

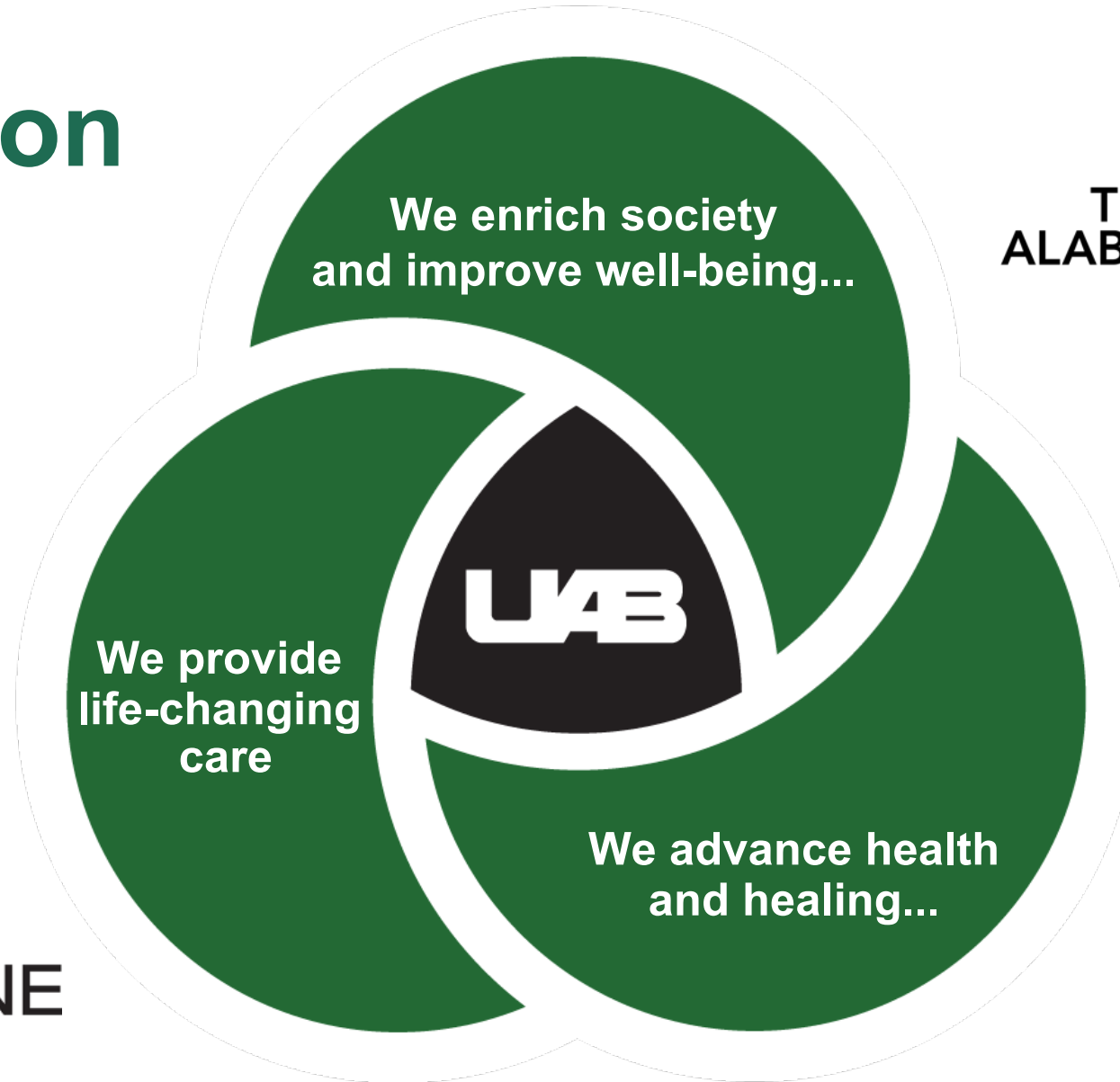
Our Department 2024

Seth Landefeld, MD, MACP, Professor and Chair

UAB Department of Medicine | @UABDeptMed on X (Twitter)

February 14, 2024

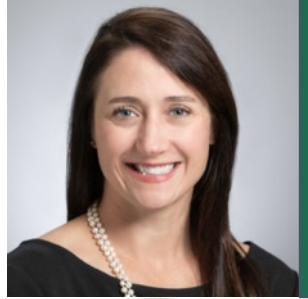
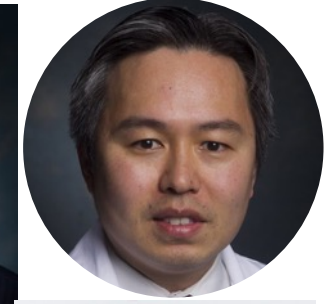
Our Mission



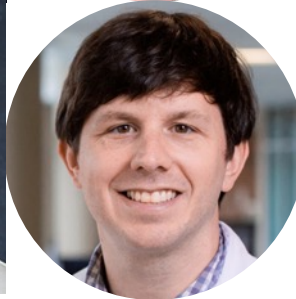
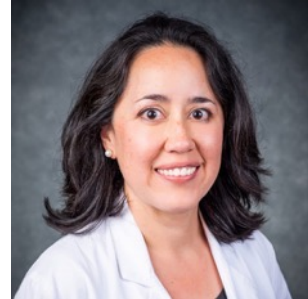
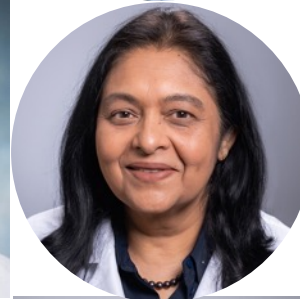
UAB
THE UNIVERSITY OF
ALABAMA AT BIRMINGHAM.

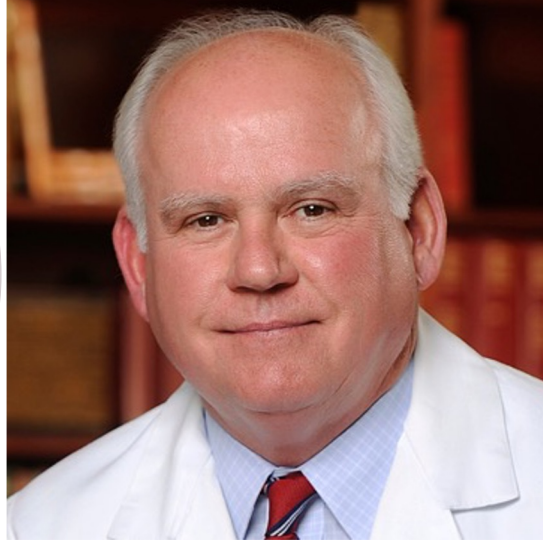
UAB MEDICINE

UAB
HEERSINK
SCHOOL OF MEDICINE



Our Diverse
Department





Our Leaders

Dawn Bulgarella,
MSHA, CPA

Anupam Agarwal, M.D.

Cheri Canon, M.D.

Tony Jones, M.D.

Ray Watts, M.D.

Lou Baverso

Our New DOM Leaders — Welcome!



**Andrea Cherrington,
M.D., MPH**

Interim Director,
Preventive Medicine



**Martin
Rodriguez, M.D.**

Interim Director,
Infectious Diseases



**Erin
Snyder, M.D.**

Interim Director,
General Internal
Medicine

UAB Medicine
Ambulatory Chief
Clinical Officer



**Erica Stringer-
Reasor, M.D.**

Vice Chair for
Diversity, Equity and
Inclusion



**Brian
Davis, Ph.D.**

Director,
Gregory Fleming
James Cystic Fibrosis
Research Center

In Memory of Our Departed Faculty



Vicki Johnson, M.D.

Tenure 1990-2022

Professor,
Infectious Diseases



Jim Taylor, M.D.

Tenure 1974-2013

Professor,
Cardiovascular Disease



Larry Bradley, Ph.D.

