



Stony Brook University

RESEARCH AND INNOVATION TASK FORCE

CO-CHAIR



Anissa Abi-Dargham, MD

Associate VP for Clinical and Translational Science
Vice Chair for Research in Psychiatry,
Renaissance School of Medicine

CO-CHAIR



Jon Longtin, PhD, PE

Associate Dean for Research and Entrepreneurship, College of Engineering and Applied Sciences

MODERATOR



Rose Martinelli

Vice President for Strategic Initiatives

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Stony Brook University

RESEARCH AND INNOVATION TASK FORCE MISSION

Achieving Financial Sustainability

INFORMATION

stonybrook.edu/financial-sustainability

CO-CHAIRS

Anissa Abi-Dargham

Jon Longtin

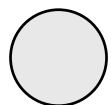
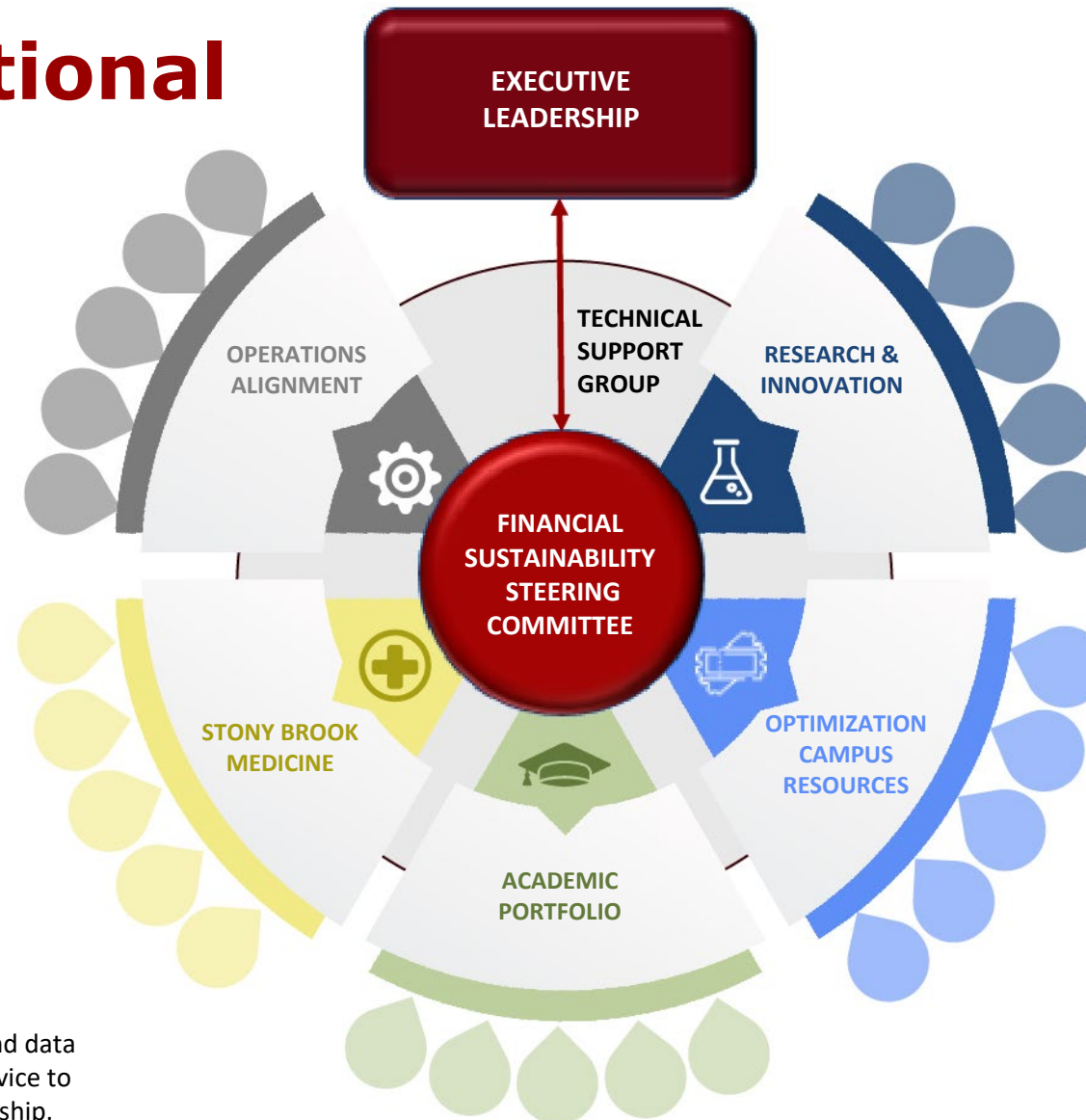
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SBI Organizational Chart



