COM General Faculty Meeting
June 9, 2015

- Announcements (Dr. Joe Springer)
- Strategic Plan (Provost Tim Tracy)
- CoM Update (Dean Frederick C. de Beer)
OUR VISION
Transforming Tomorrow

As Kentucky’s indispensable educational institution, we transform the lives of our students and advance the Commonwealth we serve and beyond through our teaching and learning, diversity and inclusion, discovery, research and creativity, promotion of health, and deep community engagement.
Undergraduate Student Success

Objective: To be the University of choice for aspiring undergraduate students, within the Commonwealth and beyond, seeking a transformational education that promotes self-discovery, experiential learning, and life-long achievement.

• **Strategic Initiative 1:** Enhance the success of our increasingly diverse student body and help ensure timely degree completion and career planning through high-impact, student-centered support systems.

• **Strategic Initiative 2:** Enhance students' learning and their preparation for contributing to a rapidly changing world as leaders and scholars through the provision of new and innovative curricular offerings and state-of-the-art teaching.

• **Strategic Initiative 3:** Enrich students’ undergraduate education through transformational experiences of self-discovery and learning.
Graduate Education

Objective: Strengthen the quality and distinctiveness of our graduate programs to transform our students into accomplished scholars and professionals who contribute to the Commonwealth, the nation, and the world through their research and discovery, creative endeavors, teaching, and service.

• Strategic Initiative 1: Recruit and retain outstanding graduate students from all backgrounds.

• Strategic Initiative 2: Invest in graduate programs that have distinctive synergy with UK’s research priorities and/or whose graduate students demonstrate excellence at the national or global levels.

• Strategic Initiative 3: Elevate the quality and richness of the graduate student experience and increase the national competitiveness of UK’s graduate programs.
Diversity and Inclusivity

Objective: Enhance the diversity and inclusivity of our University community through recruitment and retention of an increasingly diverse population of faculty, staff and students and by implementing initiatives that provide rich diversity-related experiences for all, to help ensure their success in an interconnected world.

• Strategic Initiative 1: Foster a diverse community of engaged students
• Strategic Initiative 2: Improve Workforce Diversity and Inclusion
• Strategic initiative 3: Engage diverse worldviews and perspectives by increasing awareness of diversity and by communications across campus that address these issues.
Research and Scholarship

**Objective:** Expand our scholarship, creative endeavors, and research across the full range of disciplines to focus on the most important challenges of the Commonwealth, our nation, and the world.

- **Strategic Initiative 1:** Invest in UK's existing strengths and areas of growth in selected focus areas that benefit and enrich the lives of the citizens of the Commonwealth and beyond.
- **Strategic Initiative 2:** Recruit and retain outstanding faculty, staff and students that support our research and scholarship across the range of disciplines at the University.
- **Strategic initiative 3:** Improve the quality of the research infrastructure across campus.
- **Strategic Initiative 4:** Strengthen engagement efforts and translation of research and creative work for the benefit of the Commonwealth of Kentucky, the nation and the world.
Outreach and Community Engagement

Objective: Leverage leading-edge technology, scholarship and research in innovative ways to advance the public good and to foster the development of citizen-scholars.

• Strategic Initiative 1: Renew our institutional commitment to promote the public good through the sustainable application of our expertise and resources to meet challenges and disparities associated in social, economic, environmental, educational, and health issues.

• Strategic Initiative 2: Deepen student learning through community engagement.
Next Steps

• Currently drafting “key” metrics for each of the five objectives
• Over Summer will be developing implementation plans for each objective and the initiatives and action steps that will include prioritization, timelines and finances.
• Also, will be developing “secondary” metrics.
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General Faculty Meeting
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June 9, 2015
Student Success
M.D. Program Applicant Pool Increased National Interest

![Bar Chart]

- **Total Applicants**
- **Kentucky Applicants**

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Applicants</th>
<th>Kentucky Applicants</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>1000</td>
<td>500</td>
</tr>
<tr>
<td>2011</td>
<td>2000</td>
<td>500</td>
</tr>
<tr>
<td>2012</td>
<td>2200</td>
<td>500</td>
</tr>
<tr>
<td>2013</td>
<td>2400</td>
<td>500</td>
</tr>
<tr>
<td>2014</td>
<td>2600</td>
<td>500</td>
</tr>
<tr>
<td>2015</td>
<td>2800</td>
<td>500</td>
</tr>
</tbody>
</table>
M.D. Program Total Enrollment 2011 - 2016