Tenure, 1989-2018

Professor,
Clinical Immunology &
Rheumatology

UAB THE UNIVERSITY OF
ALABAMA AT BIRMINGHAM.

Celebrating Our Wins

We Achieved Our Goals

- ✓ Completed the Wellness Task Force, founded a permanent Wellness Council
- ✓ We recruited 5 New Leaders
- ✓ Monitored and advanced salary equity for staff and faculty
 - The School completed its gender equity study
 - DOM review of PhD salaries to assure equity
 - Funded educational leadership roles for faculty and staff
- ✓ Increased access to clinical programs: More than 50 new faculty & APPs
- ✓ Committed \$12 million in Research Development Funds to faculty
- ✓ Started the Research Awards Program for Faculty with >75% funded effort

22,414

PATIENTS IN HOSPITAL

394,725

PATIENTS IN CLINICS
▲ 10%

2,716

TELE-ICU ENCOUNTERS
FOR 11 HOSPITALS

31,105

eMEDICINE
VISITS

1,198

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

4,909

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

Data are CY2023



Patients

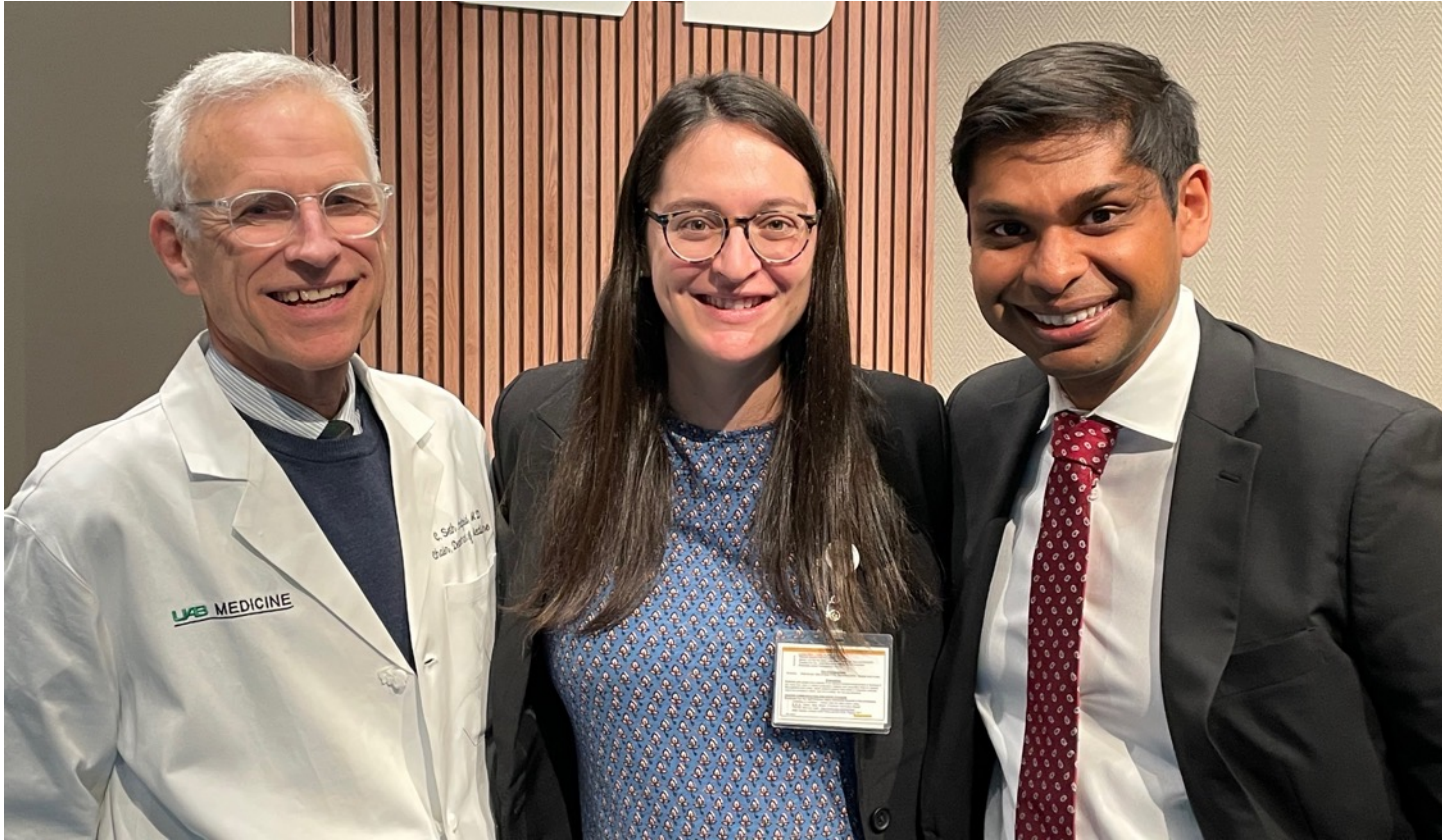
Double-Transplant Patient Safely Delivers Baby



Joanna Joly, M.D.
Cardiovascular Disease/
High-risk Obstetrics

Brooke and Adam Lillie hold their daughter, Lauren, in the UAB Continuing Care Nursery

Faculty Join Equal Justice Initiative to Care for Alabamians after Incarceration



Margaret Hayden, M.D.
Sanjay Kishore, M.D.

General Internal Medicine,
Montgomery Campus

- Bold plan to cure Hepatitis C
- Mobile outreach across Alabama

Advanced Endoscopy Suite Opens on JT6



**Kondal
Kyanam, M.D.**
Gastroenterology/
Hepatology
Advanced Endoscopy

Complex and new procedures:

- Bariatric endoscopy
- POEM
- Stents and drains

112

NIH-FUNDED
INVESTIGATORS

\$103M

NIH FUNDING

#20

FY23 NIH RANK

838

GRANT APPLICATIONS

23

K AWARDS

66

R01 AWARDS



Research

Research Awards Program: \$650K to 60 Faculty

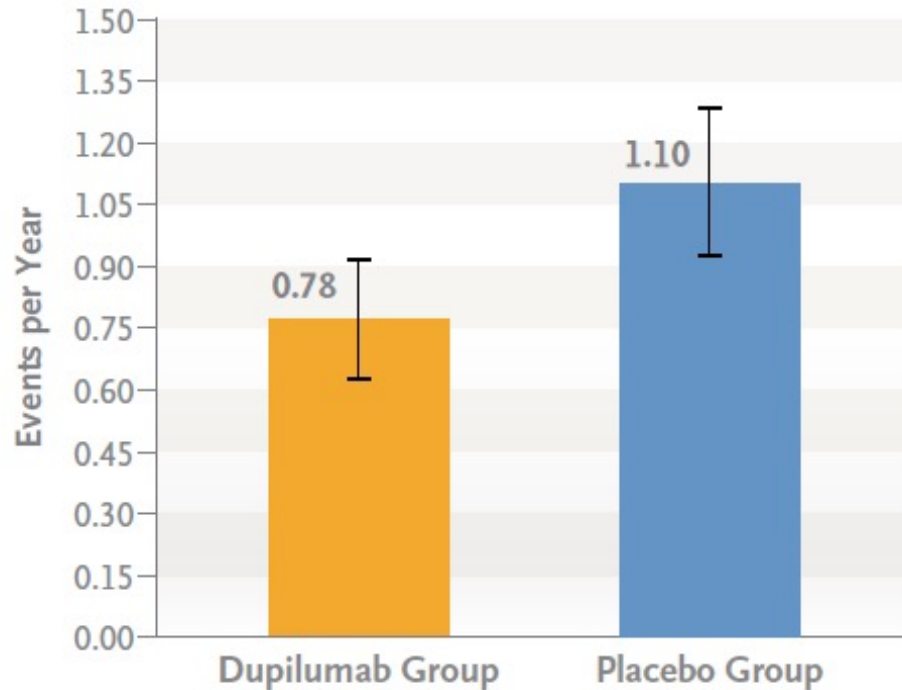
Eaton's Team Assembles Harm Reduction Kits for Community



Bhatt Discovers First Drug Treatment to Modify the Course of COPD: Dupilumab

Adjusted Annualized Rate of Moderate or Severe Exacerbations of COPD

Rate ratio, 0.70; 95% CI, 0.58–0.86; P<0.001



Definitions

Moderate exacerbations:

Requiring treatment with systemic glucocorticoids, systemic antibiotics, or both.