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Jon Longtin



TECHNICAL
SUPPORT
GROUP

Staff members from finance, budget, IT, and data experts who will provide resources and advice to the task forces, working groups and leadership.



PROJECT
MANAGEMENT
SUPPORT

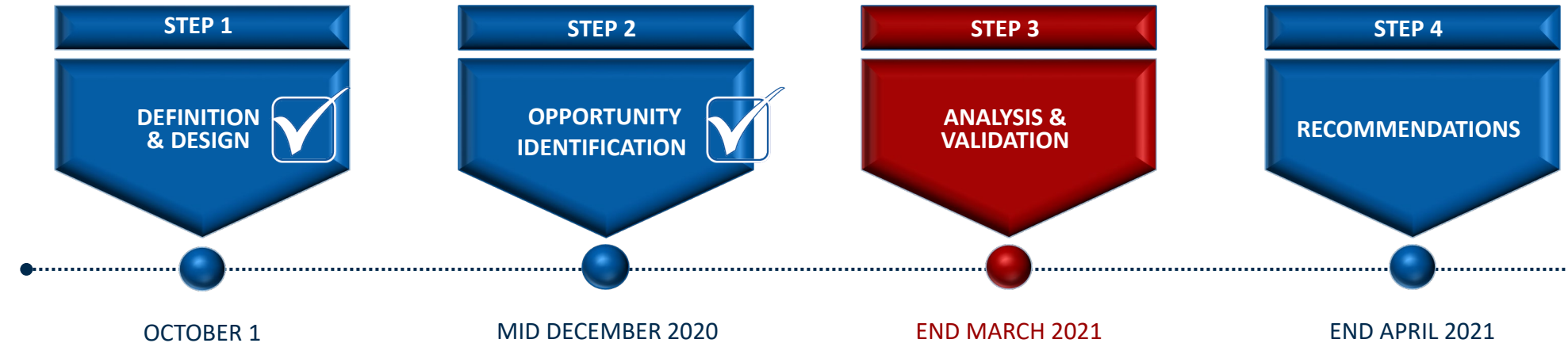
Each task force will have a project liaison to support coordination, note taking and other project activities.

Project Timeline



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INDIVIDUAL TASK FORCE RESPONSIBILITIES

- | | | | |
|--|--|--|---|
| <ol style="list-style-type: none"> 1. Define and Finalize Scope 2. Form working groups as needed 3. Define information needs 4. Establish Project Plan | <ol style="list-style-type: none"> 1. Engagement—listening sessions, surveys etc. 2. Group working sessions 3. Initial Opportunity Prioritization | <ol style="list-style-type: none"> 1. Cost-Savings/Revenue enhancement 2. Cost/Benefit Analysis 3. Risk Assessment 4. Final Opportunity Prioritization | <ol style="list-style-type: none"> 1. Desired Actions 2. Implementation Timeline 3. Metrics 4. Project Plan |
|--|--|--|---|

While this process will ultimately deliver strategic recommendations to improve our financial position in the long term, it allows for short-term opportunities to be implemented more quickly

ONGOING TASK FORCE COORDINATION WITH FINANCIAL SUSTAINABILITY STEERING COMMITTEE

1. Ensuring Strategic Alignment
2. Leveraging Collaboration Opportunities
3. Coordinating Support from Technical Support Group
4. Providing Regular Updates to SBU Community on Status

Scope



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The Research and Innovation Task Force focuses on identifying new opportunities and areas of growth, more effective alignment of resources, infrastructure and new ways to encourage interdisciplinary collaboration and innovation.

