780 medical students
984 residents
1,122 patients receiving care at UAB Hospital
2,802 daily appointments at The Kirklin Clinic
1.9 million square feet of space in School of Medicine
Retention, Reinvestment and Recruitment

Department Chairs & Leadership
- Pathology
- Dermatology
- CDIB
- Family Medicine
- Personalized Medicine Institute
- Comprehensive Cancer Center
- Huntsville Regional Medical Campus

Internal Growth and Retention
- Improved bridge funding flexibility
- Internal IMPACT awards
- Competitive RFAs

Other Activities
- 8-10 significantly funded investigators
- Space renewal and utilization
Shining a light on our state, country and world through research, education and world-class patient care.
3,888 applicants for 2016 matriculation
420 estimated interviews for 2016 matriculation
284 interviews conducted to date

CLASS OF 2019
103 women
91 men

first MS-1 class with more women than men
Schweitzer Fellowship

- A national program focusing on leadership development in service learning
- Alabama chapter established in the School of Medicine
- Recipients implement service project of their own design
- 2016 Fellows will be chosen in March
Learning Communities

- Led by SOM faculty mentors
- Integrates health disparities, ethics, interprofessional teamwork and community engagement into the medical curriculum
- Group service, discussion and reflection
- Heersink Community first named community by the Heersink family

11 communities

10-15 students per class, per community
Shining a light on our STATE, COUNTRY AND WORLD THROUGH RESEARCH, EDUCATION AND WORLD-CLASS PATIENT CARE.

+ **EDUCATION**

+ **RESEARCH**

+ **PATIENT CARE**
### NIH Summary

#### NIH Rank

<table>
<thead>
<tr>
<th>FY13</th>
<th>FY14</th>
<th>FY15</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>26</td>
<td>25</td>
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#### NIH PI Number

<table>
<thead>
<tr>
<th>FY13</th>
<th>FY14</th>
<th>FY15</th>
</tr>
</thead>
<tbody>
<tr>
<td>258</td>
<td>258</td>
<td>262</td>
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</table>

#### NIH $(Millions)$

<table>
<thead>
<tr>
<th>FY13</th>
<th>FY14</th>
<th>FY15</th>
</tr>
</thead>
<tbody>
<tr>
<td>$133</td>
<td>$156</td>
<td>$165</td>
</tr>
</tbody>
</table>

*FY15 – data reported by NIH as of 12/30/15 (includes 1 award to Tuscaloosa)
NIH Ranking of UAB SOM Compared to All SOMs

- (a) Blue Ridge estimated ranking at 33 because JHS departments were not included in the total. The corrected rank is shown.
- (b) Estimated using NIH data and including Mayo. Identical to rank released by Blue Ridge more recently.
- (c) Blue Ridge has not linked to Case Western and Cleveland Clinic. Actual ranking should be 27.
### Five-year trends by NIH Series

(Number of Awards)

<table>
<thead>
<tr>
<th>Series</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>1 Year % Change</th>
<th>5 Year % Change</th>
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<tbody>
<tr>
<td>TOTAL</td>
<td>354</td>
<td>345</td>
<td>335</td>
<td>341</td>
<td>356</td>
<td>4%</td>
<td>1%</td>
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<tr>
<td>R-Series Total</td>
<td>240</td>
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<td>229</td>
<td>226</td>
<td>231</td>
<td>2%</td>
<td>-4%</td>
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<tr>
<td>R01</td>
<td>190</td>
<td>185</td>
<td>173</td>
<td>164</td>
<td>173</td>
<td>5%</td>
<td>-9%</td>
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<tr>
<td>R21</td>
<td>24</td>
<td>26</td>
<td>35</td>
<td>33</td>
<td>32</td>
<td>-3%</td>
<td>33%</td>
</tr>
<tr>
<td>P-Series Total</td>
<td>21</td>
<td>21</td>
<td>18</td>
<td>17</td>
<td>15</td>
<td>-12%</td>
<td>-29%</td>
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<tr>
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<td>3</td>
<td>3</td>
<td>1</td>
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<td>-80%</td>
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<tr>
<td>P50 &amp; P60</td>
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<td>4</td>
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<td>-3%</td>
<td>36%</td>
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<tr>
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<td>20</td>
<td>17</td>
<td>19</td>
<td>12%</td>
<td>-5%</td>
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<tr>
<td>K-Series</td>
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<td>29</td>
<td>32</td>
<td>40</td>
<td>25%</td>
<td>21%</td>
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<tr>
<td>T-Series</td>
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<td>12</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>7%</td>
<td>7%</td>
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</tbody>
</table>
NIH Growth in 2015

