 2022 >> 5 Female, 4 URM



Mehmet Akce, MD
Associate Professor



Julianne Carstens, PhD
Assistant Professor



Bassel El-Rayes, MD
Professor & Director



Manuel Espinoza Gutarra, MD
Assistant Professor



Najibah Galadanci, PhD, MD
Assistant Professor



**Purnachandra
Nagaraju Ganji, PhD**
Assistant Professor



Claudia Hardy, MPA
Instructor



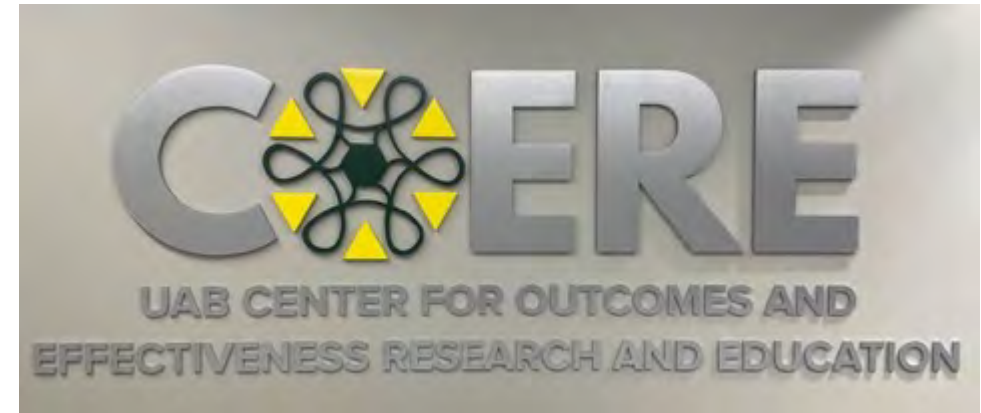
Nusrat Jahan, MD
Assistant Professor



Calia Morais, PhD
Assistant Professor



Van Der Pol Green Lab



COERE space completed and
Stu Frank conference room dedication



ID & Birmingham District Brewery Fundraiser for
Equal Access Birmingham



Women in Gastroenterology & Hepatology



Patricia Ajayi-Fox, MD
Assistant Professor
General GI, CRC Disparities



Katie Alexander, PhD
Assistant Professor
Cancer, Mucosal Immunology



Amanda Cartee, MD
Assistant Professor
Celiac Disease



Meagan Gray, MD
Assistant Professor
NAFLD, NASH



Anam Hameed, MD
Assistant Professor
General GI, Motility



Qing Zhao, PhD
Assistant Professor
IBD, Mucosal Immunology



Ginger deGravelle, MD
PGY6



Rachel Taylor, MD
PGY6



Avery Chisholm, MD
PGY4



Priya Nethala, MD
PGY4



Lindsey Shipley, MD
PGY4



Beth Terry, MD
PGY4

Renovation of Basil Hirschowitz Endoscopy Center



Ali Ahmed, MD
Assistant Professor



Kondal Kyanam, MD
Associate Professor



Ramzi Mulki, MD
Assistant Professor



Shajan Peter, MD
Associate Professor



Sergio Sanchez-Luna, MD
Assistant Professor



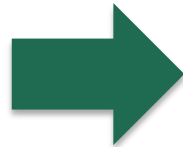
Kelley Williams, MSN, RN, NE-BC
Senior Director
Ambulatory Services

ENRICH: Early Intervention to Promote Cardiovascular Health of Mothers and Children



