



Item: AS: I-5

COMMITTEE ON ACADEMIC AND STUDENT AFFAIRS
Thursday, February 16, 2012

SUBJECT: SPONSORED RESEARCH TRENDS AND HIGHLIGHTS

PROPOSED COMMITTEE ACTION

No action required. Information item.

BACKGROUND INFORMATION

An update on proposal submissions, contract and grant awards received and recent and projected accomplishments by the Division of Research.

IMPLEMENTATION PLAN/DATE

N/A

FISCAL IMPLICATIONS

N/A

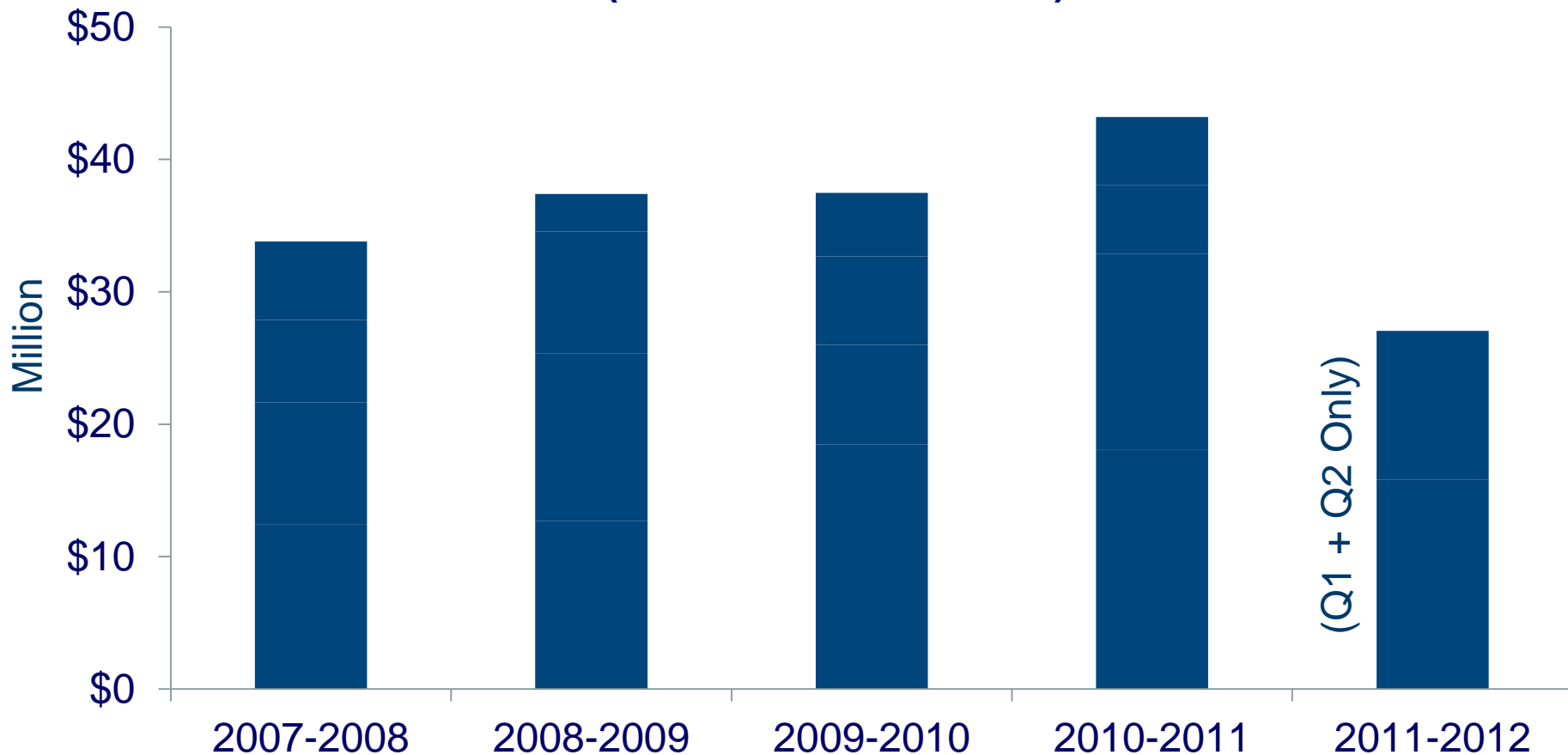


Florida Atlantic University
Division of Research

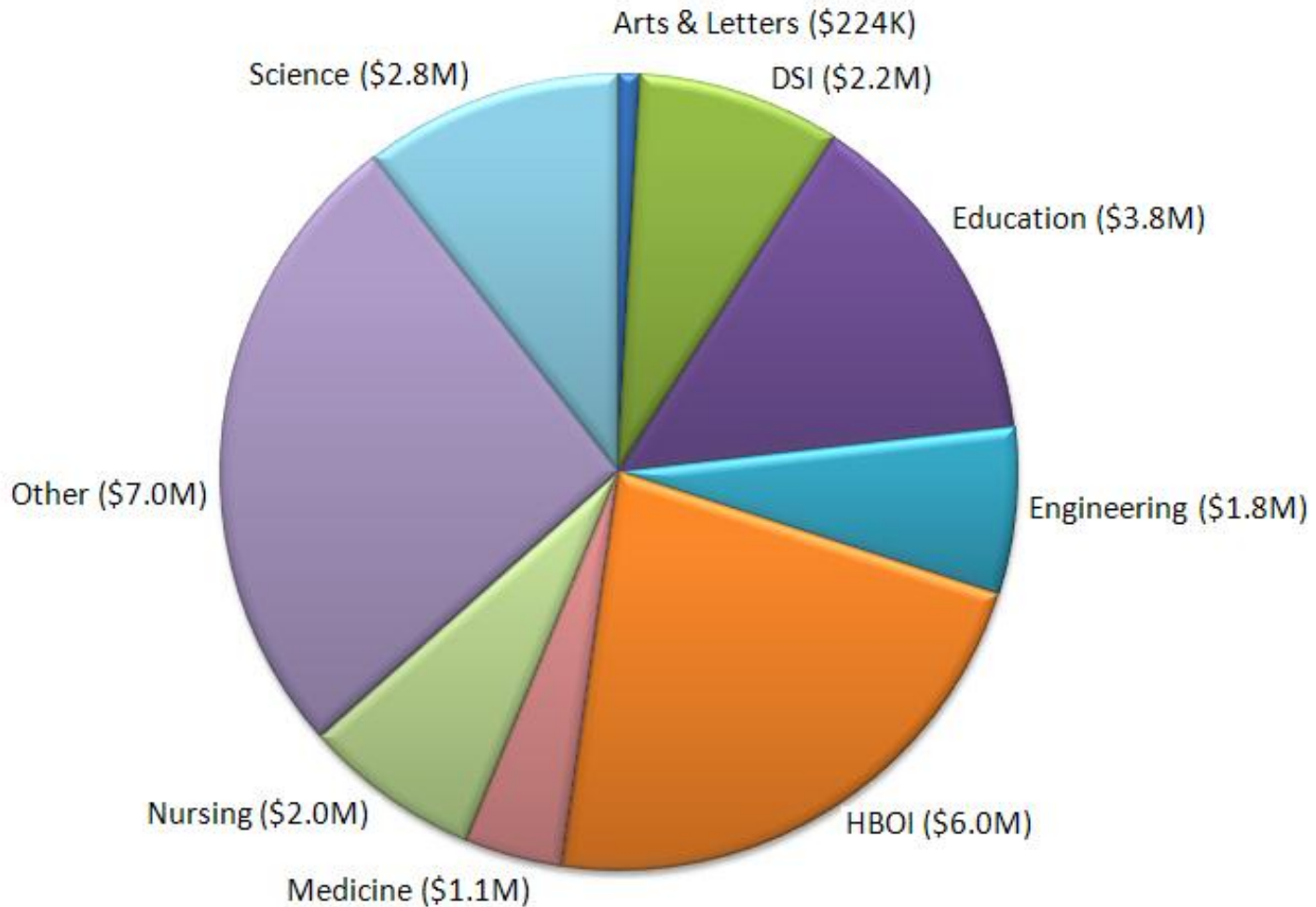
Sponsored Research Trends and Highlights

February 16, 2012

Contract and Grant Awards Received
(www.fau.edu/research)



Awards Received \$27M FY2011-2012 (Q1 + Q2)



