

9-2013

Division of Research Fiscal Year 2012-2013 Report

Division of Research, Florida International University

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**THE FLORIDA INTERNATIONAL
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ACADEMIC POLICY AND STUDENT AFFAIRS COMMITTEE**

DIVISION OF RESEARCH

FISCAL YEAR 2012-2013 REPORT

I. Introduction

This report provides data and a summary of activities for fiscal year 2012-2013 (FY 2013). [Section II](#) presents data for research awards received and grant applications submitted during the period between July 1, 2012 and June 30, 2013. Tables and graphs illustrate performance as compared to last fiscal year 2011-2012 (FY 2012). [Section III](#) of this report describes a series of initiatives that the Division of Research (DoR) began implementing and will continue through FY 2014. These are focused on increasing the number of faculty receiving external funding to support their research endeavors.

II. Overview of Awards, Applications, F&A and Expenditures

The data presented in [Table 1](#) compares awards received during FY 2013 with those received during FY 2012. Overall, awards reflect a modest increase of 1.2% when compared with last year, exceeding once again the \$100M threshold. However, it is important to note that gifts for research declined significantly (-72.9%), and excluding gifts for research, overall awards increased by 5.2% during FY 2013.

[Figure 1](#) shows the changes in new awards for each of the colleges. Notable increases include the College of Architecture + The Arts (CARTA) with 358.5% increase; the College of Nursing and Health Sciences (CNHS) with 67% increase; the College of Business (CoB) with 44.4% increase; the Herbert Wertheim College of Medicine (HWCoM) with 42.4% increase, and the College of Arts & Sciences (CAS) reflecting a 34.8% increase. Growth was due to increased number of awards received and/or increased value in awards received. For instance, CNHS received 23 awards this fiscal year with an average value of \$171,820, whereas last fiscal year the college received 15 awards with an average value of \$157,733. For CARTA, while the average value of awards was similar during both fiscal years, the college received 15 awards during FY 2013, an increase of 12 from FY 2012.

The average facilities and administrative (F&A) rate by college is presented in [Figure 2](#). Overall, the F&A rate declined from 21.6% last fiscal year, to 20.5% during FY 2013. While the average value of F&A rate for awards declined slightly (-1.24%), the percentage of awards without an F&A rate increased from 31% in FY 2012 to 35% in FY 2013.

Awards received by centers, institutes and museums (CIMs) are presented by unit in [Table 2](#). When compared with last fiscal year, awards for CIMs declined by 19%, as did the F&A rate associated with those awards. The latter declined from 27.6% to 26.1% during FY 2013. Nevertheless, the Center for Children and Families received \$7.36M in awards during FY 2013,

reflecting a 158.4% increase from last fiscal year. The Center for Diversity in Engineering and Computing also increased awards during FY 2013—\$1.265M, reflecting a 79.8% increase.

[Table 3](#) shows the distribution of new research awards received during FY 2013 by funding source: federal, state, and private/other. As previously noted, gifts for research decreased significantly during FY 2013. Excluding gifts for research from the total, the percentage distribution by funding source remained practically the same during both fiscal years.

The value of grant applications submitted by colleges, schools and divisions is presented in [Table 4](#). When compared with last fiscal year, the total value of applications submitted declined by 21.4%. During FY 2013, the number of applications submitted increased by 2% (from 802 to 818). However, 21.9% of applications submitted did not include an F&A rate.

[Table 5](#) presents grant applications data by centers, institutes and museums. During FY 2013, the number of applications submitted by CIMs increased by 14.8%, from 88 to 101. However, the average value of applications decreased by 65.9%, while the percentage of applications submitted without an F&A rate increased by 28.6%, from 21 to 27.

III. Initiatives Update

The Division of Research (DoR) performs annual customer satisfaction surveys, which provide valuable feedback to improve and expand the services we provide to the FIU research community. In order to develop further our Worlds Ahead services, we began a restructuring process during FY 2013.