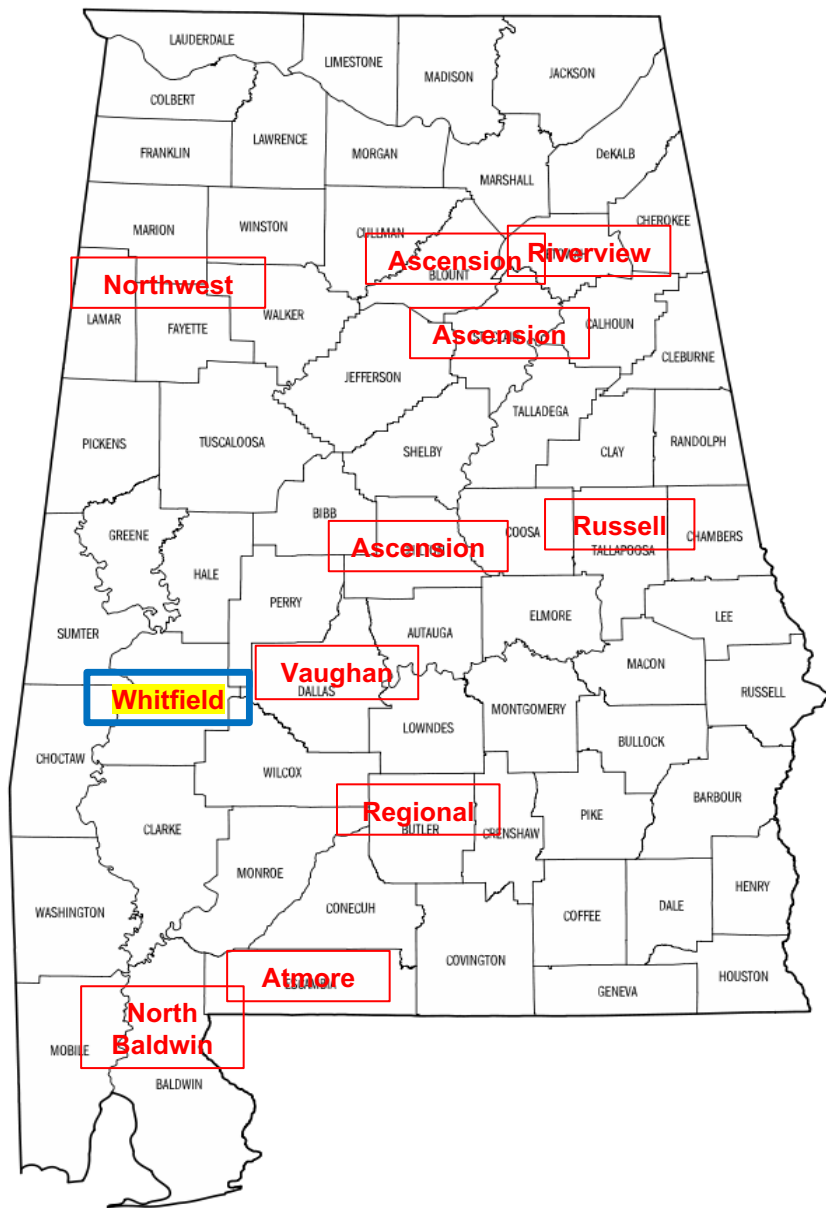
To develop and evaluate a cardiovascular health intervention delivered within the context of home visiting programs to improve maternal and child outcomes