- #31 to #26, and now to #25
- $32 million new net dollars in 2014 and 2015
- 12 new funded investigators
- 3 departments in NIH top 10 (CDIB at #11)
  - OB/GYN
  - Pathology
  - Physical Medicine and Rehabilitation
- 5 departments with significant growth in NIH funding
  - Anesthesiology from #29 to #13
  - Dermatology from #23 to #15
  - Medicine from #18 to #16
  - Neurology from #30 to #24
  - Ophthalmology from #34 to #26
Recent NIH Grant $ Percent Changes in Top 30 NIH-Ranked SOMs

We have grown faster than 98% of all other medical schools in the U.S.

Blue Ridge would report UAB as 25 and Wisconsin as 24 if they reported Case Western Reserve University and Cleveland Clinic separately.
Research Focus Areas

- Personalized Medicine and Genomics
- Informatics
- Fundamentals of Basic Science Discovery
- Inflammation, Infection & Immunity
- Population Health, Health Disparities and Outcomes Effectiveness Research
Initiated recruitment of kidney transplant recipients into a biobank (n=500; 50% African American)

Expansion of the Undiagnosed Diseases Program

Implementing personalized medicine and genomics pilot projects in:
- Dementia
- Recurrent ovarian cancer
- AML
- Reactions to allopurinol
- Acute coronary syndrome
- Postnatal cardiac development
- Glioblastoma
- Oncometabolite-driven kidney cancer

Received a $7M gift from the Hugh Kaul Foundation
Recruitment
- Preliminary offer to Associate Director
- Evaluating 30 faculty applicants

Education
- Initiated proposal of B.S. in Bioinformatics with College of Arts and Sciences
- Preparing T15 application for biomedical informatics

Research Support
- Established clinical data and institutional ontology repositories

Informatics Research
- Predict research cohort availability
- Integrate genomic and patient-entered data with EHR
- Apply for U01 informatics development grants
Fundamentals of Basic Science Discovery

- Fuels translational ideas and research
- Strengthens our overall research program
- Significant contributions
  - Phase I trial testing synthetic estrogen for safety. Department of Defense, $10M contract (Irshad Chaudry, Ph.D.)
Inflammation, Infection and Immunity

- Tremendous immunology and microbiology programs at UAB
- Increasing interest in the microbiome and autoimmune diseases
- Significant contributions
  - Valganciclovir for symptomatic congenital cytomegalovirus disease. *NEJM*. March 5, 2015. (David Kimberlin, M.D.)
  - IL-1 signaling modulates activation of STAT transcription factors to antagonize retinoic acid and control the TH17 cell-iTreg cell balance *Nat. Immunology*. March 16, 2015. (Casey Weaver, M.D.)
Population Health, Health Disparities and Outcomes and Effectiveness Research

- The best health disparities and outcomes groups in the country
- Significant contributions
  - Chronic Hypertension and Pregnancy (CHAP) Project. $19.3M NIH grant (Alan Tita, M.D., Ph.D.)
Research Partnerships

- Xenotransplantation
  - $19.5 million contract with United Therapeutics
Shining a light on our state, country and world through research, education and world-class patient care.