The Research Development Unit at DoR was reorganized in order to strengthen research and scholarship activities, and to provide an array of support services tailored to the identified needs of research faculty. Services available to faculty include nontechnical grant writing, project management, budget preparation, and resubmission response services. Additionally, internal scientific reviews are facilitated for interested faculty and external scientific reviews may be organized for investigators on grant proposals.

For faculty interested in securing external funding, the unit identifies grant opportunities and assists with proposal preparation. To foster multidisciplinary collaboration and team science, DoR stimulates the creation of professional interest areas and networking groups. A robust professional development program, offered in partnership with senior leadership from FIU's colleges, provides faculty with guidance that aligns their research efforts with their departments' requirements for tenure and promotion, and the tools needed to hone their skills as researchers. Enhanced on-line resources are available to provide assistance to investigators at all stages of their research careers. Some of these tools include:

- A research calendar on the DoR website to advise faculty of research seminars, visits from funding agency officials, and other notable research-oriented events
- A monthly newsletter to inform the research community of new awards, funding opportunities, and updates from funding agencies
- A quarterly newsletter that provides in-depth coverage of research programs

- Weekly funding announcements on the DoR website
- Announcements to investigators with specific research interests and expertise
- Search engines to help find the right funding opportunities
- A collection of successful proposals to help junior and midlevel faculty interested in applying for funding

Furthermore, the unit works with the research community to establish interdisciplinary opportunities, and facilitates the establishment of professional interest areas (PIAs). PIAs are special interest groups created to unite faculty around a common research area, which allows them to share and exchange information and ideas, and eventually apply for multidisciplinary funding. During the past year, one PIA was formed in the Radiological Sciences area. This PIA group has successfully secured funding on two research proposals and is currently awaiting a decision on several other proposals. We are in the process of working with faculty on developing a second PIA in the area of climate change. Other groups are also planned.

Restructuring also included the creation of the Research Operations and External Partnerships Unit to assist investigators and research centers in obtaining the resources and collaborations necessary to successfully maintain and expand their research operations. The unit focuses on several key areas of research support to FIU faculty, listed below:

- Physical Resource Optimization - Assists researchers in identifying required resources to facilitate their research. The unit maintains an inventory of existing FIU research laboratories, high-end equipment and core facilities. The unit also works with Facilities Management to help coordinate renovations and other modifications to research space. During FY 2012, FIU renovated more than 20,000 square feet (at MMC, BBC, and Engineering Center), at a cost of over \$3.33M. We currently have over 9,000 square feet of renovations in progress, with an estimated total cost of \$3.11M. Recently, the group has been actively involved with the administrative/operational aspects of off-site facilities, such as acquiring leased space for specific grants.
- Research Administration – Provides administrative assistance to faculty and research centers with time sensitive projects. The unit's VIP Service assists FIU researchers who are responsible for large research operations by directly assisting in the execution of grants and contracts in areas pertaining to Human Resources, Purchasing, Travel and other grant-related activities that require interaction and support from other FIU service units. The goal of this service is to work with the PIs, departments and colleges to assure that project timelines are not jeopardized by unnecessary and avoidable delays.
- External Partnerships' Networking - The unit maintains broad interactions with federal, state and other funding agencies to facilitate access to program officers and to keep the FIU research community abreast of agency initiatives and funding opportunities as soon as they become available. Additionally, the unit fosters communication with industry and business partners to identify opportunities for collaboration and to further faculty research endeavors. In these endeavors, we coordinate with the Office of Governmental Relations with an emphasis on communication and interaction with federal research funding agencies.

