



Securing Federal Funding

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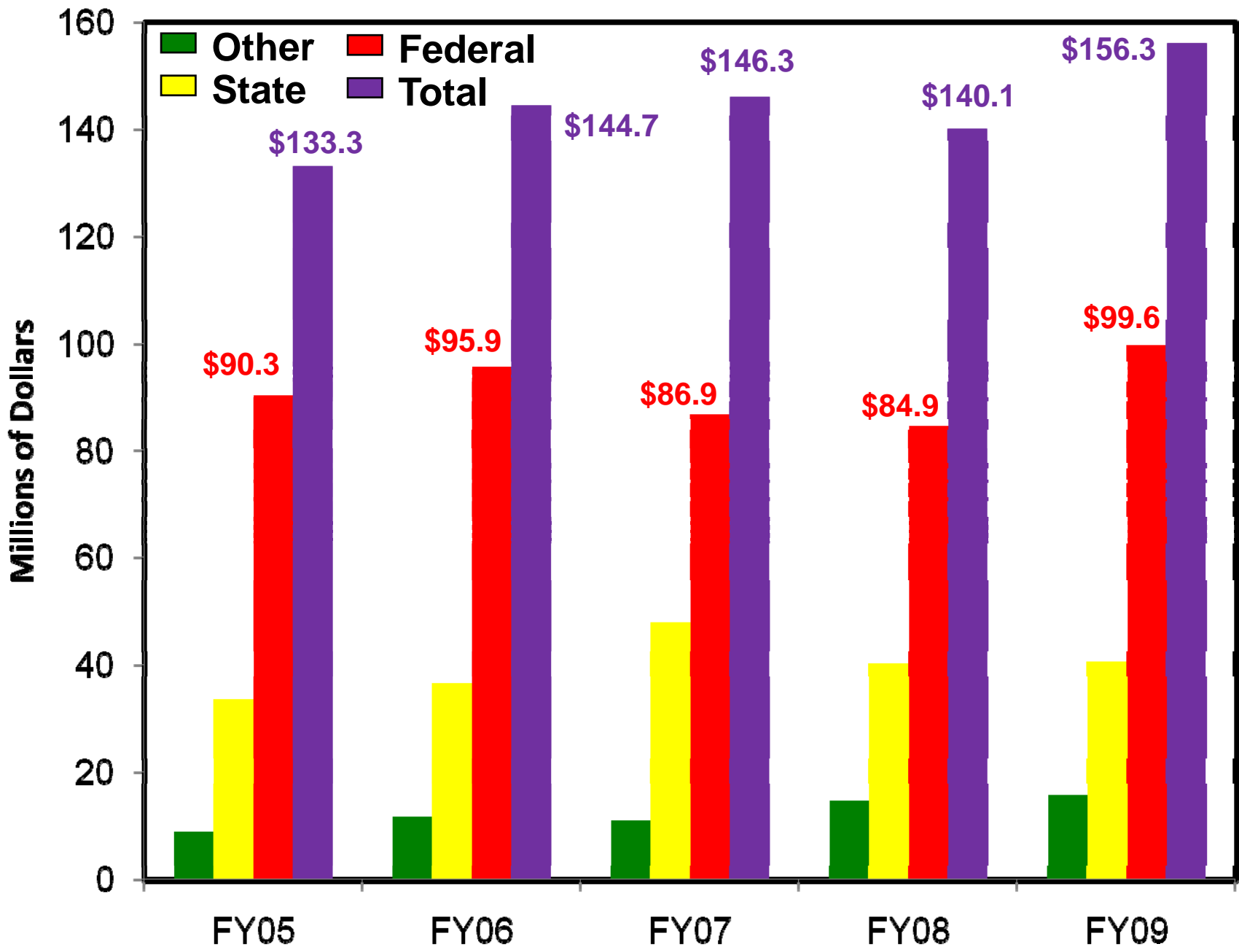
Office of Research and Economic Development

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ORED

- Support faculty in research endeavors
 - Insure integrity of the research mission
 - Assure adherence to diverse federal and state regulations and laws pertaining to research
 - Promote interdisciplinary research
 - Increase external funding
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External Funding – Federal

- Grants.gov
 - Central storehouse for information about grant programs
 - http://www.grants.gov/aboutgrants/about_grants_gov.jsp
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Federal Agencies that Provide Grants

http://www.grants.gov/aboutgrants/agencies_that_provide_grants.jsp

- Department of Agriculture
 - Department of Defense
 - Department of Energy
 - Department of Health and Human Services
 - Department of Homeland Security
 - Department of Transportation
 - Environmental Protection Agency
 - National Aeronautics and Space Administration
 - National Endowment for the Humanities (NEH)
 - National Science Foundation
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National Science Foundation

www.nsf.gov

- Mission

- “to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense...”