Severe exacerbations:

Leading to hospitalization, an emergency medical visit, or death.



Surya Bhatt, M.D.

Pulmonary, Allergy and
Critical Care Medicine

Bhatt, S. P., et al. NEJM (2023)

<https://doi.org/10.1056/nejmoa2303951>

Intervention to Promote Cardiovascular Health of Mothers and Children

Intervention aims to improve weight, diet, activity, and blood pressure



Gareth Dutton Ph.D.
Preventive Medicine

National Recognition



Pankaj Arora, M.D.

Associate Professor,
Cardiovascular Disease

American Society for
Clinical Investigation



Jasvinder Singh, M.D.

Professor, Clinical Immunology
and Rheumatology

Association of
American Physicians



Education

135

IM RESIDENTS

95%

PASS IM BOARDS

126

SUBSPECIALTY FELLOWS
IN 23 PROGRAMS

98%

PASS SUBSPECIALTY BOARDS

9

ARGUS AWARDEES

**UAB
President's
Award**

Martin Rodriguez, M.D.

Exemplary Teachers with New Roles



Ryan
Kraemer, M.D.

General Internal Medicine

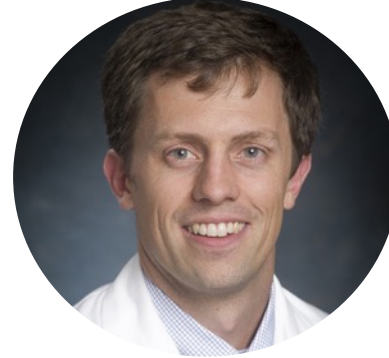
Tinsley Harrison
Internal Medicine
Residency Program
Director



Jeremy
Walker, M.D.

Infectious Diseases

Clerkship Co-Director



Win
Williams, M.D.

General Internal Medicine

Co-director,
Heersink Longitudinal
Clinical Skills
and Clinical Reasoning
Program



Monica
Agarwal, M.D.

Endocrinology

Co-director,
Heersink Longitudinal
Clinical Skills
and Clinical
Reasoning Program



Tinsley Harrison "Legacy Wall"



Point of Care Ultrasound (POCUS) Curriculum



Key Faculty Leaders

- Rob Smola, M.D.
- Andy Marshall, M.D.
- Steven Fox, M.D.
- Micah Whitson, M.D.

Curriculum

- Basic training for all residents
- Elective In-depth training

547

TOTAL FACULTY

30%

HEERSINK FACULTY

5

DEAN'S EXCELLENCE
AWARDS

29

PROMOTED TO PROFESSOR
OR ASSOCIATE PROFESSOR
+ 11 Awarded Tenure

1,190

STAFF

5

DOM STAR AWARDEES



People

Our 2023 Staff STAR Awardees



**Sheikilya Thomas,
PhD, MPH**

Program Director II
Preventive Medicine

SPRING 2023



**Sharon
Harris**

Patient Services Coordinator II
Gastroenterology and
Hepatology

SUMMER 2023



**Tim
Fram**

Research Manager
Infectious Diseases

FALL 2023



**Truman
Grayson**

Researcher V
UAB Comprehensive
Diabetes Center

FALL 2023



**Christina
Florkiewicz, MEd**

Senior HR Planning
Generalist
Preventive Medicine

WINTER 2023



Welcome
New Faculty

Developing Emerging Administrative Leaders

- DEAL Program develops administrative leaders for the future UAB
- Second cohort of 40 selected from 141 applicants across UAB
- PI Cindy Joiner and her co-leads represent the School, the Department, the College of Arts and Sciences, and Central Administration.



DOM Division Highlights

Division of General Internal Medicine



Brittany Payne, M.D.

June 2023

Co-director
Women's Health Track

Senior Consultant
Office of Women's Health
within VA Central Office



Natasha Mehra, M.D.

September 2023

Primary Care Practice
Inpatient/Outpatient Attending

Medical Director EAB



RJ Blackburn, M.D.

September 2023

Medical Director,
Oncology Service



Brandi Blackburn, M.D.

September 2023

Ward Attending
Medical Director,
Clinical Documentation
Improvement Program

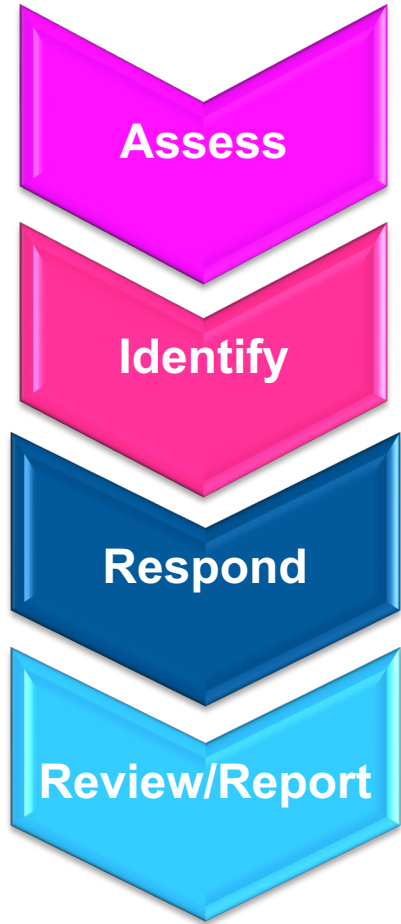


CLOSING THE DIVIDE

Building Trust by Addressing Bias in Medicine

- **Karla E. Williams, MD**
Director of Diversity and Inclusion, Tinsley Harrison Internal Medicine Residency Program
- **KeAndrea Titer, MD**
Asst. Director of Diversity and Inclusion, Tinsley Harrison Internal Medicine Residency Program
- **Lisa Willett, MD, MACM**
Vice Chair for Education and Faculty Development, Department of Medicine

