OUR DEPARTMENT

2019

Seth Landefeld, MD, Professor and Chair
Department of Medicine
February 13, 2019
OUR PATIENTS
Programs Ranked in the Top 50 by USNWR

- Geriatrics
- Cardiology & Heart Surgery
- Pulmonology
- Diabetes & Endocrinology
- Nephrology
- Rheumatology

*Cancer and GI are close to the Top 50.*
People with HIV Who are Virally Suppressed
UAB outpatient telemedicine services have already saved 64,000 miles of driving as well as 1,200 hours of driving for our patients.

Eric Wallace, MD
Associate Professor, Nephrology
Medical Director, UAB Telehealth
Vaughan RMC Before & After Tele-ICU

Deaths

- Jan - Jun 18: 43
- Jul - Dec 18: 27

p = .03

O:E Mortality

- Jan - Jun 18: 1.26%
- Jul - Dec 18: 0.69%

p = .01
OUR LEARNERS
Our 15 Training Programs

- Internal Medicine
- Cardiology
- Electrophysiology
- Endocrinology
- Gastroenterology
- Geriatrics
- Hematology/Oncology
- Hospice/Palliative Care
- Infectious Diseases
- Interventional Cardiology
- Nephrology
- Pulmonary
- Rheumatology
- Transplant Hepatology
- Advanced Heart Failure
Our Residency is a Talent Magnet

Where Residents Attended Medical School
Resident Diversity is Growing

Women

<table>
<thead>
<tr>
<th>Year</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>28%</td>
</tr>
<tr>
<td>2018</td>
<td>35%</td>
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</tbody>
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Under-Represented in Medicine

<table>
<thead>
<tr>
<th>Year</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>3%</td>
</tr>
<tr>
<td>2018</td>
<td>11%</td>
</tr>
</tbody>
</table>
Residents Rate Their Training Program Highly

Very Positive 5
Positive 4
Neutral 3

4.8
4.4

UAB
National

THE UNIVERSITY OF ALABAMA AT BIRMINGHAM
Our Residents Do Well on Boards

ABIM First Time Pass Rate

<table>
<thead>
<tr>
<th></th>
<th>UAB</th>
<th>National</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Year Rolling Avg (%)</td>
<td>96</td>
<td>91</td>
</tr>
</tbody>
</table>
Our Learners: Grad Students and Post-Docs

Graduate Students
(26% of Total SOM)
62

Post-Docs
(25% of Total SOM)
55
DOM’s Argus Award-Winning Teachers

Drs. Chad Burski, Harish Doppalapudi, Shawn Galin, James Johnson, Eric Judd, Vineeta Kumar, Michael Saag, Ashita Tolwani, & Martin Young.
Residents Selected Their Top Ten Teachers

L to R: Drs. Ashita Tolwani, Dana Rizk, Brendan McGuire, Peter Phan, Ryan Kraemer, Todd Brown, Lisa Willett, and JR Hartig. (Not pictured: Drs. Jason Morris and Steve Stigler)
This video on “Setting Expectations” addresses an extremely important but under-recognized skill.

Dana Dunne, MD
Clerkship Director, Internal Medicine
Yale University School of Medicine
Academy of Medical Educators

- DOM Education Working Group
- SOM Department of Medical Education
- School of Health Professions
- $500,000 Paul W. Burleson, MD, Endowment
As a graduate of the Tinsley Harrison Internal Medicine Residency Program, I can attest that the DOM faculty are dedicated to the personal and professional growth of our trainees.

Karla Williams, MD
Director of Diversity & Inclusion, Internal Medicine Residency Program
Over 1,000 Discoveries in 2018

Ovalle, Shalev, et al:
Verapamil improved blood sugar control in Type 1 DM.
*Nature Medicine*

Zmijewski, Thannickal, et al:
Metformin reversed IPF in mice.
*Nature Medicine*

Lever, Bolisetti, Mrug, Agarwal, et al:
Kidney-resident macrophages may help heal AKI.
*JCI Insight*
Over 1,000 Discoveries in 2018

Marrazzo, Hook, et al:
A new oral antibiotic can cure gonorrhea.
*NEJM*

Rowe et al:
CFTR correctors plus Ivacaftor improved lung function in CF.
*NEJM*

Saag et al:
Febuxostat increased mortality in people with gout - Allopurinol is safer.
*NEJM*
Over 1,000 Discoveries in 2018

Bodduluri, Bhatt, et al:
Airway destruction predicted COPD progression.