Another unit recently created is the Training and International Research Initiatives Unit, which primarily assists with management and administration of research training grants and international sponsored projects. Specific activities include:

- Interacting with federal, state, and private funding sources to assist with the development of future programs
- Working with multiple community, organizational, and academic partners in support of the goals of the programs
- Assisting with the coordination and development of trainings and events for the programs
- Developing and implementing special activities that meet programming needs
- Providing management, administration and coordination assistance for large or complex research or sponsored projects aimed at training students, university fellows, or faculty
- Providing supporting capabilities in key areas such as compliance and reporting requirements, as well as assessment of funding opportunities for continuation and enhancement of existing projects

This unit has specific management responsibilities for the following:

- *Minority Biomedical Research Support (MBRS) Programs*: MBRS programs are federally funded (NIH) programs aimed to increase the number of underrepresented faculty, students, and investigators performing research in the biomedical sciences.
- *Bridge to the Doctorate Program (BDP)*: The BDP is an NSF initiative to provide eligible baccalaureate degree graduates with funding support for graduate studies. The ultimate goal is to increase the number of underrepresented students that obtain PhD degrees in a STEM field.

Table 1: Comparison of Awards Received

College/Division	July 2011 - June 2012			July 2012 - June 2013			% change
	Direct	F&A	Total	Direct	F&A	Total	
Academic Affairs	\$12,132,818	\$3,681,532	\$15,814,350	\$5,193,344	\$1,044,866	\$6,238,210	-60.55%
Chaplin School of Hospitality & Tourism Management (CSHTM)	\$71,743	\$0	\$71,743	\$13,665	\$0	\$13,665	-80.95%
College of Architecture & the Arts (CARTA)	\$55,829	\$0	\$55,829	\$252,758	\$3,200	\$255,958	358.47%
College of Arts & Sciences (CAS) *	\$36,192,611	\$8,457,215	\$44,649,827	\$48,958,992	\$11,231,227	\$60,190,220	34.81%
College of Business (CoB) *	\$825,802	\$78,978	\$904,780	\$1,136,271	\$169,967	\$1,306,238	44.37%
College of Education (CoE)	\$3,617,661	\$280,801	\$3,898,462	\$3,811,351	\$305,866	\$4,117,217	5.61%
College of Engineering & Computing (CEC)*	\$14,791,778	\$3,646,793	\$18,438,571	\$13,363,931	\$2,758,591	\$16,122,521	-12.56%
College of Law (CoL)	\$79,363	\$0	\$79,363	\$49,470	\$0	\$49,470	-37.67%
College of Nursing & Health Sciences (CNHS)	\$2,052,276	\$313,723	\$2,366,000	\$3,666,925	\$284,933	\$3,951,858	67.03%
Division of Finance	\$199,837	\$53,956	\$253,793	\$219,721	\$32,418	\$252,138	-0.65%
Division of IT/CIARA	\$3,176,256	\$281,149	\$3,457,405	\$1,612,084	\$123,200	\$1,735,284	-49.81%
Division of Student Affairs	\$1,778,454	\$125,026	\$1,903,480	\$1,580,876	\$101,227	\$1,682,103	-11.63%
Herbert Wertheim College of Medicine (HWCoM)*	\$2,097,216	\$795,271	\$2,892,486	\$3,046,223	\$1,073,127	\$4,119,350	42.42%
Office of the President	\$102,250	\$0	\$102,250	\$154,624	\$0	\$154,624	51.22%
Robert Stempel College of Public Health & Social Work (RSCPHSW) *	\$6,537,595	\$1,956,333	\$8,493,928	\$3,154,020	\$762,071	\$3,916,091	-53.90%
School of Journalism & Mass Communication (SJMC)	\$360,499	\$78,130	\$438,629	\$375,200	\$92,839	\$468,039	6.70%
Gifts for Research	\$5,132,946	\$0	\$5,132,946	\$1,388,758	\$0	\$1,388,758	-72.94%
TOTAL	\$82,928,233	\$17,929,278	\$100,857,511	\$84,730,817	\$17,340,589	\$102,071,405	1.20%
Effective F&A rate of grants & contracts	21.62%			20.47%			

* The following are **NOT** reflected in the “TOTAL” above, but are included in the respective colleges, thus “double counted.”