CTD Framework: Let's Clear the AIRR



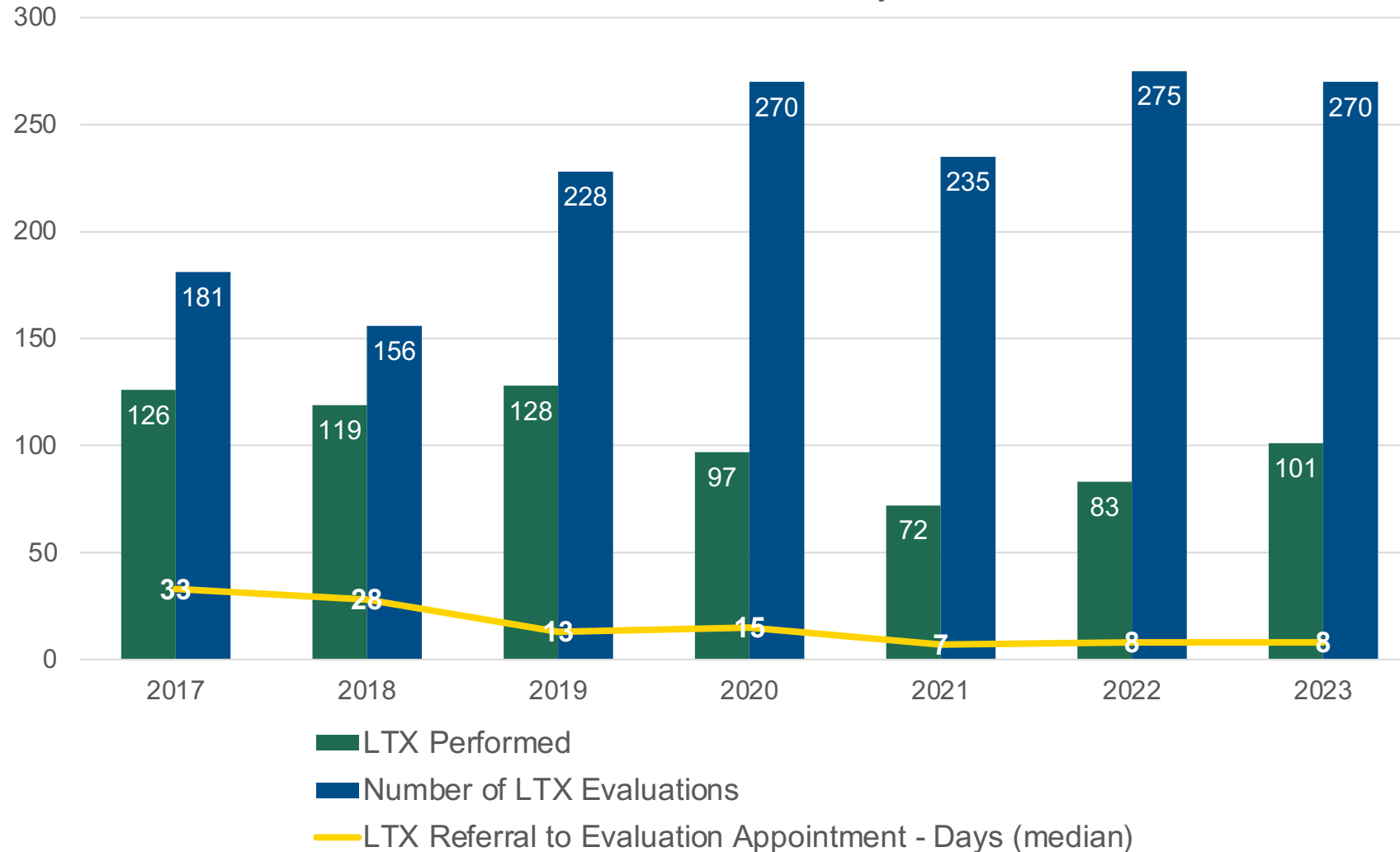
- Multimodal online educational curriculum around recognizing and responding to bias in the clinical environment
- Creation of a framework for how to respond during these types of experiences and highlights how this framework can be applied in various situations
- Can be integrated into existing programs, as part of program development, or individually as “just-in-time” training
- Modules include Addressing Racism, Ageism, Sexism, Religious Discrimination and LGBTQ+ Discrimination

Hepatology and Transplant Hepatology Section



Increase in Liver Transplant Evaluations, 2017 - 2023

Liver Transplant (LTX) Referral to Evaluation Wait Times, LTX Evaluations, and LTX Performed by Year



UAB Liver Center Overview & Goals

- 5 board certified transplant hepatologists and 4 advance practice providers provide care: hepatology clinics, liver transplant clinics, in-patient hepatology service, and outreach clinics
- Estimated 100,000+ patients with cirrhosis in Alabama alone
- More than 100 liver transplants performed annually at UAB
- Current clinical trials: MASH, MASLD, A1ATD, portal hypertension, alcohol hepatitis, PBC, PSC, and Porphyria

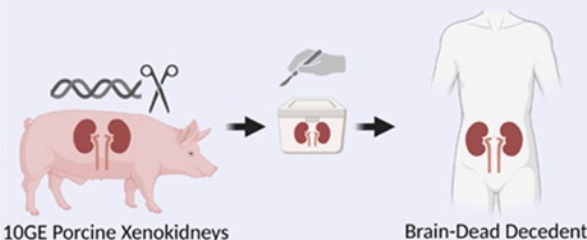
Goals:

1. Expand the Liver Transplant Program
 - Increase number patients evaluated while maintaining low appt. wait time
 - Start Living Related Liver Transplant Program
2. Expand Research Initiatives
 - Maintain and expand clinical trials to position Liver Center as preeminent program and reinforce UAB mission as a research institution
3. Strengthen referrer relationships while expanding access to care
 - Current outreach initiatives: Univ. of South Alabama & Dothan
 - Expand outreach clinics to include Montgomery and Huntsville

Physiologic Homeostasis after Pig-to-Human Kidney Xenotransplantation



Transplantation of porcine xenokidneys into a brain-dead human decedent



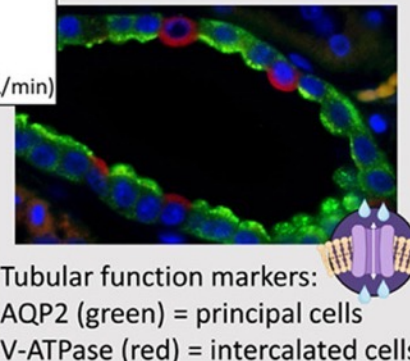
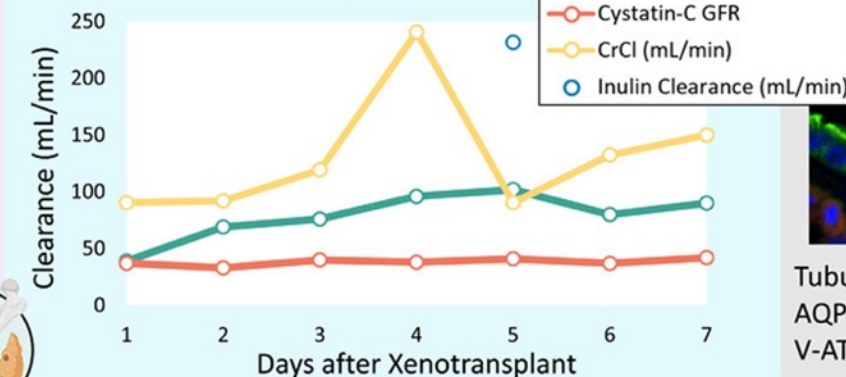
Data collection for this study focused on:

- Hemodynamic stability
- Water and solute clearance
- RAAS activity
- Mineral metabolism

7d

Porcine xenotransplantation supported human homeostasis via RAAS and blood pressure regulation, mineral metabolism, water balance, and solute clearance

- MAP > 60 mmHg for study duration
- Xenokidneys secreted renin (POD 3-7 mean, SD: 47.3 ± 9 pg/mL)
- Aldosterone and angiotensin II levels were present (57.0 ± 8 pg/mL, 5.4 ± 4.3 pg/mL)



Judd E... Locke JE, 2023

Visual abstract by:

Maggie Jones-Carr, MD

@mjonescarrMD

Created with BioRender.com

CONCLUSION

In a human decedent model, xenotransplantation of 10 gene-edited pig kidneys provided physiologic balance over a 7 day period.



NEPHROLOGY >> First to describe the ability of 10-gene-edited porcine kidney xenograft to maintain physiologic homeostasis in a human; Paves the way for future clinical study of pig-to-human kidney xenotransplantation in living persons

Gerontology, Geriatrics, & Palliative Care: VA Geriatrics Research Education and Clinical Center (GRECC)