- Grant Proposal Guide

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg





National Science Foundation

- Program Areas
 - Biology, Computer and Information Sciences
 - **Crosscutting Areas**
 - Cyberinfrastructure
 - Engineering
 - Environmental Research
 - Geoscience
 - International
 - Mathematics and Physical Sciences
 - Polar Research
 - Social, Behavioral and Economic Sciences
-



National Science Foundation Proposal Requirements

- Intellectual Merit
- Broader Impacts





Intellectual Merit

- NSF Funds Basic Research
- Contributing to advancing theoretical understandings or improving methods
- Important for advancing knowledge
- Qualifications of proposer
- Originality
- ...



Broader Impact

- To what extent will the activity enhance the infrastructure for research and education?
 - Will the results be disseminated broadly to enhance scientific and technological understanding?
 - What may be the benefits of the proposed activity to society?
 - Does it broaden participation with underrepresented groups?
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Dissemination Strategies

- Newsletter
 - Conferences
 - Journals
 - Brochures
 - Books
 - Displays
 - Audiovisual materials
 - Briefings
 - Press releases
 - Seminar or course
 - Self-instruction modules
 - Website
-



Department of Energy

Office of Science



Office of Science
U.S. Department of Energy

<http://www.sc.doe.gov/grants/FAPN09-01.html>

Fusion Energy
Sciences

Nuclear
Physics

Biological and
Environmental
Research

Basic Energy
Sciences

Workforce
Development for
Teachers and
Scientists

Advanced
Scientific
Computing

High Energy
Physics



National Institutes of Health

www.nih.gov

- Mission
 - Steward of medical and behavioral research for the Nation
 - Pursuit of fundamental knowledge about the nature and behavior of living systems and the application of that knowledge to extend healthy life and reduce the burdens of illness and disability.
 - Invest over \$28 billion in medical research
 - 27 Centers and Institutes
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National Institutes of Health

www.nih.gov

- Extramural grants
 - approximately 84% of NIH's \$29 billion budget
- *An Introduction to Extramural Research at NIH*

<http://grants.nih.gov/grants/intro2oer.htm>



Other External Funding Sources

- National Foundations
 - Rockefeller Foundation
- Community Foundations
 - Baton Rouge Area Foundation
- Corporate Foundations
 - AT&T Foundation
- Other
 - Robert Wood Johnson Foundation
 - National Geographic Society
-

http://www.research.lsu.edu/fund_foundations1.shtml



Funding Opportunities LaSMARTS, LaGENIUS, and SPIN

- LaSMARTS
 - Matches faculty profiles with funding opportunities
 - Delivers automatic updates to your e-mail regularly
 - LaGENIUS
 - Searchable expertise profile containing faculty CVs
 - SPIN
 - Customized searches
 - Contact Matt Edwards in ORED – medwards@lsu.edu
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Writing Successful Grants



Approaching the Grant Process

- Develop a unique idea
 - Express idea clearly
 - Get to know the relevant program officer at the agency
 - Ask others to read proposal
 - Serve as a reviewer
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Guiding Factors

- Convince reviewers that *someone should fund* this research
- Convince reviewers that *you should conduct* this research





Clear writing is crucial!





Critical Questions

- Why? → • Statement of Need
 - What? → • Objectives
 - How and when? → • Procedures
 - How well? → • Evaluation
 - Who will be informed of results? → • Dissemination
 - Who will benefit? → • Broader Impact
 - How much? → • Budget
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Bottom Line

- *Credibility of the problem*
 - *Credibility of the investigators*
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Unfunded Proposals

- Get all available information from the funding agency
 - Do not be demoralized by reviewer comments
 - Accept comments as a constructive part of a competitive review process
 - Ask colleagues to read your proposal
 - Visit the funding agency
 - Try again
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Thank you