	FY 2011-2012 Total	FY 2012-2013 Total
Included in AA (IHRC & FRSTA) and CAS	\$2,387,629	\$1,587,153
Included in AA (IHRC) and CoB	\$677,889	\$579,204
Included in AA (IHRC) and CEC	\$1,012,560	\$533,543
Included in AA (CRUSADA) and RSCPHSW	\$3,684,321	\$437,498
Included in AA (FRSTA) and HWCoM	\$333,932	\$0
Included in CAS (CCF) and HWCoM	\$0	\$752,940

Figure 1: Comparison of Awards Received by College/School

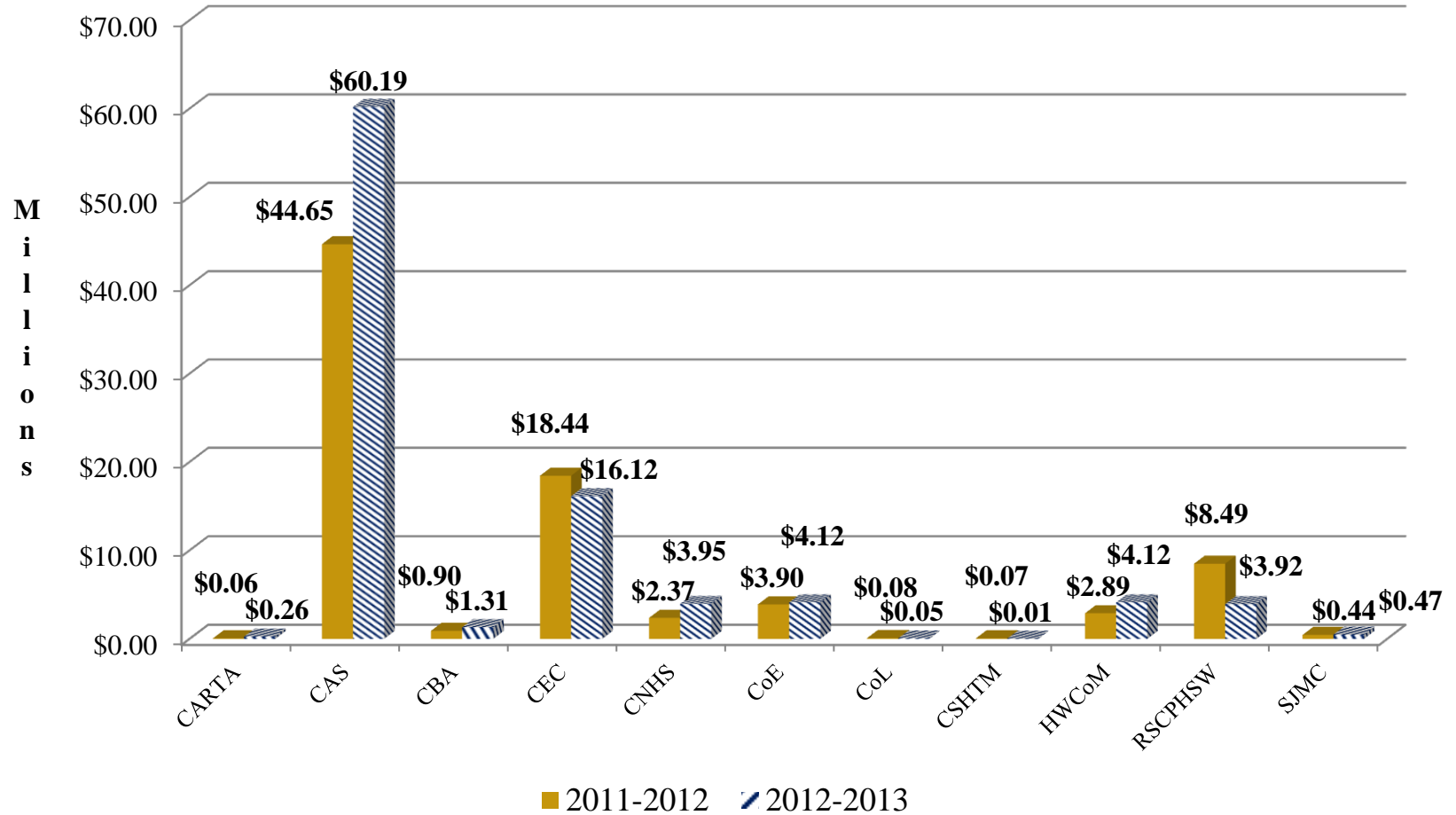


Figure 2: Average Award F&A Rate by College/School

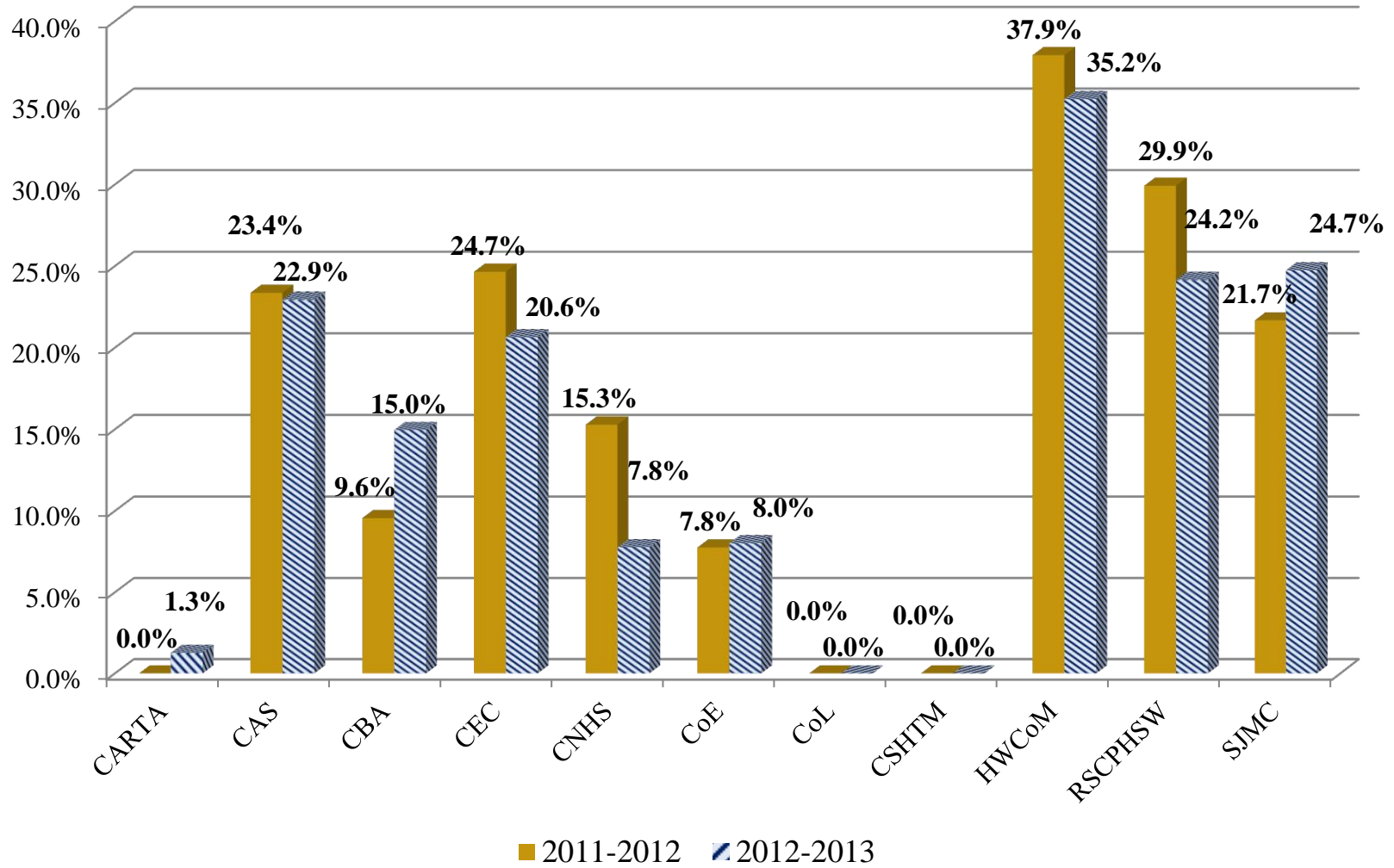


Table 2: Comparison of Awards Received by Centers, Institutes, Museums

College/Division	July 2011 - June 2012			July 2012 - June 2013			% change
	Direct	F&A	Total	Direct	F&A	Total	
Academic Affairs							
Applied Research Center (ARC)	\$4,324,481	\$1,825,074	\$6,149,556	\$1,301,449	\$540,831	\$1,842,281	-70.0%