Led by Dr. Alayne Markland; 12 supported FTE; Bham, Atl

Research

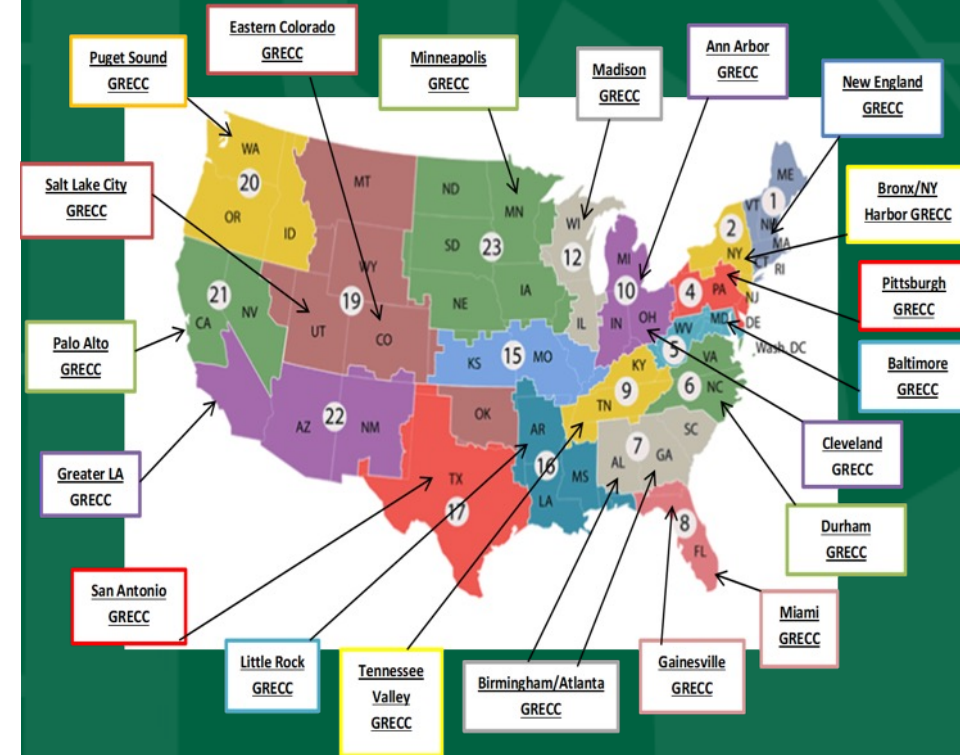
- Themes: Continence, Palliative Care, Clinical Decision Support, Med Safety
- Investigator specialties: Geriatrics, Cardiology, Rheumatology, GIM, Preventive Medicine, Oncology, Pulmonary
- ~\$7.7 million VA + ~\$8.2 million NIH grant funding; 75 projects

Education

- National impact: “Start Making Sense: How to Communicate Effectively with Veterans with Dementia:” 18,258 learner course completions in 2023

Clinical Innovation

- Mobile app for continence care (MyHealtheBladder)
- Integrated Management and Polypharmacy Review of Vulnerable Elders (IMPROVE) to promote deprescribing
- Enhancing Quality of Prescribing Practices for Veterans Discharged from the ED (EQUIPPED), a 20-site VA program, including 9 GRECC sites



Forging the Future in DOPM: External Career Development Awards



Carrie Howell, PhD
Assistant Professor

“Harnessing social determinants of health data to identify and engage high risk, socially vulnerable populations for diabetes prevention.”
(NIMHD)



Yulia Khodneva, MD, PhD
Assistant Professor

“Improving diagnosis of heart failure with preserved ejection fraction in primary care.”
(NHLBI)



Timiya Nolan, PhD
Associate Professor

“Piloting Y-AMBIENT: A Quality of Life Intervention for Young African American Breast Cancer Survivors in Treatment.”
(NCI)



Caroline Presley, MD, MPH
Assistant Professor

“Mindfulness-Based Diabetes Education for adults with elevated diabetes distress.”
(NCCIH)



Kevin Riggs, MD, MPH
Assistant Professor

“Developing and Testing an Opioid Taper Intervention Before Total Knee Arthroplasty.”
(NIAMS)



Camille Schneiderman-Worthington, PhD.
Assistant Professor

“Use of early time-restricted eating to promote weight loss and improve cardiometabolic health in postpartum women.”
(NICHD - fundable score, awaiting decision)

Forging the future in DOPM: New Faculty



**Amber
Kinsey, PhD**
Assistant Professor



**Brittanny
Polanka, PhD**
Assistant Professor



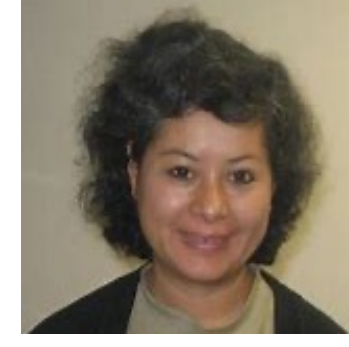
**Alex
Arynchyn, PhD**
Assistant Professor



**Timiya
Nolan, PhD**
Associate Professor



**Camille
Schneiderman-
Worthington, PhD.**
Assistant Professor



**Lucia
Juarez, PhD**
Assistant Professor

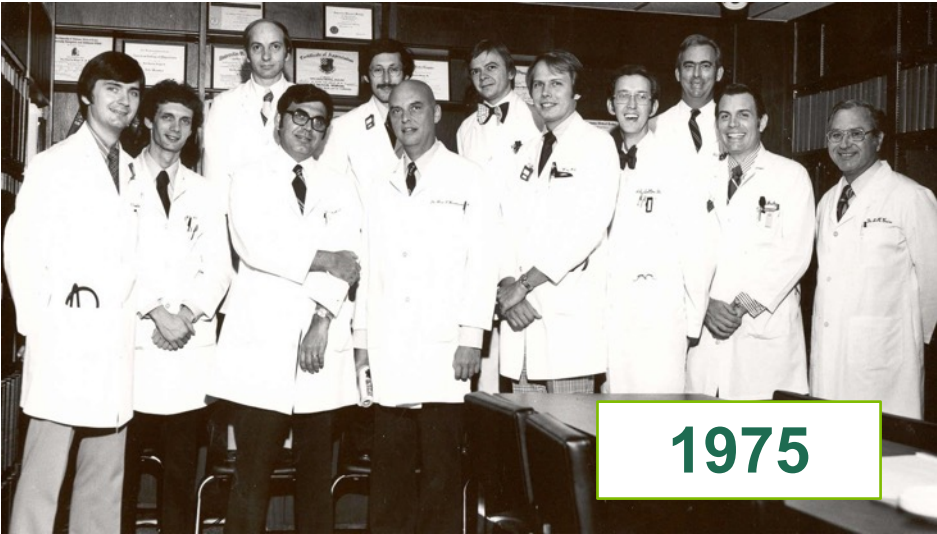


**Kristen
Allen-Watts, PhD**
Assistant Professor



**Mohanraj
Thirumalai, PhD**
Associate Professor

Faculty Development in PACCM – Building a Legacy



Legacy Dinner: 2024
Logo & Creed: 2025

Hematology and Oncology | Why Mentorship?

- Organization of the division's leadership team – section heads
- Strategic planning meeting yielded a long list of initiatives
 - Crowdsourcing resulted in list of top 10 initiatives
 - Four of these focused on mentorship
 - Provide professional development training for mentors and mentees
 - Include mentorship in annual review and as part of measurement for promotions
 - Create a research mentorship committee
 - Create career development/ mentor teams with a primary mentor for early-career faculty

Hematology and Oncology | Next Steps

- Division leadership team developed a mentorship plan
 - Target: Instructors/ Assistant Professors
 - 2 mentors/ faculty
 - Mentors not within the same disease area (no direct report)
 - 3 meetings per year
 - Created a template for the mentorship meeting aimed to ensure covering key issues- academic growth, path for promotion, clinical workload, work/life balance
 - Reports from mentorship meetings will be part of the end of year evaluation for the faculty members

Division of Cardiovascular Disease

Research Excellence

The following faculty have recently received VA Merit or AHA Awards:

Congratulations!

Lisa Jackson, MD

Telehealth vs. web-based delivered home-based walking for vets with Peripheral Artery Disease (TREK-PAD)

Greg Payne, MD

Extracellular matrix-derived chemokines mediate smoking-associated coronary atherosclerosis

Tousif Sultan, PhD

The significance of fibroblast and myeloid-specific PD-L in cardiac pathophysiology post ischemic injury

Prabhat Ranjan, MD

Gut inflammation and its impact on heart failure

Stephen Clarkson, MD

Social determinants of health among rural patients with cardiovascular disease

Clinical Milestone

Dr. Joanna Joly, along with the UAB Heart Transplant Clinic and Maternal-Fetal Medicine Team deliver healthy baby in high-risk pregnancy!