2016 AND BEYOND
## AMC 21: Engagement

### Students
- Peer education regarding importance of GQ participation
- Identification of Q5 as critical outcome measures
- Class and learning community challenges with incentives for highest participation rates
- Visits to each campus by MSS and UME leaders

### Staff
- **Administrative**
  - Lunch and learns for administrators
- **Website for finance and HR**
- **Finance**
  - Sharing in Success 2016 payments
  - **Engagement Survey**
    - 50 questions, significantly shorter than 2014

### Faculty
- **Engagement Survey**
  - Pulse version—16 questions
- **Faculty Stress Oversight Committee**
  - Analyzed data from engagement survey and Innovation Board; submitted to JOL
- **Annual Performance Evaluations**
  - SOM guidelines
- **Mentorship**
  - Assisting chairs with improving satisfaction
Increase ED, Inpatient and Clinic access

- Multiple initiatives underway to improve access
  - Plan to pilot bedside scheduling once new hire has finished shadowing rotation
  - Medical Officer of the Day working well in the ED
  - Dedicated social worker to direct patients to Cooper Green
  - Using community health workers focused on diabetes

Expand UAB CARE clinical effectiveness improvement efforts

- 14 clinical conditions reviewed to date
- Improvement in mortality index for all but two conditions
- $9.2M realized savings
- Condition schedule developed for FY16
- Teams also working on lab, pharmacy, supply chain, imaging, throughout opportunities

AMC 21: Quality

Loring Rue, M.D.
Chief Medical Officer

overall UHC ranking
Office of Diversity and Inclusion

- Strategic Plans for Diversity and Inclusion developed by each department
- The implementation of the Diversity Engagement Survey school-wide (sent to all students, trainees and faculty)
- Re-established the UAB Branch of the American Medical Women’s Association
- Held the first Diversity and Inclusion Bootcamp for incoming medical students
- Hosted 7 HBCU college presidents and administrators during the Magic City Classic weekend as part of the Alabama Sullivan Alliance to enhance minority student recruitment into medical professions
- Held the inaugural Women in Medicine Promotion Lecture and Reception
AMC 21: Finance

SOM FY15 Uses of Funds

- Grants: $212.1M (37%)
- Space: $31.1M (5%)
- SOM Infrastructure, 2%
- Clinical + JHS Departments, Centers, & Regional Campuses: $328.4M (56%)
AMC 21: Finance

SOM Academic Enrichment Fund
Uses of Funds FY15

- Goal is to achieve $55 million
- Budgeted at $20 million (UABB)
- $34 million received in 2015 (UABV)
- Variable at approximately $15 million
SOM Academic Enrichment Fund
Uses of Funds FY15

- Chair Recruitment and Department Investments: $7,461,000
- Development of New Institutes and Centers (Recruitment of New Faculty): $5,000,000
- I3 / Foundations of Basic Science / Outcomes: $4,045,000
- Staff Appreciation Payments: $2,000,000
- Sustaining and Growing Faculty: $500,000

 internal investment
$657,502,600
UAB campaign total

$428,256,578
School of Medicine campaign total

65.1%
School of Medicine percent of all funds raised

All figures as of 12/31/15
AMC 21: Advancement of Knowledge

- Establishment of Physician Scientist Development Office
- Incorporated service learning into medical student education
- HSF General Endowment Fund grant to renovate clinical skills center
- Working to develop novel clinical skills assessment throughout clinical curriculum
Global Health

- Gates Foundation Grand Challenges-All Children Thriving
  - To improve mother-child health in developing countries
  - UAB received 2, $2.5 million grants to:
    - Develop a cervical ring to detect and prevent pre-term labor
    - Create a low-cost, one-time blood test for gestational diabetes
- CIDRZ – Center for Infectious Disease Research in Zambia
  - NIH-funded clinical trials unit
Strategic Objectives for 2016

**Space**
Conducting a strategic assessment of all SOM space by outside consultant and developing strategic plan and budget

**Financial Health**
Ensuring appropriate resources to support the enterprise

**Research Pillar Goals**
Personalized medicine; informatics; basic science discovery; I3; population health, health disparities and outcomes effectiveness research

**Faculty Support**
Faculty dedicated to onboarding, faculty stress committee

**Prioritization of Education**
Extensive internal and external review of all components of undergraduate medical education