17% growth

Enrolled Students

2011-2012: 465
2014-2015: 509
2016-2017 (projected): 544
## UKCOM and U.S. MCAT Matriculant Averages

### Increased Class Size without Sacrificing Quality

<table>
<thead>
<tr>
<th>Year</th>
<th>UKCOM Matriculant Mean</th>
<th>UKCOM Matriculant Range</th>
<th>National Matriculant Mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>31.9</td>
<td>26–39</td>
<td>30.7</td>
</tr>
<tr>
<td>2013</td>
<td>31.7</td>
<td>27–41</td>
<td>31.3</td>
</tr>
<tr>
<td>2012</td>
<td>31.9</td>
<td>25–40</td>
<td>31.2</td>
</tr>
<tr>
<td>2011</td>
<td>30.5</td>
<td>24–38</td>
<td>31.1</td>
</tr>
</tbody>
</table>
Outcomes of New M.D. Curriculum

• 2012: preclinical curriculum changed from department/discipline–based courses (pharmacology, microbiology, etc.) to multidisciplinary systems–based courses (cardiology, gastrointestinal)

• Highest United States Medical Licensing Exam (USMLE) Step 1 score ever in the UKCOM

• Highest USMILE Step 1 pass rate since 1998
  ◦ 98% pass vs. 96% nationwide
UKCOM Match 2015

• 38% will be entering Primary Care residencies defined as Internal Medicine, Pediatrics, Med–Peds and Family Medicine.
• Students matched into 22 different specialties.
• 29% will be staying at UK for their residencies.
• Match sites beyond UK:
  - Yale
  - Mt. Sinai
  - Emory
  - Vanderbilt
  - UCLA
  - UCSF
  - Pittsburgh
  - Stanford
  - Virginia
  - North Carolina
  - Barnes–Jewish
UK CoM Graduates Staying for Residency Training (2011–2015)
Annual Total Medical House Officers

- 2003-04: 426 Residents, 57 Fellows, Total 483
- 2011-2012: 478 Residents, 85 Fellows, Total 563
- 2012-2013: 495 Residents, 87 Fellows, Total 582
- 2013-2014: 508 Residents, 90 Fellows, Total 598
- 2014-2015: 521 Residents, 93 Fellows, Total 614

Number of House Officers

- Residents
- Fellows
Program Accreditation Status

• Total of 54 medical training programs
  o 29 Residency Programs
  o 25 Fellowship Programs
    • Three newly ACGME-accredited fellowships for 2014–2015
      o Neuroradiology
      o Advanced Heart Failure / Transplant Cardiology
      o Critical Care Medicine

• All with Continued Accreditation from ACGME

• No programs on probation
## UK HealthCare Investment in Education*

<table>
<thead>
<tr>
<th></th>
<th>FY14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education—GME</td>
<td>$37</td>
</tr>
<tr>
<td>Less: Federal Support**</td>
<td>($12)</td>
</tr>
<tr>
<td>Total UKHC—GME</td>
<td>$25</td>
</tr>
<tr>
<td>Education—Other</td>
<td>$10</td>
</tr>
<tr>
<td>Total UKHC Investment</td>
<td>$35</td>
</tr>
</tbody>
</table>

*in millions

**DME support from Medicare/Medicaid
Recruitment Initiatives:

• Scholarship allocation:
  o 100% of under-represented minority students receive scholarships
  o $100,000 additional scholarship allocation for 15–16

• UKMED

• Bridges to Medicine

• Student National Medical Association Conference

• College Visits Recruitment
  o Focus on colleges with a large minority population (Berea College)

• Contacts and Counseling

• UK Chapter of Student National Medical Association

• Minority student and faculty member membership on the UKCOM Admissions Committee
2015 Incoming M1 Class

African American: 8%
Asian: 15%
Hispanic: 1%
Not reported: 1%
Appalachian: 16%
International: 6%
## National Physician Shortage