Educational Distinction

Successful renewal of the UAB Comprehensive Cardiovascular Center (CCVC) UWIRC

DOM Teaching Excellence Awards

(nominated by residents/medical students for outstanding teaching)

- **Todd Brown, MD**
- **Greg Chapman, MD**
- **Steve Lloyd, MD**
- **Suzanne Oparil, MD**
- **Greg Payne, MD**

Harish Doppalapudi, MD – 2023
Argus Award for Best Cardiovascular Educator

Congratulations!

Division of Endocrinology, Diabetes & Metabolism

Fellowship Training Program in Endocrinology, Diabetes & Metabolism **Leadership Team:**



We have an amazing training program leadership team that has transformed our subspecialty training program with the extraordinary vision, audacity to make it happen, and empathetic leadership of the PD, the exceptional organization and delightful enthusiasm of the PC, and the superb teaching methods and mentoring by the APDs.



Endocrinology, Diabetes & Metabolism Fellowship Program

Accomplishments in the last 5 years:

- Nearly tripled the size of our training program size from 3 to 8 fellows
3rd largest Endocrine Fellowship Program in U.S. Only training program in the state!
- Enhanced our ability to attract and recruit top applicants – both trainees and faculty
- Graduates helping to fill need for Endocrinologists in the U.S.:
 - Of the past 20 fellows to graduate since 2006:
 - ✓ 10 stayed as faculty at UAB (7 still here)
 - ✓ majority of the other graduates remain in SE



Endocrinology, Diabetes & Metabolism Fellowship Program

Accomplishments in the last 5 years:

- Expanded the volume of patients cared for and significantly increased access particularly for the underinsured
- Increase breadth and depth of training in all areas of specialty
- Improved coverage of all clinical services while maintaining work life balance and the wellness of our trainees
- Increased research training time
 - Significant increase in the number of scientific abstracts and at national scientific meetings and publications by our trainees

Rheumatology- Amazing Senior Leaders



- **Amanda Alexander, MD (Clinician Educator, Fellowship Program)**
 - Leading growth of fellowship program
 - Started UAB DOM Subspecialty Fellowship Diversity and Inclusion Mixer



- **Maria (Maio) Danila, MD, MSPH (Clinical Investigator)**
 - New R01 focusing on covid vaccination
 - MPI of \$13M/20+ site PCORI grant on post-fracture care
 - Am J Med Sci paper growing focus on telehealth



- **Tony Merriman, PhD (Fundamental Science Investigator)**
 - New R01 focusing on study genomics of gout
 - A&R paper on association of gout polygenic risk score with age at disease onset



- **Troy Randall, PhD (Fundamental Science Investigator)**
 - Running UAB Flow Core with help of 500K philanthropic grant
 - Science Immunology paper on dendritic cell regulation

Rheumatology- Amazing Junior Leaders



- **Isidoro Cobo, PhD (Fundamental Scientist)**
 - Newest faculty member
 - Research focuses on genetic relationship between gout and cardiovascular disease



- **Leslie Jackson, MD, MSPH (soon) (Clinical Investigator)**
 - Frommeyer and new funding from Rheumatology Research Foundation
 - JBMR paper on defining bone health clinicians using a conjoint analysis



- **Bailey Lipham, MD (Clinician Educator)**
 - Top tier educator and selected to be IM Core Faculty
 - Providing added expertise in immune-related adverse events of cancer therapies

Division of Infectious Diseases

- Education
 - Successful match including our first Transplant/Immunocompromised program fellow
 - In the last decade, 70% of our fellows have remained in academic medicine
 - Gorgas Courses in Tropical Medicine
- Clinical
 - Growth in clinical services and outpatient clinics
 - Quality initiatives

Division of Infectious Diseases

- Research: \$43M of research expenditures in FY23
 - **HIV:** CFAR, CNICS, Vaccine Trials and Clinical Trials units
 - **MSG:** Mycosis Study Group led by Pete Pappas recently received a \$7.5 million U01 grant from the CDC to continue their studies
 - **STD:** syphilis study, gonorrhea vaccine, novel diagnostic methods, vaginitis, Chlamydia
 - **Other areas:** substance use disorders and infections, malaria, hepatitis, influenza

**INFECTIOUS DISEASES
AND
BIRMINGHAM DISTRICT BREWING CO
BENEFITTING EQUAL ACCESS BIRMINGHAM**

**This year's beer will be a Honey Kolsch,
brewed with faculty honey!**

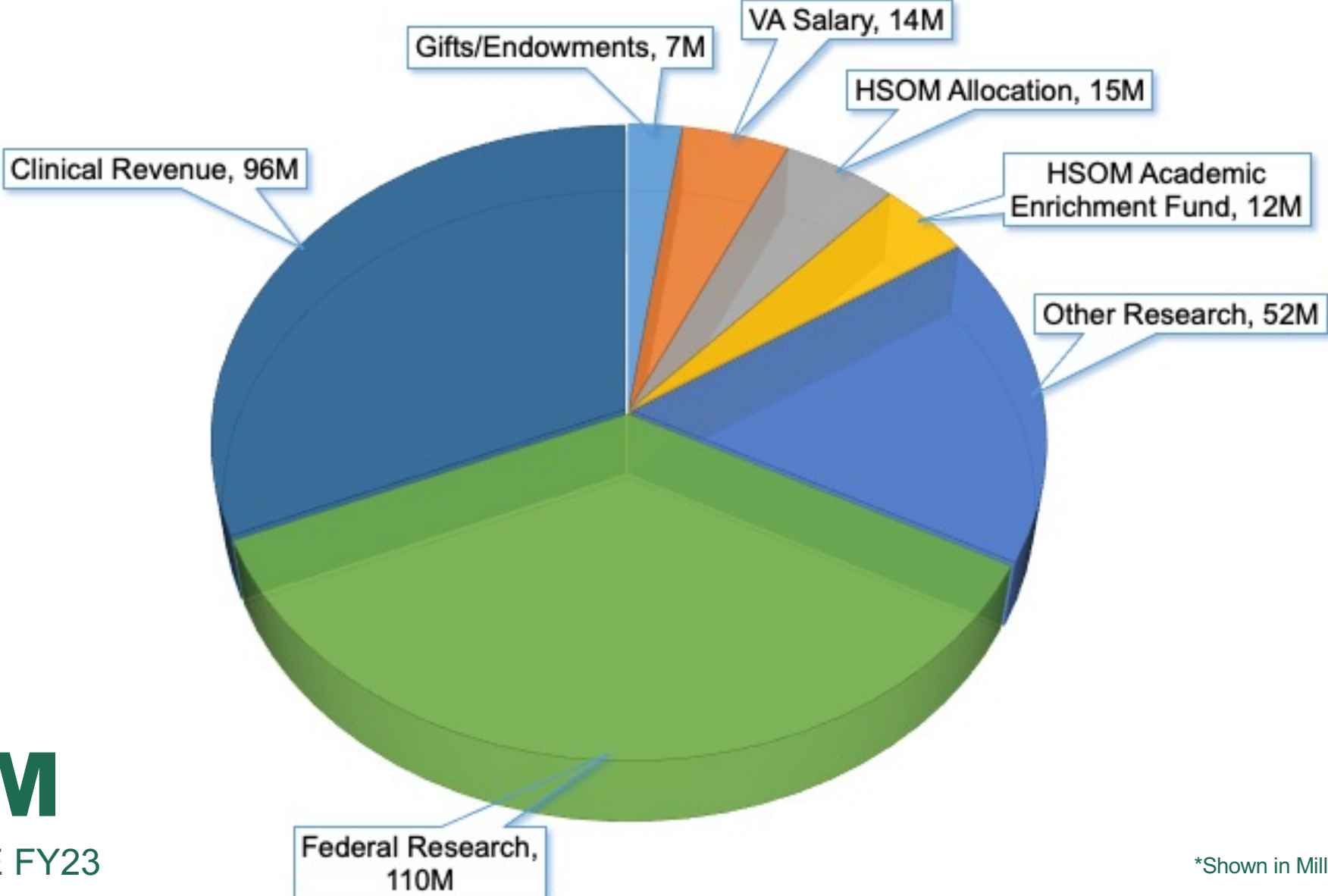
**Send in your best name suggestions by Feb 15.
Winner gets \$100 towards dinner of your choosing!**