CRUSADA	\$2,200,709	\$788,336	\$2,989,045	\$230,072	\$103,532	\$333,604	-88.8%
Frost Art Museum	\$148,925	\$0	\$148,925	\$281,134	\$0	\$281,134	88.8%
Int'l Hurricane Research Center (IHRC)	\$1,348,467	\$178,251	\$1,526,718	\$1,160,405	\$170,336	\$1,330,741	-12.8%
Wolfsonian	\$913,393	\$0	\$913,393	\$480,664	\$0	\$480,664	-47.4%
College of Arts & Sciences							
Center for Administration of Justice (CAJ)	\$1,349,961	\$230,609	\$1,580,570	\$8,780	\$2,371	\$11,151	-99.3%
Center for Children and Families (CCF)	\$2,179,673	\$669,948	\$2,849,621	\$5,548,025	\$1,814,361	\$7,362,386	158.4%
Center for Labor Research and Studies (CLRS)	\$90,720	\$1,905	\$92,625	\$128,564	\$3,438	\$132,001	42.5%
ICHAD	\$121,451	\$54,653	\$176,104	\$126,230	\$56,803	\$183,033	3.9%
Institute for Public Management and Community Service	\$79,401	\$12,062	\$91,463	\$67,011	\$10,052	\$77,063	-15.7%
International Forensic Research Institute (IFRI)	\$1,071,997	\$319,427	\$1,391,424	\$872,256	\$176,829	\$1,049,084	-24.6%
Jack D. Gordon Institute for Public Policy & Citizenship Studies	\$175,273	\$6,807	\$182,080	\$97,939	\$26,443	\$124,383	-31.7%
Jewish Museum of Florida—FIU	\$0	\$0	\$0	\$317,014	\$0	\$317,014	n/a
Latin American and Caribbean Center (LACC)	\$1,004,905	\$310,737	\$1,315,643	\$768,811	\$251,123	\$1,019,934	-22.5%
Metropolitan Center	\$114,632	\$20,368	\$135,000	\$236,351	\$37,852	\$274,203	103.1%
Southeast Environmental Research Center (SERC)	\$8,255,669	\$2,816,590	\$11,072,259	\$7,669,510	\$2,488,150	\$10,157,661	-8.3%
Women's Studies Center	\$629,200	\$176,465	\$805,665	\$558,467	\$55,846	\$614,313	-23.8%
College of Engineering & Computing							
Center for Diversity in Engineering & Computing	\$644,211	\$59,336	\$703,546	\$1,157,251	\$107,766	\$1,265,016	79.8%

