A Conversation

Ann Bonham, PhD
Chief Scientific Officer
June 2013
• The Landscape
• Research Ecosystem
• AAMC: What are we doing?
• GRAND: Celebrating and Listening
• The Way Forward
The National Landscape

The Landscape

NIH National Institutes of Health
Turning Discovery Into Health
For Immediate Release Monday, June 3, 2013
Fact sheet: Impact of Sequestration on the National Institutes of Health

The Changing Face of America, 1950-2050

The National Healthcare Disparities Report 2011
I HATE YOU.

I HATE YOU MORE.

LOOK THEY'RE TALKING....

REPUBLICAN

DEMOCRAT

BY LUCKOVICH FOR THE ATLANTA CONSTITUTION
The Research Ecosystem

NCATS
CTSAs 2.0

Adult Obesity
33.8% compared to average 16.9%

Patient-Centered Outcomes Research Institute
pcori

HMO Research

Genetic Alliance

NCATS

Drug Discovery Pre-clinical Clinical Trials FDA Review Clinic

10,000 Compounds 250 Compounds 5 Compounds 1 Approved Drug

Ethical Oversight Learning Health Care System

1st

Adult Obesity

Cancer LINQ

Learning Intelligence Network for Quality

ASCQ
The Best of Times, the Worst of Times

Strategic Support of Med. School Programs from Hospital Funds

How Successful People Become Even More Successful!

What Got You Here Won’t Get You There

MARSHALL GOLDSMITH

WITH MARK REITER

AAMC
What is the AAMC Doing?

A Guiding Principle:
Guiding Principle: Improving Health through the Full Spectrum of Medical Research

- Fundamental Discovery Research
- Comparative Effectiveness
- Patient Outcomes Research
- Community & Population Research
- Health Care Delivery Research
- Health Equity
- Diverse Workforce
- Implementation & Quality Improvement Research
How we work

- Policy and Advocacy
- Listening
- Helping Members Build Capacity
- Convening

- Deans
- Health System CEOs
- Advisory Panel for Research
- GRAND
- GREAT
- FACULTY
- Patient Organizations
- Funders
Leave Judging Science in the Hands of Scientists

Posted on May 13, 2013

By Ann Bonham, Ph.D.

VIDEO EXTRA:

Medical Research in Today’s Fiscal Reality

Vivian Lee, MBA, MD, Ph.D.
Dean, University of Utah School of Medicine
CEO, University of Utah Health Care

American Science Struggles Through Budget Cuts

The U.S. is living through big cuts in basic research. We'll look at what that means for science and the future of American competitiveness.

Lorraine Guertin, chair of pharmacology at Weill Cornell Medical College, participates in a “Rally for Medical Research” Monday, April 8, 2013, in Washington. The rally focused on sequestration’s cuts to NIH funding, impacting patients, jobs and research. (Jacquelyn Martin/AP)

Guests

Alexandra Witze, correspondent for Nature. (@alexwitze)

Paul Alivisatos, director of the Lawrence Berkeley National Laboratory. He’s also a professor of chemistry and materials science at the University of California Berkeley. (@PauAlivisatos)

Ann Bonham, chief scientific officer at the Association of American Medical Colleges and professor of pharmacology and internal medicine at the University of California Davis.

Barney Keller, communications director of the Club for Growth. a 501(c) (4) organization that promotes reining in government spending. (@barneykeller)
The New York Times
Clamor to Be Spared the Pain as Budget Cuts Descend
By ROBERT PEAR
Published: March 13, 2013

Dr. Robert P. Kimberly, a senior associate dean of the medical school at the University of Alabama, Birmingham, said he had informed members of Congress that “our research programs are already being cut back.”

#NIHSequesterImpact Cuts to NIH will decrease new Ro1's by 700, taking success rates to below 4%. This is devastating to medical research.

Students see faculty struggling with grants & are pursuing other careers. We are losing a generation of scientists.
What is the AAMC Doing?

- Policy and Advocacy
- Listening
- Helping Members Build Capacity
- Convening
Helping Members Build Capacity...