Expanding our research portfolio represents a tremendous academic and economic opportunity for Stony Brook and is crucial for our continued participation in the AAU. This Task Force will build on the work outlined in the 2017 Facilitating Researcher Success initiative and the 2020 draft growth strategy.

Who is Involved – TF Members



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Co-Chairs

- **Anissa Abi-Dargham, MD**
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- **Jon Longtin, PhD, PE**
Associate Dean for Research and Entrepreneurship, College of Engineering and Applied Sciences

Administrative Support/Subject Matter Experts

- **Sean Hoffman**
Senior Analytics Developer
- **Sheila Routh** Director, Grants Management, Sponsored Programs
- **Alina Stroia** Director, Sponsored Programs

Members

- **Alan Calder** Associate Professor, Physics and Astronomy
- **Carol Carter** Professor, Dept. of Microbiology and Immunology
- **Amy Cook** Assoc. Dean for Research and Innovation, CAS
- **Liliana Davalos** Professor, Ecology and Evolution
- **Christina Delorenzo** Associate Professor, Psychiatry and Biomedical Engineering
- **Petar Djuric** Distinguished Professor; Dept. Chair, Electrical Engineering
- **Miguel Garcia-Diaz** Associate Professor, Pharmacology
- **Susan Gasparo** Assistant Director, Research Compliance
- **Dilip Gersappe** Professor and Dept. Chair, Materials Science and Chemical Engineering
- **Greg Henkes** Assistant Professor, Geosciences
- **Arianna Maffei** Professor, Neurobiology and Behavior
- **Sandeep Mallipattu** Chief of Nephrology, Associate Professor, Nephrology and Hypertension Division
- **Benjamin Martin** Assistant Professor, Biochemistry and Cell Biology
- **Nina Maung** Associate Vice President for Research, OVPR
- **Suparna Rajaram** Distinguished Professor, Cognitive Science, Psychology
- **C.R. Ramakrishnan** Professor and Graduate Program Director, Computer Science
- **Kevin Reed** Associate Professor, SoMAS
- **Robert Rizzo** Professor, Applied Math and Statistics
- **Clint Rubin** Distinguished Professor, Biomedical Engineering
- **Fusheng Wang** Associate Professor, Bioinformatics/Computer Science
- **Stanislaus Wong** Professor, Department of Chemistry
- **Wei Yin-Rubenstein** Associate Professor, Biomedical Engineering

What We Have Learned



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- The importance of AAU membership and improving our standing within the AAU
- Leveraging the work of the 2017 *Facilitating Research Success* (FRS) study is fundamental for our research growth
- Engaging the entire campus community toward synergistic, multidisciplinary research will enhance our research growth
- Expanding the SBU research enterprise benefits the entire campus community and the mission of our university
- The importance of culture and morale to achieving research success