SAVE THE DATE >> April 23 at 5 PM

DOM Financial Snapshot

Revenue

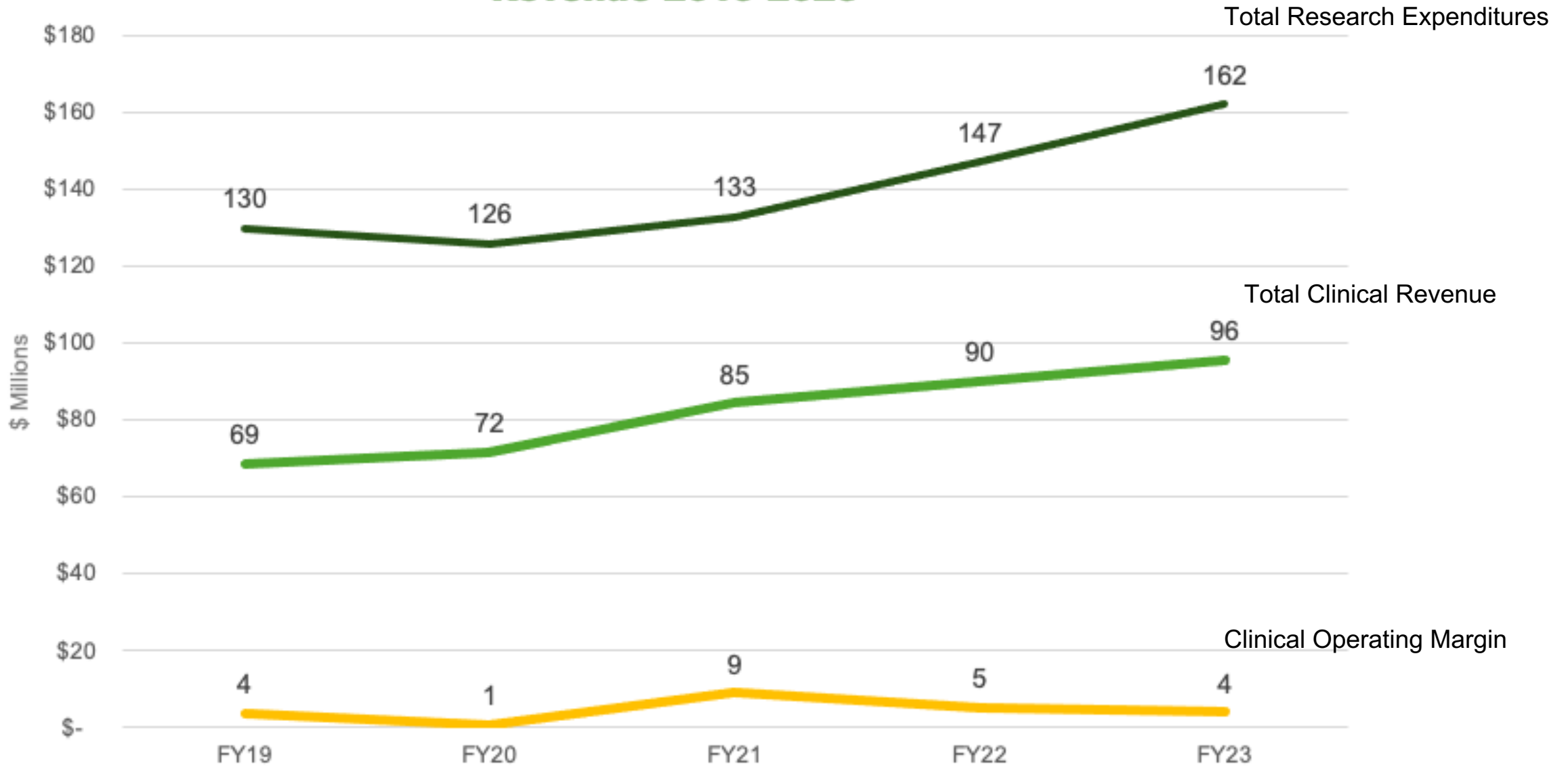


\$306M

TOTAL REVENUE FY23

*Shown in Millions of Dollars

Revenue 2019-2023



SNAPSHOT

Philanthropic Partnerships

- Benjamin Russell Endowed Chair in Geriatrics
- \$8.1M in cash & planned gifts
Thank you to 334 unique donors and our Advancement Team
- 142 Endowments: \$120M market value



DOM: Coming in 2024

2024: The Year of Change

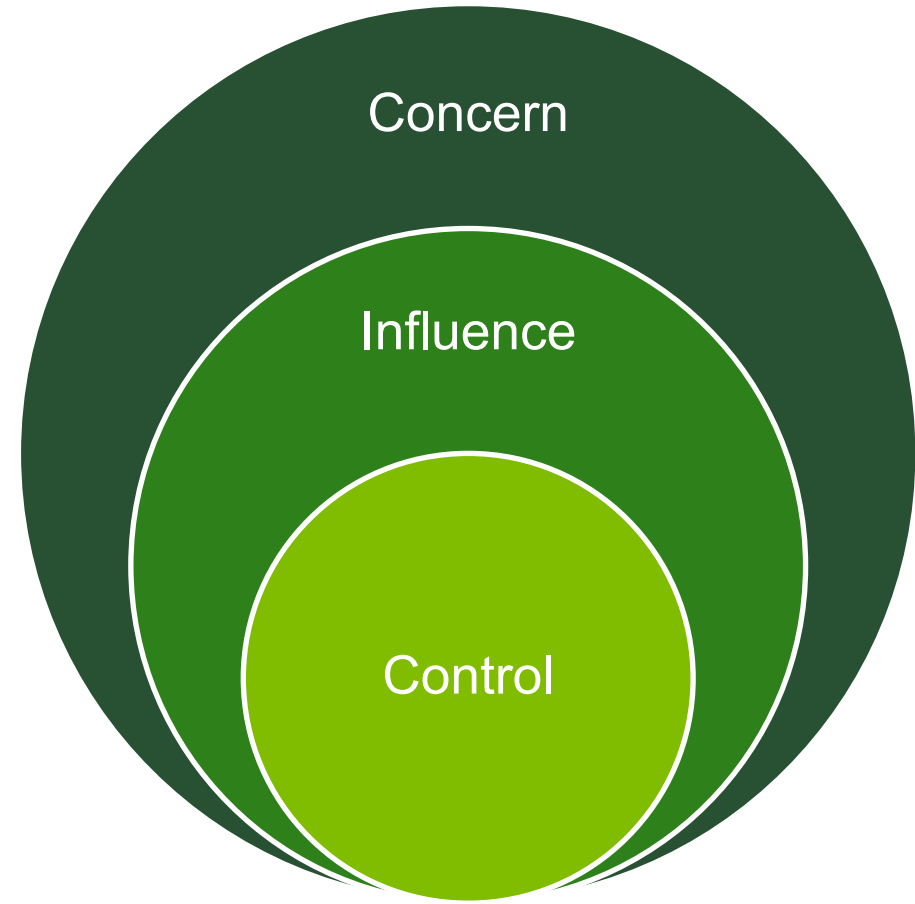
- AI Will Grow
- New Clinical Compensation Plans
- New Division Director for ID
- New Division of General Internal Medicine and Population Health*
- New Strategic Plans for UAB and UAB Medicine
- New Wellness Initiatives
- New Faculty Development Program