Table 2: Comparison of Awards Received by Centers, Institutes, Museums

College/Division	July 2011 - June 2012			July 2012 - June 2013			% change
	Direct	F&A	Total	Direct	F&A	Total	
Division of Student Affairs							
Children's Creative Learning Center (CCLC)	\$272,981	\$21,839	\$294,820	\$272,211	\$21,777	\$293,988	-0.3%
School of Journalism & Mass Communication							
International Media Center (IMC)	\$300,499	\$78,130	\$378,629	\$375,200	\$92,839	\$468,039	23.6%
Division of Information Technology							
CIARA: Center for Internet Augmented Research	\$3,176,256	\$281,149	\$3,457,405	\$1,612,084	\$123,200	\$1,735,284	-49.8%
Total	\$28,402,804	\$7,851,686	\$36,254,491	\$23,269,428	\$6,083,549	\$29,352,977	-19.0%
Effective F&A rate	27.6%			26.1%			

Table 3: Awards by Sponsor Type				
July 2011 - June 2012				
Funding Source	Awarded Direct Costs	Awarded F&A	Awarded Total	Percent
Federal Government	\$59,401,583	\$14,966,917	\$74,368,501	73.7%
State & Local Government	\$7,732,660	\$857,846	\$8,590,507	8.5%
Private / Other Sources*	\$15,793,990	\$2,104,514	\$17,898,504	17.7%
TOTAL	\$82,928,233	\$17,929,278	\$100,857,511	100.0%
July 2012 – June 2013				
Funding Source	Awarded Direct Costs	Awarded F&A	Awarded Total	Percent
Federal Government	\$64,291,135	\$14,398,343	\$78,689,478	77.1%
State & Local Government	\$7,795,794	\$900,305	\$8,696,100	8.5%
Private / Other Sources*	\$12,643,887	\$2,041,940	\$14,685,827	14.4%
TOTAL	\$84,730,817	\$17,340,589	\$102,071,405	100.0%

*Includes gifts for research

Table 4: Comparison of Applications Submitted by Colleges

College/School/Center/Division	July 2011 - June 2012			July 2012 - June 2013			% change
	Direct	F&A	Total	Direct	F&A	Total	
Academic Affairs	\$10,730,062	\$2,893,953	\$13,624,015	\$20,410,848	\$5,451,201	\$25,862,049	89.8%
Chaplin School of Hospitality & Tourism Management	\$202,250	\$0	\$202,250	\$419,596	\$72,083	\$491,679	143.1%
College of Architecture & the Arts	\$837,799	\$165,057	\$1,002,856	\$3,110,440	\$570,780	\$3,681,220	267.1%
College of Arts & Sciences	\$193,674,114	\$43,623,157	\$237,297,271	\$112,706,488	\$30,346,812	\$143,053,300	-39.7%
College of Business	\$1,333,097	\$261,976	\$1,595,073	\$1,231,541	\$121,492	\$1,353,033	-15.2%
College of Education	\$7,844,060	\$778,751	\$8,622,811	\$9,218,406	\$1,328,011	\$10,546,417	22.3%
College of Engineering & Computing	\$104,848,590	\$24,116,227	\$128,964,817	\$90,979,269	\$21,722,823	\$112,702,092	-12.6%
College of Nursing & Health Sciences	\$11,987,982	\$1,009,697	\$12,997,679	\$11,776,582	\$1,167,557	\$12,944,139	-0.4%
Division of Finance & Administration	\$19,570,983	\$863,460	\$20,434,443	\$10,000	\$0	\$10,000	-100.0%
Division of IT/CIARA	\$123,175	\$26,825	\$150,000	\$3,660,766	\$221,463	\$3,882,229	2488.2%
Division of Student Affairs	\$1,080,537	\$74,445	\$1,154,982	\$3,834,622	\$283,400	\$4,118,022	256.5%
Herbert Wertheim College of Medicine	\$19,086,744	\$7,801,736	\$26,888,480	\$19,018,309	\$6,914,636	\$25,932,945	-3.6%
Robert Stempel College of Public Health & Social Work	\$34,818,494	\$9,551,922	\$44,370,416	\$35,459,250	\$11,408,488	\$46,867,738	5.6%
School of Journalism & Mass Communication	\$899,170	\$193,479	\$1,092,649	\$314,317	\$81,722	\$396,039	-63.8%
TOTAL	\$407,037,057	\$91,360,685	\$498,397,742	\$312,150,434	\$79,690,468	\$391,840,902	-21.4%
Effective/average F&A rate	22.4%			25.5%			