Public AAU Rank by Federal Research Expenditures

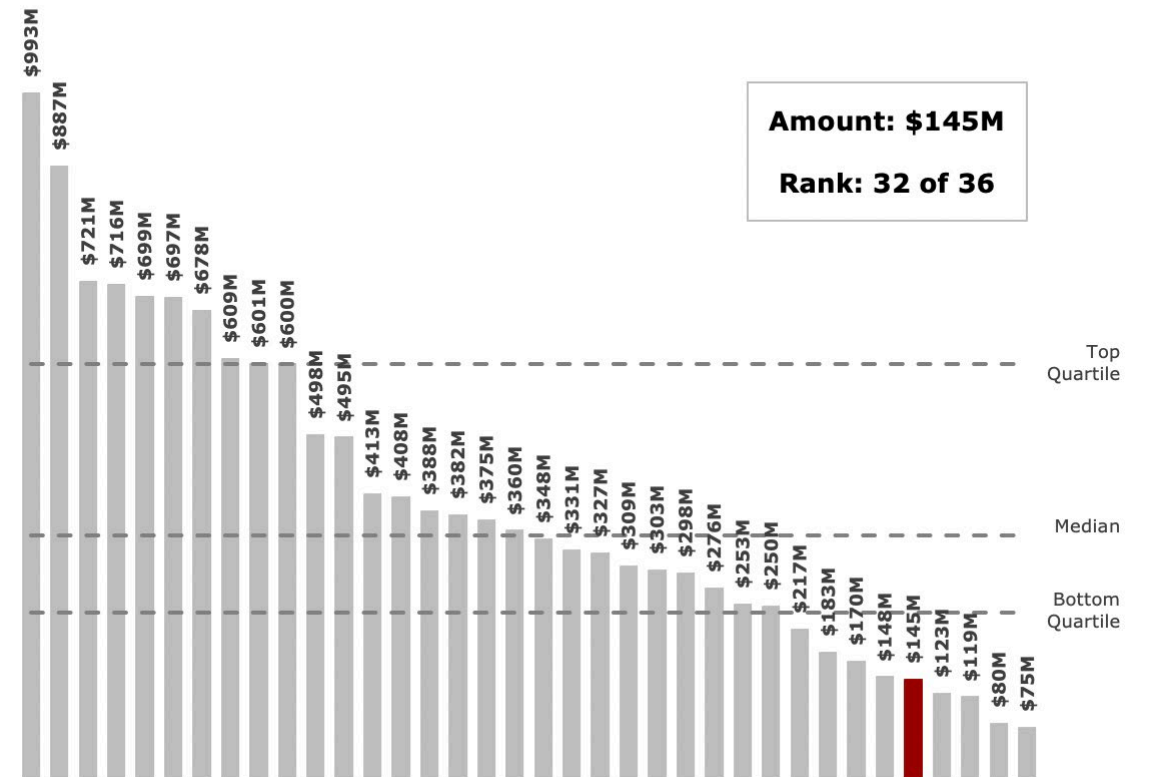
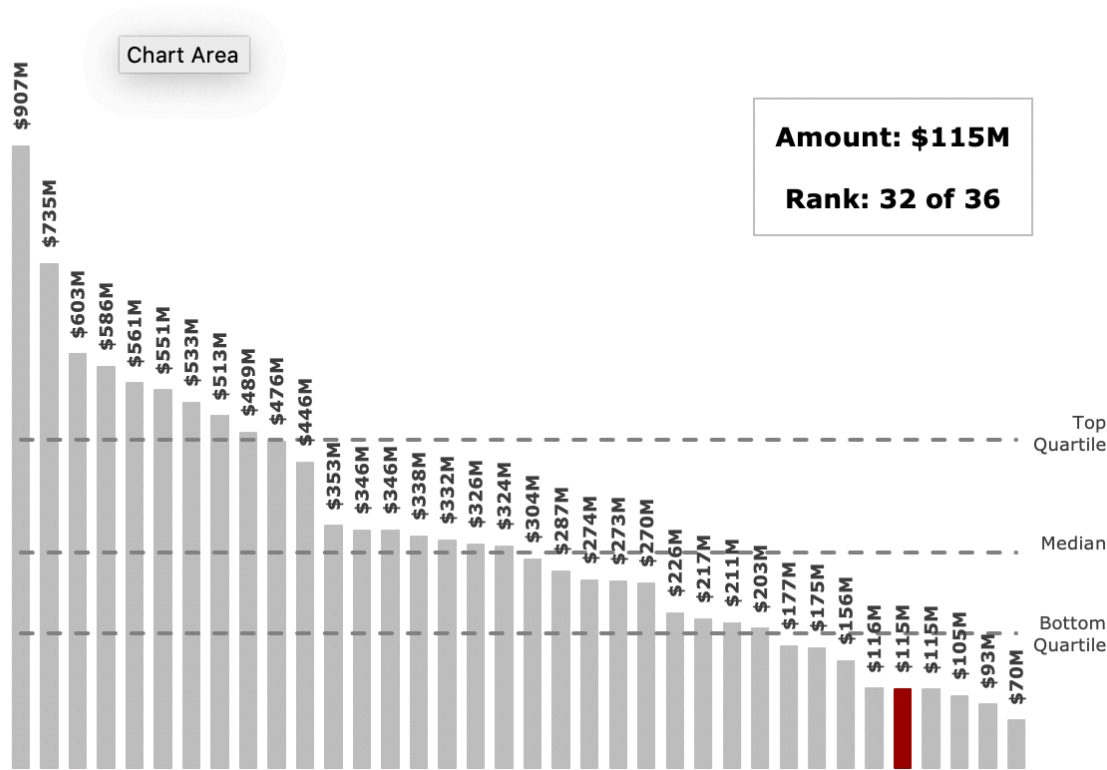