Research Highlights

Major New Awards

Amount	Funding Source	Project	Principal Investigator
\$3.5M	Florida Department of Education	FAU-BCPS Leadership Project (PROPEL)	Daniel Reyes-Guerra
\$1.5M	Florida Department of Education	Alternate Assessment State Data Collection Project	Jeffrey Schilit
\$563K	Long-range Broad Agency Announcement for Navy and Marine Corps Science and Technology	Design of energy-efficient autonomous support ships	Manhar Dhanak
\$433K	National Heart, Lung, and Blood Institute – Federal	Restrictive cardiomyopathy caused by cardiac troponin mutations	Xupe Huang
\$219K	National Science Foundation	Practical leakage resilience: provable sid-channel resistance for embedded systems	Thomas Eisenbarth

Research Highlights

Accomplishments

- 22 FAU faculty and staff members participated in the National Science Foundation Day Workshop at University of Central Florida
- Dr. David Lewkowicz received national press coverage for his study determining how babies learn to talk
(370+ news articles: Science News, MSNBC, ABC News, U.S. News & World Report, Associated Press, CBS News, Asian News Int'l)
- Division of Research hired four grant editors to facilitate successful grant applications
- Provide monthly training sessions for university staff on Research Administration
- Joined the National Academy of Inventors
- Research Roundtable: Healthy Aging Research Initiative – Biomarkers of Aging

Research Highlights

Upcoming

- Expect to hire new Associate Vice President of Research in the coming weeks
- 3rd Annual Graduate Research Day, March 30th (expect to have over 100 graduate students present their research findings)
- Publish the 2011 Annual Research Report in March
- Host Additional Research Roundtables in March and April
- Provide Grant Writing Workshops in March and April
- Host the Sponsored Research Recognition Reception, April 11th (will recognize over 120 faculty researchers)

**Florida Atlantic University/Division of Research
 Proposal Submissions Fiscal Year 2011-2012
 Quarterly Comparison By College**

College	Department	Fiscal Year 2012 1st Quarter (7/1/11-09/30/11)		Fiscal Year 2012 2nd Quarter (10/1/11-12/31/11)		Fiscal Year 2012 3rd Quarter (1/1/12-03/31/12)		Fiscal Year 2012 4th Quarter (4/1/12-06/30/12)		Fiscal Year 2012 To Date	
		#	\$	#	\$	#	\$	#	\$	#	\$
Dorothy F. Schmidt College of Arts and Letters											
	Anthropology	0	0	0	0	0	0	0	0	0	0
	School of Comm. & Multimedia Studies	0	0	0	0	0	0	0	0	0	0
	Dean's Office	0	0	0	0	0	0	0	0	0	0
	English	0	0	0	0	0	0	0	0	0	0
	History	0	0	0	0	0	0	0	0	0	0
	Languages/Ling. & Comparative Literature	0	0	0	0	0	0	0	0	0	0
	Political Science	0	0	0	0	0	0	0	0	0	0
	Schmidt Center Gallery	0	0	0	0	0	0	0	0	0	0
	Sociology	0	0	0	0	0	0	0	0	0	0
	Theatre	0	0	0	0	0	0	0	0	0	0
	Women & Gender Studies	1	28,600	0	0	0	0	0	0	1	28,600
Total		1	\$ 28,600	0	\$0	0	\$0	0	\$0	1	\$ 28,600
Charles E. Schmidt College of Medicine											
	Basic Science	9	5,348,531	7	3,049,831	0	0	0	0	16	8,398,362
	Clinical Science & Medical Education	5	1,911,357	3	261,627	0	0	0	0	8	2,172,984
Total		14	\$ 7,259,888	10	\$ 3,311,458	0	\$0	0	\$0	24	\$ 10,571,346
College of Business											
	Industry Studies	0	0	0	0	0	0	0	0	0	0
	Management Programs	0	0	0	0	0	0	0	0	0	0
	Small Business Development Center	0	0	0	0	0	0	0	0	0	0
	Finance	0	0	0	0	0	0	0	0	0	0
	Center for Economic Education	1	21,800	0	0	0	0	0	0	1	21,800
	Dean's Office	0	0	0	0	0	0	0	0	0	0
Total		1	\$ 21,800	0	\$0	0	\$0	0	\$0	1	\$ 21,800
College for Design & Social Inquiry											
	Catanese Center	0	0	0	0	0	0	0	0	0	0
	Center for Urban Redevelopment and Education	0	0	0	0	0	0	0	0	0	0
	Criminology and Criminal Justice	2	130,397	0	0	0	0	0	0	2	130,397
	Public Administration	1	337,101	0	0	0	0	0	0	1	337,101
	Social Work	1	2,000	1	17,500	0	0	0	0	2	19,500
	Urban and Regional Planning	0	0	1	8,393	0	0	0	0	1	8,393
	School of Architecture	1	2,400	1	15,079	0	0	0	0	2	17,479
	Institute of Government	0	0	0	0	0	0	0	0	0	0
	Public Affairs	0	0	0	0	0	0	0	0	0	0
Total		5	\$ 471,898	3	\$ 40,972	0	\$0	0	\$0	8	\$ 512,870