*CMMI, PCORI, NIH, AHRQ*

- Implementation & Quality Improvement Research
- Health Care Delivery Research
- Health Equity
- Diverse Workforce
- Fundamental Discovery Research
- Comparative Effectiveness
- Patient Outcomes Research
- Community & Population Research

*AAMC*
Low Prestige
Insufficient Researchers
Data Collection Infrastructure
Lack of Systems Orientation
Perceived HIPAA & IRB Barriers
Funding
Research & QI Disconnect
Release Time for Clinicians
Internal Financial Winners & Losers
Merits & Promotion
Low Prestige
Need to Document ROI
Interview Study
Research on Care Community
ROCC Initiatives

Advancing Effectiveness Research and Implementation Science in Our Own Backyards
AAMC/Donaghue Grant Opportunity for Academic Medical Centers

June 24, 2013
Deadline for Proposal Receipt

Making Research Relevant and Ready

NEW!

Learning Health System Challenge Awards
Addressing Health Inequities through Research and Policy

a complex, multi-faceted problem
Social Determinants

Discovery Science

Quality Metrics

From descriptions to solutions
What is the AAMC Doing?
Principled Partnerships

Academic Medicine & Industry
Balancing: Convergence of Public Interest and Conflict of Interest
AAMC Initiative: Cost and Effectiveness of Implementing PHS Rule on fCOI
Expanding Principled Partnerships

Academic Medicine & Industry
Cost of Research?!

Value of Research?!
AAMC COST SURVEY:

A tool for: creating shared definitions of “costs or investments”:

1. to defend our investment in research with data
2. to bring attention to shifting costs to our members
3. to provide an educational tool for faculty and other stakeholders
AAMC: Measuring Research Initiative...the value issue

Measuring research
A guide to research evaluation frameworks and tools

WEBINAR Monday, July 8
10-11am EST

The AAMC Research Evaluation Project - RAND Report Release

New & Shifting Research Models Expert Panel

Health Equity Research Expert Panel
YOU’RE GRAND!
Joining Forces: Research and Research Training

GREAT & GRAND Joint Meeting
Sept 2012

Building Bridges and Spanning Boundaries: Award for Innovations in Research Training and Education
An Assessment of Bridge Funding in U.S. Medical Schools

New discoveries and medical breakthroughs from biomedical research depend on sustained support from the federal government or other external sources. In a fiscal environment where the National Institutes of Health (NIH) budget has fallen by close to 20 percent after inflation, competition for dwindling dollars in federal grants has increased markedly. Some of the most successful career investigators with highly rated peer-reviewed projects have experienced sudden interruptions in funding, as success rates for research project grant applications and funding have declined. In addition, the number of investigators experiencing an interruption or termination in their research funding is expected to increase, as further budget cuts for funding of biomedical research are likely.

Whether an institution’s research program conducts $600 million or $60 million in NIH-sponsored research, the increased

Individual Bridge Award Amounts among U.S. Medical Schools Reporting Bridge Funding Programs (n=74)*/

<table>
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<tr>
<th>Number of Responding Institutions</th>
<th>$50K</th>
<th>$51 - 100K</th>
<th>$101 - 150K</th>
<th>&gt;$151K</th>
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<tr>
<td>Number (%)</td>
<td>34 (46%)</td>
<td>25 (34%)</td>
<td>1 (1%)</td>
<td>3 (4%)</td>
<td>7 (9%)</td>
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GRAND 2013 Attendees

THANK YOU
The Way Forward
Let’s not spend our time improving the “propeller” when we are in the jet age – and space age.
Focus on what you do best
Our future is our next generation

3. Ensuring sustainability of the research enterprise and research workforce by strong partnerships across research and education leadership
New models, new partnerships

4.

The New York Times
Young Scientists Embrace Crowdfunding
By KELLY SLIVKA

Crowdfunding, or appealing to the online community for funds for personal projects, seems to be thriving. One of the best-known platforms is Kickstarter, which generally features projects that are creative in nature – musicians seeking to record an album, for example, or inventors pursuing an idea.

But young scientists struggling unsuccessfully to obtain funds through traditional routes like foundation grants are also experimenting with crowdfunding these
“The culture of academic medicine is being increasingly seen as ‘not getting it’” – a CEO and Dean

“time to be change agents”
Remember: Medical Research
(the privilege of discovering and applying knowledge to improve health...of all)...my story