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2015 Federal Research & Development Expenditures
Public AAU Institutions

2019 Federal Research & Development Expenditures
Public AAU Institutions



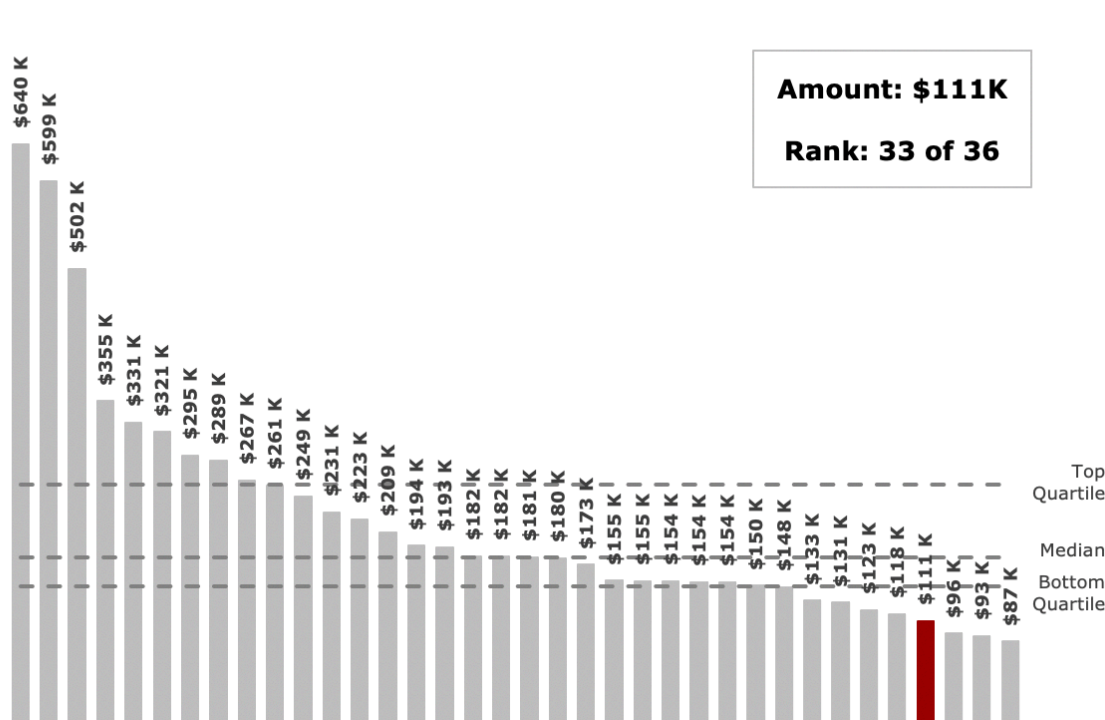
Public AAU Rank by Federal Research Expenditures per FTE