**Opportunity:** Train physicians to meet Kentucky needs.

<table>
<thead>
<tr>
<th>Year</th>
<th>All Physicians</th>
<th>Primary Care Physicians</th>
<th>Medical Specialists</th>
<th>Surgical Specialists</th>
<th>“Other” Specialists</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010 Projection to 2025</td>
<td>130,000</td>
<td>65,800</td>
<td></td>
<td>64,800 combined</td>
<td></td>
</tr>
<tr>
<td>2015 Projection to 2025</td>
<td>46,100 to 90,400</td>
<td>12,500 to 31,100</td>
<td></td>
<td>28,200 – 63,700 combined</td>
<td></td>
</tr>
</tbody>
</table>

Rural Physician Leadership Program

- Initiated in 2009.

- Allows students to complete their first two years of medical school curriculum in Lexington and two years of clinical experience at St. Claire Regional Medical Center in Morehead.

- Designed to increase the number of physicians who are:
  ◦ trained to provide high-quality health care and leadership;
  ◦ knowledgeable about community health; and
  ◦ who will address the acute shortage of physicians in the rural areas of the Commonwealth.

- 10 students accepted into 2015 M1 class.
Research
College of Medicine
Research Strategies

- **Strategy 1**: Support thematic research in areas of strength that advance standard of care and address health problems relevant to the Commonwealth.
  - Cancer
  - Cardiovascular
  - Neurosciences
  - Substance Abuse
  - Health Services

➢ *Directly aligns with University Initiatives 1, 2 & 4.*
Strategy 2: Develop and expand core research facilities that utilize cutting-edge technologies that support areas of research strength.

The confluence of modern bioscience research necessitates availability of state-of-the-art University level core facilities for integrated research. For example:

- Metabolomics
- Genomics
- Proteomics
- Bioinformatics
- Imaging
- Translational Research

Directly aligns with University Initiative 3.
College of Medicine Research Strategies

- **Strategy 3**: Assure that human and physical research resources are aligned to maximize impact in addressing research priorities.
  
  - Develop centralized, systematic processes for recruiting faculty in research priority areas.
  - Optimize research space utilization using established metrics.
  - Create an ongoing strategy to finance and build/remodel research space to meet future needs.

➢ *Directly aligns with University Initiatives 2 & 3.*
### UK HealthCare Colleges Awarded Sponsored Projects
**As of April 2014 & 2015**

<table>
<thead>
<tr>
<th></th>
<th>As of 04/30/14</th>
<th>As of 04/30/15</th>
<th>Variance</th>
<th>Variance %</th>
</tr>
</thead>
<tbody>
<tr>
<td>HealthCare Colleges</td>
<td>113,509,258</td>
<td>133,540,190</td>
<td>20,030,932</td>
<td>17.65%</td>
</tr>
<tr>
<td>Other UK</td>
<td>110,945,336</td>
<td>116,220,202</td>
<td>5,274,866</td>
<td>4.75%</td>
</tr>
<tr>
<td><strong>Total University</strong></td>
<td><strong>224,454,594</strong></td>
<td><strong>249,760,392</strong></td>
<td><strong>25,305,798</strong></td>
<td><strong>11.27%</strong></td>
</tr>
</tbody>
</table>

HealthCare as % of Total UK: 50.57% → 53.47%
# Investment in Research*

<table>
<thead>
<tr>
<th></th>
<th>FY13</th>
<th>FY14</th>
<th>FY15 Ann.</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>VPR Indirects</td>
<td>$10</td>
<td>$18</td>
<td>$8</td>
<td>$36</td>
</tr>
<tr>
<td>UKHC/Clinical</td>
<td>$9</td>
<td>$8</td>
<td>$12</td>
<td>$29</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$19</td>
<td>$26</td>
<td>$20</td>
<td>$65</td>
</tr>
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</table>

*in millions
# Total UK Healthcare Academic Investment*

<table>
<thead>
<tr>
<th></th>
<th>FY14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education (GME &amp; Other)</td>
<td>$35</td>
</tr>
<tr>
<td>UKHC Research</td>
<td>$8</td>
</tr>
<tr>
<td>Total UKHC Investment</td>
<td>$43</td>
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*in millions