UAB SOM
Dr. Levi Watkins, Jr.
Breakthrough Award
\$100,000

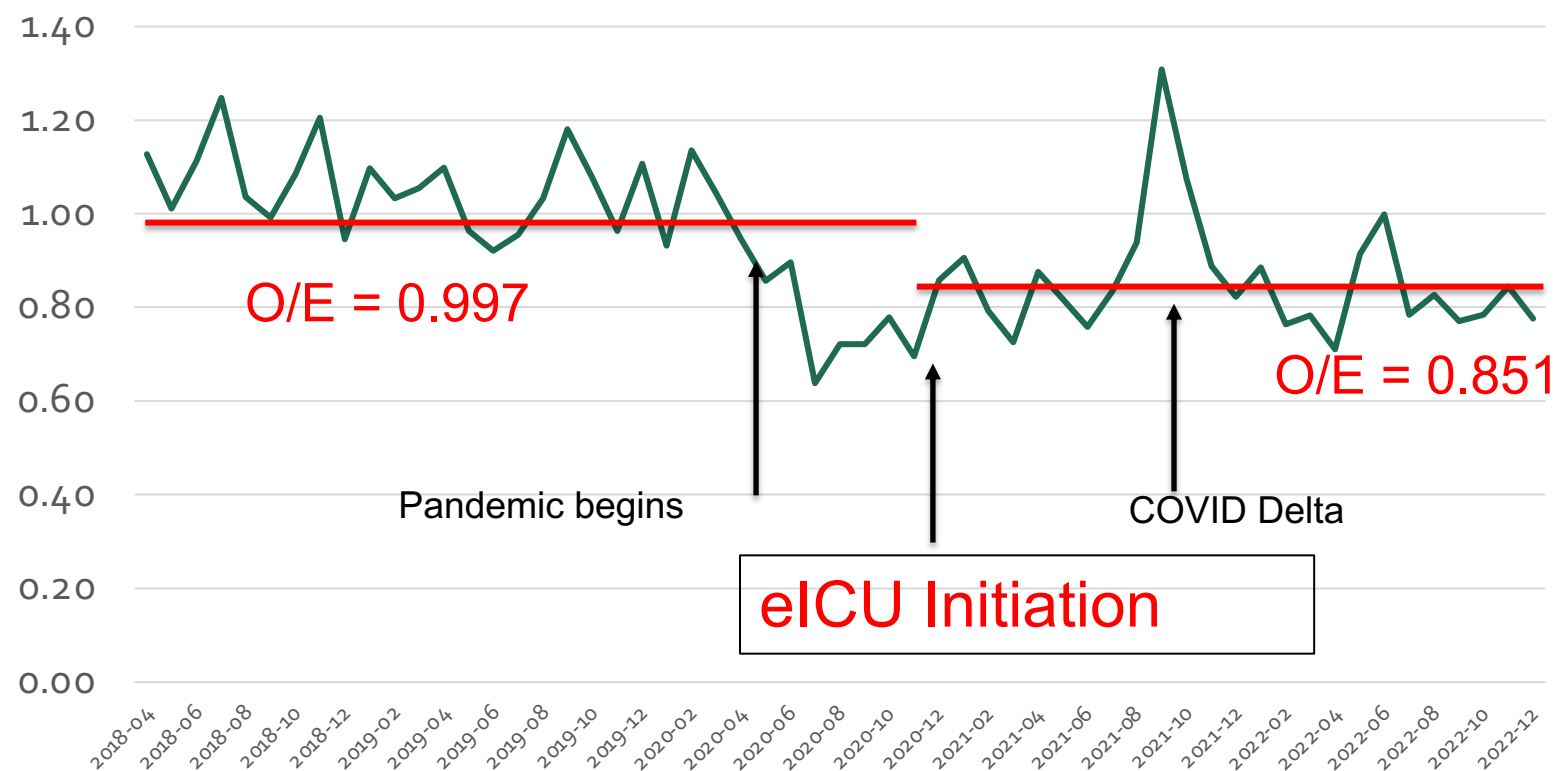


NHLBI
UG3HL162973
\$5,791,500

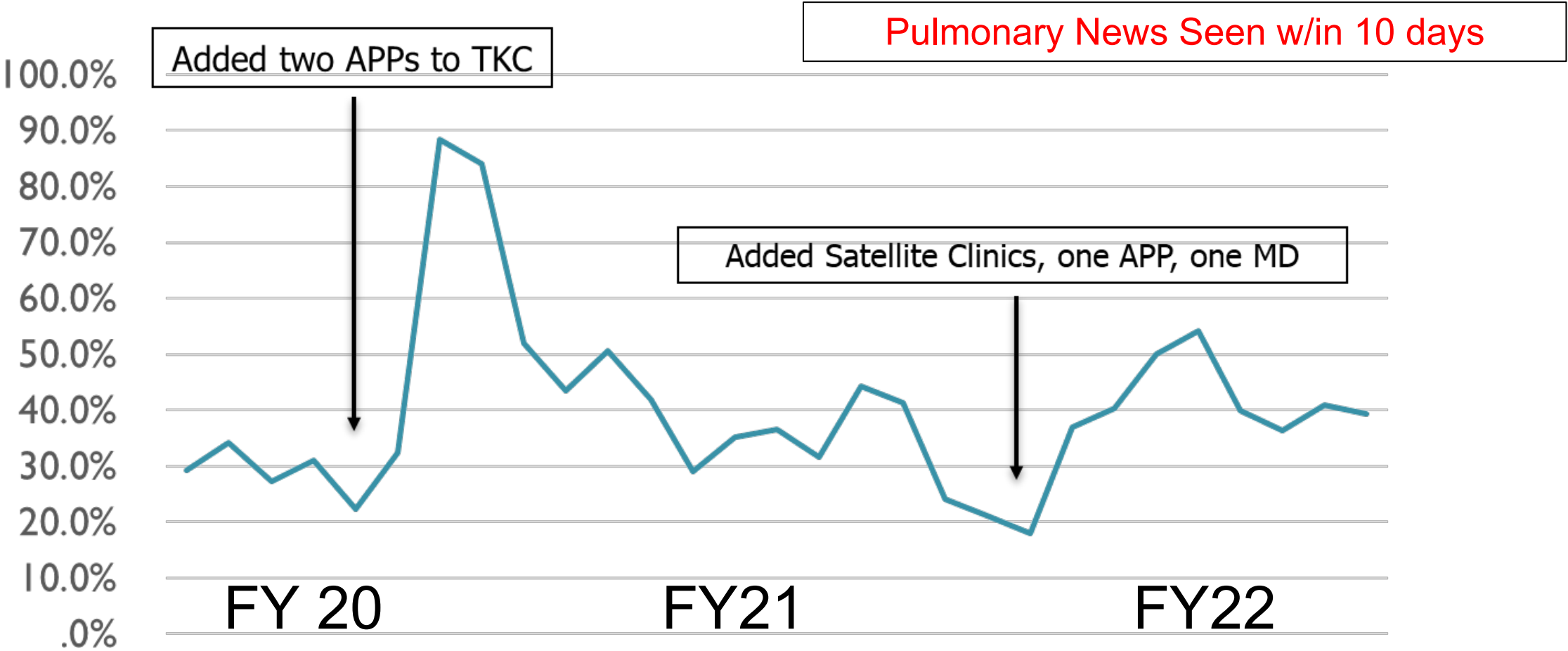




Expanding Our Impact: Tele, eICU, and Clinic Access




Expanding Our Impact: Tele, eICU, and Clinic Access



DOM: Our Path Ahead

Prediction is Difficult

1. Life is very different than we imagined
2. chatGPT was born
3. Dr. Selwyn Vickers went to New York
4. Amazon and CVS entered the Birmingham medical market
5. US District Court prevented enforcement of SB 184 Section 4(a)
6. US Supreme Court overturned Roe v. Wade
7. Ukraine survives the Russian onslaught
8. AP ranks Alabama Men's Basketball #1
9. Banks are failing ... again
10. Ted Lasso Season 3 premieres tonight

A person with a backpack is hiking away from the camera on a narrow dirt trail through a forest. The sun is low in the sky, creating a warm, golden glow and long shadows. The trail is flanked by tall grass and dense trees.

We Create Our Future Together

*Traveler, there is no path.
The path is made by walking...*
Antonio Machado, Campos de Castilla

Our Path: Who We Are

- We care for our people.
 - In 10 years:
 - Our people are well, not burned out.
 - UAB DOM is where people want to work – no shortages!
- We are representative and welcoming.
 - In 10 years:
 - We look like our community. All feel welcome here.

Our Path: What We Do

We meet the needs of our community:

- We train great doctors to care for Alabama and the world.
- We answer big questions to make discoveries that will prevent and treat disease, relieve suffering, and improve health.
- We care well for our patients and for our community.

What will our world look like in 10 Years?

In 10 years:

- Education: Our physicians meet Alabama's needs and are sought by all.
- Research: Our discoveries improve health and extend lives. Our scientists are lauded and rewarded.
- Care: People around the world seek care at UAB.
- Service: Our community is healthy – no disparities, no unnecessary deaths.