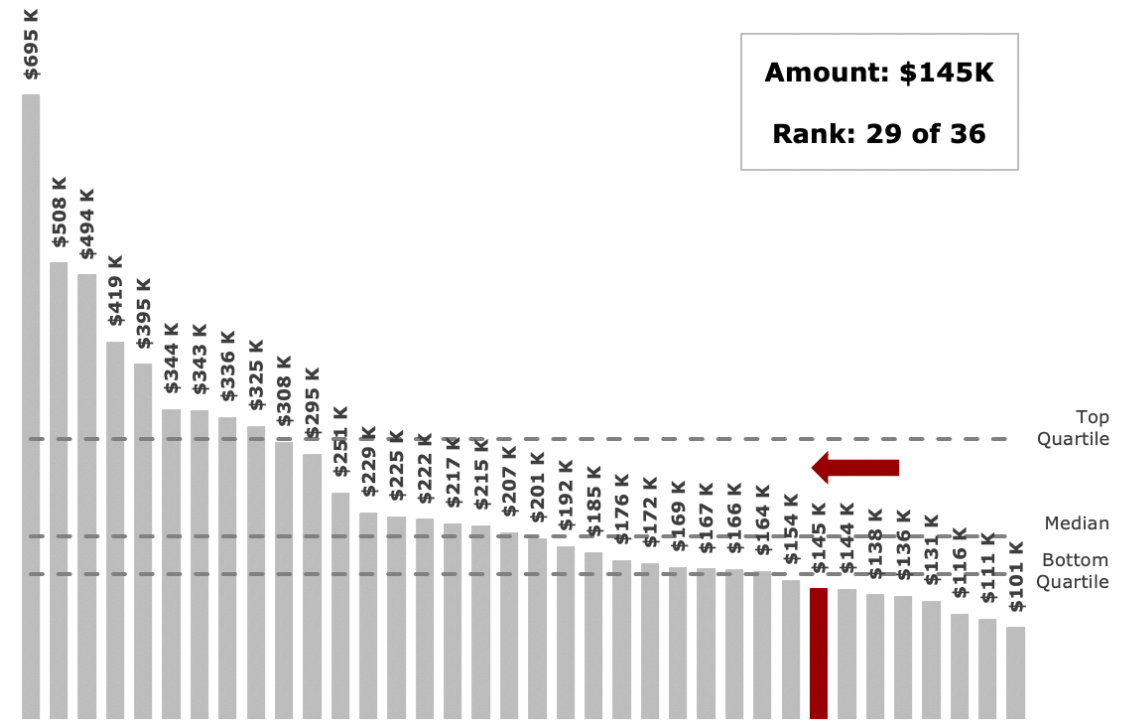
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2015 Federal Research & Development Expenditures per Tenured and Tenure-Track Faculty FTE Public AAU Institutions



2019 Federal Research & Development Expenditures per Tenured and Tenure-Track Faculty FTE Public AAU Institutions



Who Is the Competition?



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Federal Expenditures per FTE,
Public AAU Median

Rank	Institution	2019
15	University of Minnesota—Twin Cities	\$222K
16	The University of Texas at Austin	\$217K
17	University of Illinois at Urbana-Champaign	\$215K
18	University of Arizona	\$207K
19	Ohio State University	\$201K
20	University of Utah	\$192K
21	University of Iowa	\$185K
22	Michigan State University	\$176K

Median

Federal Expenditures per FTE,
Public AAU 3rd Quartile

Rank	Institution	2019
24	University of Virginia	\$169K
25	University of California-Irvine	\$167K
26	Rutgers University-New Brunswick	\$166K
27	University of Buffalo	\$164K
28	University of Florida	\$154K
29	Stony Brook University	\$145K
30	Purdue University	\$144K
31	University of Kansas	\$138K

3rd
Quartile

AAU Membership Metrics



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- Federal Research Expenditures
- National Academy Membership
- Faculty Awards, Fellowships and Memberships
- Citations
- USDA, State and Industry Research Expenditures
- Doctoral Education
- Postdoctoral appointments
- Undergraduate education

Opportunities



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- *Incentivize and facilitate* faculty research productivity
- Remove administrative roadblocks/streamline administrative support for research
- Focus on large, multidisciplinary and training grants
- Integrate research infrastructure across East Campus and West Campus
- Build cross-campus collaborations and integration
- Enhance the spirit of entrepreneurship and industrial interactions
- Capitalize on unique geographic and cultural diversity of New York area

Facilitating Research Success (FRS)



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- Yearlong study commissioned by upper administration in 2017
- Focus on administrative barriers to research
- Nine task forces, e.g., pre-award, post-award, procurement, human resources, etc.
- 45-page internal report: prioritized needs vs. cost (Nov. 2017)
- March 2020 update report on what has been implemented
- *TL; DR*: Many no- to low-cost recommendations implemented; higher-cost recommendations were not funded
- FRS is key component of Research and Innovation Task Force; reviewing recommendations for relevance and incorporating into final recommendations

What's Next?