**Florida Atlantic University/Division of Research
Proposal Submissions Fiscal Year 2011-2012
Quarterly Comparison By College**

College	Department	Fiscal Year 2012 1st Quarter (7/1/11-09/30/11)		Fiscal Year 2012 2nd Quarter (10/1/11-12/31/11)		Fiscal Year 2012 3rd Quarter (1/1/12-03/31/12)		Fiscal Year 2012 4th Quarter (4/1/12-06/30/12)		Fiscal Year 2012 To Date	
		#	\$	#	\$	#	\$	#	\$	#	\$
College of Education											
	Academic & Student Services	0	0	0	0					0	0
	AD Henderson University School	4	473,394	2	206,167					6	679,561
	Counselor Education	0	0	1	370,877					1	370,877
	Communication Sciences & Disorders	0	0	0	0					0	0
	Curriculum, Culture, & Educational Inquiry	0	0	0	0					0	0
	Dean's Office	1	209,308	0	0					1	209,308
	Education Leadership	1	4,000,000	0	0					1	4,000,000
	Elementary Education	0	0	0	0					0	0
	Exceptional Student Education	1	39,964	1	16,600					2	56,564
	Exercise Science and Health Promotion	0	0	0	0					0	0
	Pine Jog Environmental Education Center	0	0	0	0					0	0
	Teaching and Learning	5	5,050,319	0	0					5	5,050,319
	Teaching Leadership Center	0	0	0	0					0	0
	Ctr. For Holocaust/Human Rights Education	0	0	0	0					0	0
Total		12	\$ 9,772,985	4	\$ 593,644	0	\$0	0	\$0	16	\$ 10,366,629
College of Engineering and Computer Science											
	Civil, Environ., & Geomatics	4	941,717	9	1,130,401					13	2,072,118
	Comp, Elect. Eng, & Computer Science	4	695,021	8	1,315,659					12	2,010,680
	Computer Science and Engineering	0	0	1	312,024					1	312,024
	Dean's Office	1	49,210	1	78,671					2	127,881
	Center for Intermodal Transportation Safety & Security	0	0	0	0					0	0
	SE National Marine Renewable Energy Ctr.	1	500,000	1	349,945					2	849,945
	Ocean & Mechanical Engineering	10	24,210,555	2	204,782					12	24,415,337
Total		20	\$ 26,396,503	22	\$ 3,391,482	0	\$0	0	\$0	42	\$ 29,787,985
Harriet L. Wilkes Honors College											
	Biology	0	0	0	0					0	0
	Chemistry	0	0	0	0					0	0
	Mathematics	0	0	0	0					0	0
	Political Science	0	0	0	0					0	0
Total		0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Christine E. Lynn College of Nursing											
		6	349,242	8	2,570,841					14	2,920,083
Total		6	\$ 349,242	8	\$ 2,570,841	0	\$0	0	\$0	14	\$ 2,920,083

**Florida Atlantic University/Division of Research
Proposal Submissions Fiscal Year 2011-2012
Quarterly Comparison By College**

