Research at UNC-Chapel Hill:
Who We Are, Where We’ve Been, and Where Are We Going

Barbara Entwisle, PhD
Vice Chancellor for Research
Annual Symposium for Research Administrators
July 31, 2014
UNC-Chapel Hill: A Global Public Research University

Mission:
To create, apply, and disseminate new knowledge for the benefit of the citizens of North Carolina, the nation and the world.
“A consortium led by UNC-Chapel Hill has won a $180 million federal grant to continue its nearly two-decade effort to improve the collection and use of public health data in dozens of countries.

Entwisle: “What’s important here is that not only are we applying the tool kit, we are inventing the tool kit.”

“All told, the project has attracted nearly $600 million in federal funding since it began in 1997 and is working in about 30 countries at any given time.”

Read more here: http://www.newsobserver.com/2014/07/01/3978096/unc-chapel-hill-center-wins-180.html#storylink=cpy
Perspectives on Research

- Awards, as tracked by RAMSES
- Expenditures, as tracked by the NSF
- Allocations as tracked by AAAS
Trends in Awards

UNC-Chapel Hill Research funding, FY 1997 to 2014, including funding from the American Recovery and Reinvestment Act of 2009
Research is the Largest Source of Revenue for the University
Benefits to North Carolina

- UNC-CH research directly supported over 10,300 individuals totaling over $300M in FY13.
Benefits to North Carolina

• Significant research funds spent with vendors in the State of NC resulting in further economic impact.

• In FY13, UNC-CH research projects funded:
  • More than 14,000 orders to NC-based vendors
  • More than 1,100 different vendors in 80 counties
  • More than $70 million in purchases in NC
Sources of Funding for UNC-Chapel Hill Research (FY13)

All Funding Sources

- State Government: 4%
- Foundations: 6%
- Business and Industry: 6%
- Educational and Research Institutions: 7%
- Federal Government: 72%
- Non-U.S. Federal: 0%
- Local Government: 0%
- Nonprofit Organization: 3%
- Associations: 1%
- Other Sponsors: 1%

Federal Funding Only

- NIH: 75%
- DHHS (non-NIH): 4%
- USAID: 4%
- NSF: 7%
- DOD: 2%
- DOE: 1%
- Dept. Homeland Security: 1%
- Other EPA: 2%
- Other DOEd: 2%
## Total Research Expenditures, University Rankings, FY12 (in millions)

<table>
<thead>
<tr>
<th>Ranking</th>
<th>Institution</th>
<th>FY 2012</th>
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<tbody>
<tr>
<td>1</td>
<td>Johns Hopkins University</td>
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<td>2</td>
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<td>Massachusetts Institute of Technology</td>
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Federal Research Expenditures, University Rankings, FY 12 (in thousands)

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Make-up of UNC-Chapel Hill Research Portfolio (FY11)

- Agricultural Sciences: 0%
- Biological Sciences: 24%
- Medical Sciences: 37%
- Other Life Sciences: 12%
- Math, Computer & Physical Sciences: 7%
- Social & Behavioral Sciences: 13%
- Other Sciences: 4%
- Engineering: 0%
- All non-S&E fields: 3%
- All non-S&E fields: 3%
Make-up of UNC-Chapel Hill Research Portfolio Compared to Duke, NC State

Future Trends in Federally Funded R&D

Federal R&D in FY 2015: Context, Overview, Outlook

Matt Hourihan
June 12, 2014
for the Council on Government Relations

AAAS R&D Budget and Policy Program
http://www.aaas.org/spp/rd
Federal Nondefense R&D Under Various Scenarios

billions of constant 2014 dollars

Source: AAAS R&D reports and analyses of agency and legislative documents. Adjusted for inflation using deflators from the FY 2015 request. R&D includes conduct of R&D and R&D facilities. © AAAS 2014
Strategies for Success at UNC-Chapel Hill

• Diversify Funding Sources
  – Continue success with NIH
  – Increase awards from other federal sources
  – Increase industry support

• Allow Faculty to Focus on their Research
Dr. Barbara Entwisle
Vice Chancellor for Research
The University of North Carolina at Chapel Hill
312 South Building, CB 4000
Chapel Hill, NC 27599-4000
919-962-1319
entwisle@email.unc.edu

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http://research.unc.edu