Genschmer, Russell, Gaggar, Blalock, et al:
PMN exosomes destroy lung tissue in COPD.

Wadley et al:
Intensive BP control may slow cognitive impairment.

*JCI*

*Cell*

*JAMA*
NIH-funded Investigators in DOM

- 2012: 72
- 2013: 78
- 2014: 87
- 2015: 100
- 2016: 101
- 2017: 120
- 2018: 118
NIH Funding & Rank

<table>
<thead>
<tr>
<th>Year</th>
<th>Millions, $</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>59,967,759</td>
</tr>
<tr>
<td>2014</td>
<td>70,058,614</td>
</tr>
<tr>
<td>2015</td>
<td>72,725,248</td>
</tr>
<tr>
<td>2016</td>
<td>78,053,639</td>
</tr>
<tr>
<td>2017</td>
<td>84,689,669</td>
</tr>
<tr>
<td>2018</td>
<td>86,607,537</td>
</tr>
</tbody>
</table>
The “Timing” of Investigation

The heart is a markedly different organ in the morning than in the evening—molecularly, cellularly, and functionally.

Martin E. Young, DPhil
Professor, Cardiovascular Disease
Vice Director for CVD Research
Life and health is dictated by the clock...
OUR RESOURCES
Follow the Money: Revenue FY2014-FY2018

- Extramural Grants
- Clinical Revenue
- State & Indirect Costs
- VA Salary
- Gifts & Endowment Income

FY 2014: Extramural Grants = 97,720,971
FY 2015: Extramural Grants = 107,063,456
FY 2016: Extramural Grants = 115,555,599
FY 2017: Extramural Grants = 120,867,801
FY 2018: Extramural Grants = 128,782,166

FY 2014: Clinical Revenue = 48,716,492
FY 2015: Clinical Revenue = 53,835,385
FY 2016: Clinical Revenue = 61,305,953
FY 2017: Clinical Revenue = 70,924,280
FY 2018: Clinical Revenue = 72,896,643
Faculty (MD & PhD) with Salaries ≥ AAMC Median

- 2015: 53.0%
- 2016: 63.1%
- 2017: 64.3%
- 2018: 60.4%
- 2019: 61.4%
Passion for Philanthropy

“Philanthropy is a very personal mission for me, both to possibly improve the medical issues of our families, and to do the same for my patients.”

Robert C. “Bob” Bourge, MD
Professor of Medicine, Radiology, & Surgery
Senior Vice Chair, Dept. of Medicine
OUR CULTURE
Our Values

Own It
Accountability
Stewardship

Do Right
Excellence
Integrity

Work Together
Collaboration

Always Care
Respect
Diversity & Inclusion
Our Employees of the Month

Top: Sherron Thornton, Casondra Matthews, Tanya Brecht, Sondra Curry, Sylvia Peral, Tatyana Waldrop, Jennifer Hicks
Bottom: Tonja Meadows, Kate Morgan, Sheri McFall, Sara Hannum, Rich Searles, Mozella Kerley
IM Residents Serve Cancer Patients at Hope Lodge

L to R: Drs. Anjali Das, Cameron Pywell, Cameron White, Jamey Hammock, Maritza Pantoja, and Jonathan Kalehoff
Professional Development of Faculty & Staff

- 119 Faculty & Staff have/are participating in Leadership DOM
- 17 Leadership DOM graduates enrolled in Peer2Peer Group Coaching
- DOM Senior Leaders have participated in two off-site leadership retreats
Caped Crusader for Well-Being
Team Well-Be: Riley Thornton, Dr. Well-Be, and Anna Threadcraft
Faculty Well-Being Index