*Pending Provost and BOT Approval

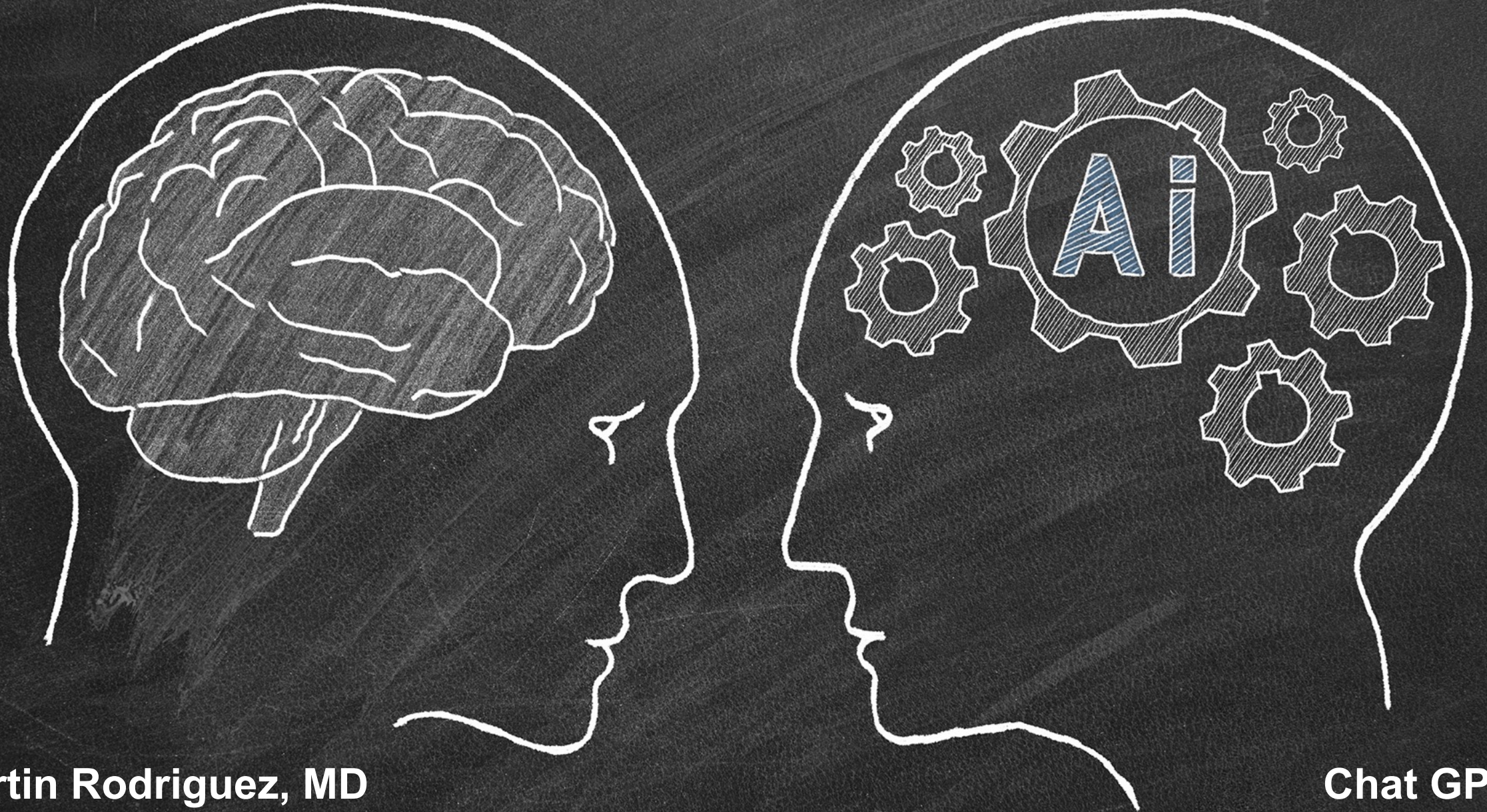
How We Will Navigate Change

Our Mission

- We advance health and healing
- Life-changing care today and tomorrow



Battle Royale: Man Vs. Machine



Martin Rodriguez, MD

Chat GPT4



DOM WELLNESS COUNCIL



Josh Stripling, M.D., Co-Chair

John Kennedy, M.D., Director for Wellness

Kaitlyn Waugaman, MPH, RDN, LDN, Co-Chair

12 Faculty and Staff will advance 4 Priorities for 2024

- Create a Culture of Inclusion for Clinical Faculty
- Access Center
- Onboarding for Staff and Faculty
- Leadership Evaluation

Comprehensive Faculty Development

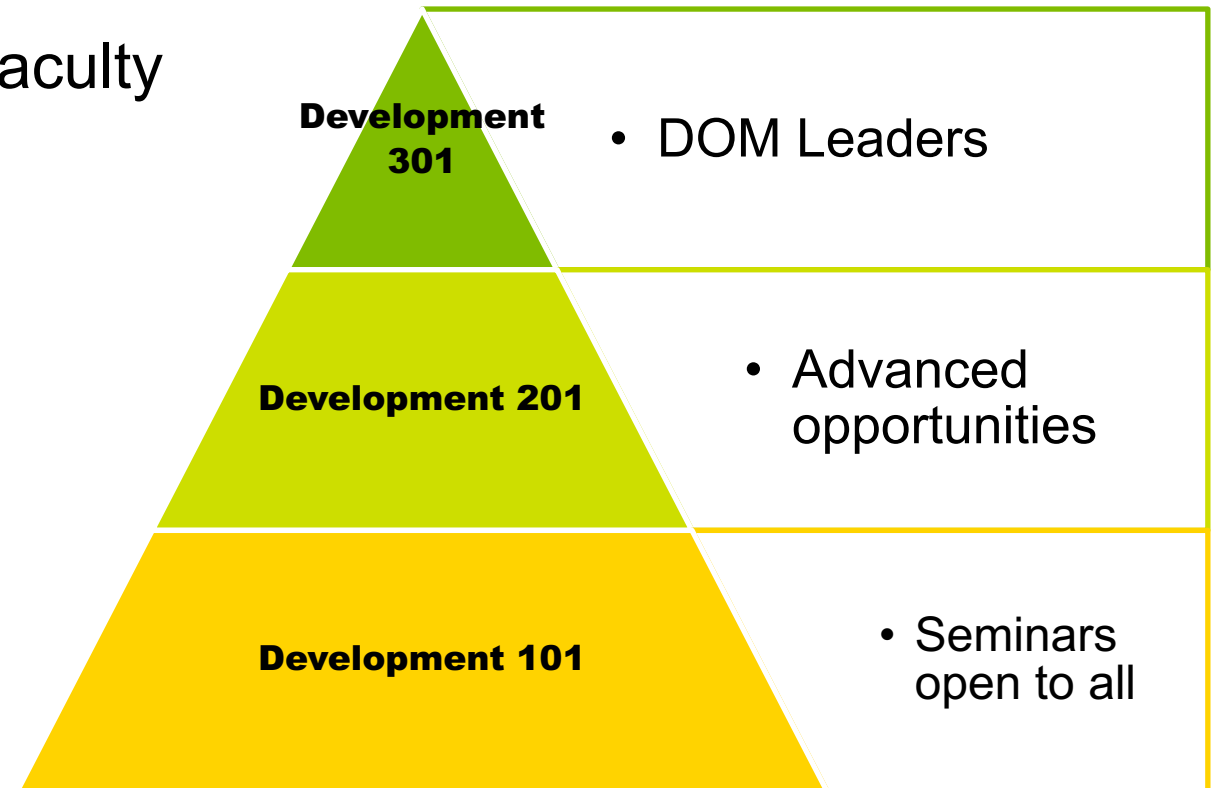


Lisa Willett, M.D., MACM
Vice Chair for Education and
Faculty Development

- **Goal:** To design and implement a Program that is relevant, sustainable, equitable, and accessible, that provides true value to all DOM faculty
- **Needs Assessment:** October 2023
 - 174 faculty responded, thoughtful comments
- **Best Practices:** peers, literature

Comprehensive Faculty Development

- The highest priority areas for DOM faculty
 - Leadership skills
 - Job satisfaction and wellness
 - Promotion and advancement
- Faculty want:
 - Mentorship
 - Develop skills relevant to their role and rank



Tiered Curriculum



Share Your Feedback

This evaluation survey will also be sent to the email you provided when you registered for this session!