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Working Groups	Co-Chairs	Priorities
Enhancing Research Productivity and Effectiveness	Sandeep Mallipattu Surita Bhatia	<ul style="list-style-type: none">• Large, multicollaborator grants• Training grants• Streamlining administrative hurdles
Strategic Research Growth	Suparna Rajaram Dilip Gersappe	<ul style="list-style-type: none">• Strategic “think tanks” to identify opportunities• Develop entrepreneurial activities
Leverage Existing Infrastructure	Kevin Reed Glen Itzkowitz	<ul style="list-style-type: none">• Renovation/upgrading of existing space• Outfitting new space for research facilities• Review current space utilization
Implement FRS Recommendations	Rich Reeder Nina Maung	<ul style="list-style-type: none">• Prioritize remaining FRS recommendations and recommend for implementation

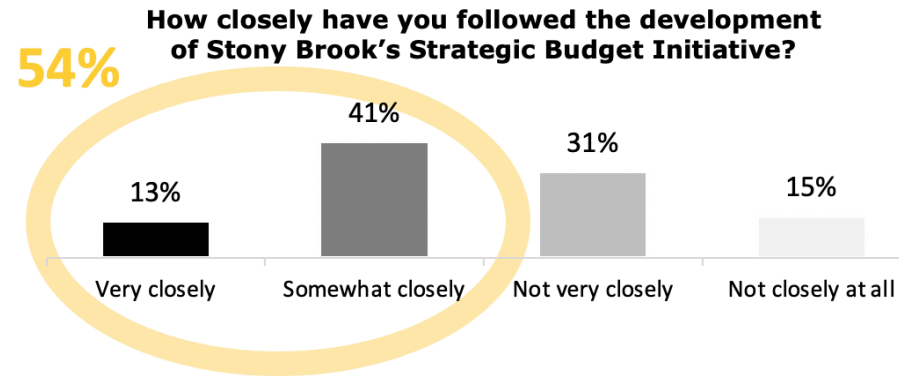
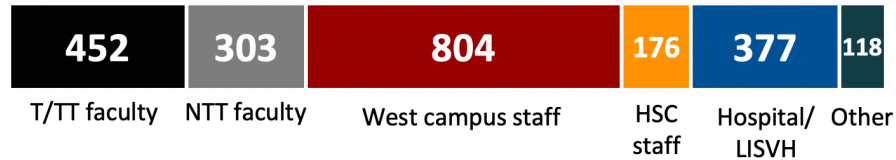
Survey Update



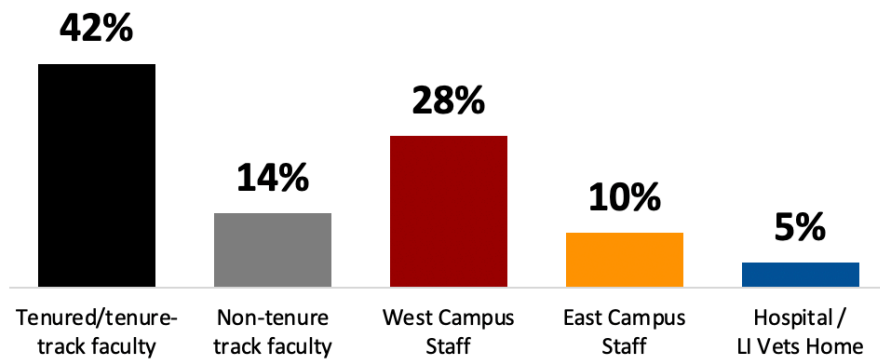
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2,230 Respondents



Overall Response Rate: 13%



How are you getting information about SBU's budget?





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Q&A

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Thank you for joining us.

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