My Well-Being Over Time
Well-Being Index - Dashboard
Fewer Burrs Under Our Saddles
The Wounded Deer is an oil painting by Mexican artist Frida Kahlo created in 1946. It is also known as The Little Deer.
## Key Wellness Findings

<table>
<thead>
<tr>
<th>Issue</th>
<th>Frequency (% Divisions)</th>
<th>Pain Level (1-10)</th>
<th>Impact Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>EHR (&amp; email)</td>
<td>91</td>
<td>10</td>
<td>9.1</td>
</tr>
<tr>
<td>Administrative Burden/Support</td>
<td>82</td>
<td>8</td>
<td>6.5</td>
</tr>
<tr>
<td>Financial Model</td>
<td>82</td>
<td>7</td>
<td>5.7</td>
</tr>
<tr>
<td>Transparency Issues</td>
<td>73</td>
<td>6</td>
<td>4.4</td>
</tr>
</tbody>
</table>
Diversity and Inclusiveness

- Different Divisions
- PhD faculty, MD faculty
- Different backgrounds and interests
- Come from around the world
- Teachers, Researchers, Clinicians
Women Faculty in Department of Medicine

- Current Faculty: 36.2%
- New Hires: 47.4%
- Med School Grads: 48.0%
- Alabamians: 52.0%
Faculty Under-Represented in Medicine

- Current Faculty: 10.1%
- New Hires: 10.5%
- Med School Grads: 11.0%
- Alabamians: 28.0%
A Vibrant, Diverse, Inclusive Culture

“

It can be difficult to work in a place where no one looks like you. We have done much to address this, and our work will continue to bear fruit in the days ahead.

“

Julian Booker, MD, MBA, MSHA, MSHQS
Associate Professor, Cardiovascular Disease
WHERE DO WE GO FROM HERE?
What Are We About?

To improve the health and well-being of society, particularly the citizens of Alabama...
UAB Medicine’s TOP Goals

- Top 10 Quality
- Top 10 Patient Satisfaction
- Top 20 NIH Funding & Discoveries
- Top Destination for Talent
- “Alabama’s Health System”
Challenges and Opportunities

1. Disease
2. The World Is Changing
3. Quality
4. Our Systems
5. Our Wellness
1. Disease

Pick any disease. They are all worthy targets.

• Sickle Cell
• Heart Failure
• Lung Failure
• Any Cancer
• and more and more…
2. The world is changing.

We are in the midst of a Digital Revolution!
Before the Digital Revolution, Communication Was One-Way
Then the audience started talking back
Now the audience has become a community
3. Quality

Inpatient Admissions and Deaths

- Admissions:
  - 2013: 754
  - 2014: 909
  - 2015: 900
  - 2016: 968
  - 2017: 885
  - 2018: 870

- Patient Deaths:
  - 2013: 19,194
  - 2014: 18,577
  - 2015: 19,799
  - 2016: 19,995
  - 2017: 20,776
  - 2018: 20,333
4. Our systems

- Access
- Teams
- Organization of clinical services
- EMR
5. Our wellness

- Improve our systems. EMR!
- Build teams: each a leader, each a teammate
- Develop ourselves
What will success look like?

★ Big discoveries that improve health.
★ Money and space to catalyze discovery.
★ Talent Magnet.
★ Our systems will work better, with less friction.
  • Our patients will get the care they want and need.
  • We will work hard, not too hard, in high-functioning teams.
  • We like our salary plan.
  • EMR makes life easier and care better!
What will success look like?

★ We will know when care can be better, and we will make it so. (Hypoglycemia, BMT, HIV, Vaughan RMC)

★ We will be well, living lives of joy and meaning.
  • Fewer burrs under the saddle, no arrows.
  • We will work as teams, building our lives together.
How will we do this?

- Be heroes
- Be civil
- Be curious, listen and learn
- Work hard
Thank you!

You make our Department amazing!

Grab a cookie on the way out, and keep up the great work!