2023: We Will Care for Our People

1. Wellness Task Force

- A Report to our faculty and staff
- Recommended actions will be shared and completed

2. Clinical Compensation Plans

- Completed
- Shared and Understood
- Implemented

2023: We Will Grow in Representation and Welcome

1. Our Second Vice Chair for Diversity, Equity, and Inclusion

- Appointed
- Build a team
- Report to DOM
- Action steps to build our community

2. Review and maintain salary equity

3. Sustain Search and Recruitment processes to advance diversity

4. Keep building onboarding

2023: We Will Train Great Doctors and Scientists

- **Address the question, How can Alabama's gap of 1,000 Internal Medicine Generalists and Specialists be filled?**
- **Grow the next generation of MD and PhD scientists**
 - Research Faculty Awards Program
 - Mentoring Program for Research-intensive Faculty
 - Invest in and Increase NIH T and K Awards

2023: We Will Make Big Discoveries

- **We invest in our established scientists**
 - Clear expectations for support from UAB and for extramural funding
 - Create commons and communities
 - Increase extramural funding
- **We grow our vibrant scientific community:
10 additional NIH-funded faculty/year**
 - Develop new scientists
 - Nurture R, P, and U grants
 - Recruit established scientists

2023: People Will Seek Care from UAB

- **Work with UAB Medicine to build capacity**
 - Additional beds, Cancer Hospital
 - Care for people who don't need acute care
- **Plan for the new UAB MedWest**
- **Expand treatment for CV Disease and Cancer**
 - Work with signature service lines
- **Diagnose and Treat Long-COVID**
 - RECOVER Program

2023: : Improve the health of Alabama and beyond

- **Reduce HIV Transmission in Alabama**
 - CFAR leads HIV Care and Prevention
- **Cut deaths from addiction**
 - Addiction Medicine Fellowship
- **Care for people who were imprisoned**
 - EJI Health, Montgomery
- **Reduce health disparities**
 - FORGE AHEAD Center (formerly Deep South Center to Reduce Disparities: Diabetes, Hypertension, Obesity, Cancer)



Thank
You