Annual Conference on
EFFECTIVE RESEARCH MANAGEMENT
Proposing, Performing, and Managing Successful Research Projects

Farrell Learning and Teaching Center

Wednesday
March 26, 2008

Informational Sessions
1:00—5:00

Research Administration and Compliance Expo
12:30—3:30

Thursday
March 27, 2008

Informational Sessions
1:00—4:30

Research Core Facilities and Services Expo
12:30—3:30
Resources and Initiatives to Support Research at Washington University Medical School

Samuel L. Stanley, Jr., MD
Vice Chancellor for Research

Effective Research Management
3.26.2008
Scope and Breadth of Research at Washington University

- Total funding for fiscal year 2007 was $537.5 million
- School of Medicine receives 86.4% of research funding.

Source: OVCR FY 2007 Annual Report
Licensing Revenue

• Total licensing revenue for fiscal year 2007 was over $12 million
• School of Medicine generates 89% of licensing revenue.

Source: OVCR FY 2007 Annual Report
Current Challenges—NIH BUDGET

• Decline after Doubling
  – Far more serious—will have long range impact both financially and possibly on young PIs.
Annualized Growth of the NIH Budget, 1971 to 2005

Source: Loscalzo, NEJM (2006)
Figure 1. NIH Appropriations (Adjusted for Inflation in Biomedical Research) from 1965 through 2007, the President’s Request for 2008, and Projected Historical Trends through 2010.

All values have been adjusted according to the Biomedical Research and Development Price Index on the basis of a standard set of relevant goods and services (with 1998 as the base year). The trend line indicates average real annual growth between fiscal years 1971 and 1998 (3.34%), with projected growth (dashed line) at the same rate. The red square indicates the president’s proposed NIH budget for fiscal year 2008, also adjusted for inflation in biomedical research.
The Brutal Facts:
NIH funding, FY 1995-2009 (in billions)
Washington University Funding History
FY 87 – FY 07

- Private Sources
- Total Government
- Grand Total

Years
FY87, FY88, FY89, FY90, FY91, FY92, FY93, FY94, FY95, FY96, FY97, FY98, FY99, FY00, FY01, FY02, FY03, FY04, FY05, FY06, FY07
How do we deal with this?

IF THE PIE SHRINKS WE NEED A BIGGER PIECE—IMPROVE COMPETITIVE POSITION

Provide state of the art infrastructure.
- Facilities
- Cores—leverage these resources, avoid duplication

Improve support for faculty in all phases.

Keep your chin up and keep submitting: Persistence is rewarded.
Success Rate for New (Type 1) Competing R01 Applications for *All Applicants*

- **Success Rate for New (Type 1) Competing R01 Applications for All Applicants**

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Original</th>
<th>First Amendment (A1)</th>
<th>Second Amendment (A2)</th>
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<tr>
<td>1998</td>
<td>20.7%</td>
<td>34.2%</td>
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</tbody>
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Success Rate

- Original
- First Amendment (A1)
- Second Amendment (A2)
Existing Services for Researchers

- Electronic systems and tools
- Education and training
- Resources
- Support
Support

• Fee based grant editorial/writing
  – Academic Publishing Services • http://aps.wustl.edu

• Advocacy on behalf of WU researchers
  – Provide comment on proposed Federal regulations
  – Respond to requests from Congress and Federal regulatory agencies
  – Participation in national groups that seek to improve the research enterprise
Strategic Research Planning and Support

MS and OVCR Strategic Plans

• Strategic Application Support Services (SASS)
  – Digital grants library
  – Boilerplate language
  – Specialists in G and C with expertise in large scale budgets, subawards, etc.
  – Immediate access to data for funding areas, known cores, PI interests
  – Mock study sections
Coordinated Compliance Management

• Faculty Compliance Profile
  – Generates user-specific compliance requirements
  – Displays user requirement status (complete/incomplete)
  – Provides direct access to training/information

• Faculty Guide to Compliance Requirements
  – Consolidates information regarding a broad spectrum of WU compliance requirements
  – NOW AVAILABLE via http://complianceguide.wustl.edu
Education and Training

• Programs for Researchers
  – Effective Research Management
  – Proposal Development Education
  – Financial Management of Sponsored Projects

• Programs for Administrators and Research Staff
  – Financial Management of Sponsored Projects
  – Necessary Elements for Clinical Research Coordinators
  – Research Billing, Budgets, and Compliance

• Access program info via the OVCR Events Calendar  http://research.wustl.edu

• Research News  http://researchnews.wustl.edu/
Responsible Conduct in Research Education

- Content under development by WU faculty
- Web modules and face-to-face sessions
- Fall 2008: initial program launch (2 modules)

http://percss.wustl.edu
OVCR Website Improvements

• [http://research.wustl.edu](http://research.wustl.edu)

• Top priorities:
  – Competent search feature
  – Simple, easy, and intuitive navigation
  – Current and well-organized content

• New front page to be launched summer 2008
Leadership | Support | Service

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Featured Services

**Submission**

**Proposal Help**
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**Core Research Facilities**

Research News

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[READ MORE]

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[VIEW ALL RESEARCH NEWS]

Upcoming Events

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- **Oct 20**
- **Oct 29**
- **Nov 11**

[VIEW ALL UPCOMING EVENTS]
Resources

• OVCR Website  http://research.wustl.edu

• Proposal Help  http://proposalhelp.wustl.edu
  – Tools for preparing proposals including writing resources, abstracts about campus resources and facilities, and sample proposals.

• Institutional data  http://research.wustl.edu/WUSTLdata.html
  – Compilation of data frequently requested by funding agencies

• 2007 OVCR Annual Report
  http://vcresearch.wustl.edu/AnnualReport/Home.htm
Faculty Gateway

- One stop, one password
- Compliance history and needs—links to all required training
- Financial reporting
- Grants submission
- Links to eIRB, eSirius, OTM
- Find funding opportunities, collaborators
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Office of the Vice Chancellor for
RESEARCH

Washington University in St. Louis