Table 5: Comparison of Applications Submitted by Centers, Institutes, Museums

College/Division	July 2011 - June 2012			July 2012 - June 2013			% change
	Direct	F&A	Total	Direct	F&A	Total	
Academic Affairs							
Applied Research Center (ARC)	\$6,538,400	\$2,372,904	\$8,911,304	\$11,761,393	\$3,015,848	\$14,777,241	65.8%
CRUSADA: Center for Research on US Latino AIDS/HIV/Drug Abuse	\$2,354,302	\$853,387	\$3,207,689	\$601,124	\$264,038	\$865,162	-73.0%
Frost Museum	\$262,725	\$0	\$262,725	\$314,514	\$0	\$314,514	19.7%
International Hurricane Research Center (IHRC)	\$688,046	\$110,308	\$798,354	\$5,571,418	\$1,687,209	\$7,258,627	809.2%
The Wolfsonian	\$1,064,235	\$7,117	\$1,071,352	\$995,393	\$105,244	\$1,100,637	2.7%
College of Arts & Sciences							
Center for Administration of Justice	\$63,009,456	\$11,447,840	\$74,457,296	\$3,774,582	\$698,081	\$4,472,663	-94.0%
Center for Children and Families (CCF)	\$2,563,013	\$1,095,486	\$3,658,499	\$3,546,327	\$1,515,116	\$5,061,443	38.3%
Center for Labor Research and Studies (CLRS)	\$21,333	\$0	\$21,333	\$36,578	\$1,533	\$38,111	78.6%
International Forensic Research Institute (IFRI)	\$6,969,414	\$1,815,113	\$8,784,527	\$1,583,272	\$564,623	\$2,147,895	-75.5%
Jack D. Gordon Institute for Public Policy & Citizenship Studies	\$631,891	\$131,843	\$763,734	\$0	\$0	\$0	n/a
Jewish Museum of Florida	\$0	\$0	\$0	\$143,017	\$0	\$143,017	n/a
Latin American and Caribbean Center (LACC)	\$103,273	\$6,725	\$109,998	\$0	\$0	\$0	n/a
Metropolitan Center	\$212,931	\$37,069	\$250,000	\$202,377	\$37,758	\$240,135	-3.9%
Southeast Environmental Research Center (SERC)	\$938,362	\$221,002	\$1,159,364	\$671,955	\$198,368	\$870,323	-24.9%
Women's Study Center	\$0	\$0	\$0	\$583,156	\$212,793	\$795,949	n/a
College of Engineering & Computing							
Center for Diversity in Engineering & Computing	\$10,383,608	\$837,233	\$11,220,841	\$1,815,479	\$256,310	\$2,071,789	-81.5%

Table 5: Comparison of Applications Submitted by Centers, Institutes, Museums

College/Division	July 2011 - June 2012			July 2012 - June 2013			% change
	Direct	F&A	Total	Direct	F&A	Total	
Division of Information Technology							
CIARA: Center for Internet Augmented Research	\$123,175	\$26,825	\$150,000	\$2,440,859	\$200,808	\$2,641,667	1661.1%
Division of Student Affairs							
Children’s Creative Learning Center	\$0	\$0	\$0	\$1,947,872	\$155,828	\$2,103,700	n/a
School of Journalism & Mass Communication							
International Media Center	\$809,170	\$193,479	\$1,002,649	\$314,317	\$81,722	\$396,039	-60.5%
Total	\$96,673,334	\$19,156,331	\$115,829,665	\$36,303,633	\$8,995,279	\$45,298,912	-60.9%
Effective F&A rate	19.8%			24.8%			