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		#	\$	#	\$	#	\$	#	\$	#	\$
Charles E. Schmidt College of Science											
	Biological Sciences	12	18,591,681	7	1,352,357					19	19,944,038
	Center for Complex Systems & Brain Sciences	1	944,136	0	0					1	944,136
	Center for Environmental Studies	6	794,266	2	1,527,458					8	2,321,724
	Center for Molecular Biology and Biotechnology	1	1,500,000	4	1,809,628					5	3,309,628
	Chemistry and Biochemistry	2	324,475	5	1,864,831					7	2,189,306
	Geosciences	6	1,352,404	3	1,559,326					9	2,911,730
	Mathematical Sciences	2	507,170	2	41,750					4	548,920
	Physics	3	1,295,632	3	813,464					6	2,109,096
	Dean's Office	0	0	0	0					0	0
	Psychology	0	0	1	25,000					1	25,000
Total		33	25,309,764	27	\$ 8,993,814	0	\$0	0	\$0	60	\$ 34,303,578
Harbor Branch Oceanographic Inst.											
	Aquaculture & Stock Enhancement	7	1,077,907	1	743,708					8	1,821,615
	Coastal Ecosystems Research	16	5,108,500	7	1,004,503					23	6,113,003
	Marine Biomedical Research	2	426,555	2	725,135					4	1,151,690
	Ocean Engineering & Technology	4	3,037,201	1	496,003					5	3,533,204
	Ocean Exploration & Deep Sea Research	0	0	0	0					0	0
Total		29	\$ 9,650,163	11	\$ 2,969,349	0	\$0	0	\$0	40	\$ 12,619,512
Other											
	VP for Research/IRM	5	1,532,505	3	2,260,090					8	
	Academic/Student Affairs	1	10,913	0	0					1	
	Environmental Health & Safety/Univ. Architect	0	0	0	0					0	
	Library	0	0	0	0					0	
	Division of Research/VPOR	0	0	0	0					0	
	University Police Department	0	0	0	0					0	
Total		6	\$ 1,543,418	3	\$ 2,260,090	0	\$0	0	\$0	9	\$ 3,803,508
University Total		127	\$ 80,804,261	88	\$ 24,131,650	0	\$0	0	\$0	215	\$ 104,935,911

Florida Atlantic University/Division of Research
Awards Received Fiscal Year 2011-2012
Quarterly Comparison By College

College	Department	Fiscal Year 2012 1st Quarter (7/1/11-09/30/11)	Fiscal Year 2012 2nd Quarter (10/1/11-12/31/11)	Fiscal Year 2012 3rd Quarter (1/1/12-3/31/12)	Fiscal Year 2012 4th Quarter (4/1/12-06/30/12)	Fiscal Year 2012 To Date
		\$	\$	\$	\$	\$
Dorothy F. Schmidt College of Arts and Letters						
	Anthropology	179,735	0			179,735
	School of Communication & Multimedia Studies	0	0			0
	Dean's Office	0	0			0
	English	0	0			0
	History	0	0			0
	Languages/Linguistics & Comparative Literature	44,720	0			44,720
	Political Science	0	0			0
	Schmidt Center Gallery	0	0			0
	Sociology	0	0			0
Total		\$224,455	\$0	\$0	\$0	\$224,455
Charles E.Schmidt College of Medicine						
	Basic Science	156,282	317,900			474,182
	Clinical Science & Medical Education	50,681	550,204			600,885
Total		\$206,963	\$868,104	\$0	\$0	\$1,075,067
College of Business						
	Center for Economic Education	21,800	0			21,800
	Industry Studies	0	0			0
	Management Programs	0	0			0
	Small Business Development Center	0	0			0
	School of Accounting	0	0			0
Total		\$21,800	\$0	\$0	\$0	\$21,800
College for Design and Social Inquiry						
	Catanese Center	0	0			0
	Criminology and Criminal Justice	30,397	0			30,397
	Institute of Government	595,580	0			595,580
	Public Administration	13,428	0			13,428
	School of Architecture	2,400	0			2,400
	Social Work	1,295,000	19,500			1,314,500
	Urban and Regional Planning	256,279	8,393			264,672
Total		\$2,193,084	\$27,893	\$0	\$0	\$2,220,977
College of Education						
	AD Henderson University School	113,054	812,619			925,673
	Counselor Education	0	672,621			672,621
	Curriculum, Culture & Educational Inquiry	0	0			0
	Dean's Office	209,308	0			209,308
	Education Leadership	0	1,089,390			1,089,390
	Elementary Education	0	0			0
	Exceptional Student Education	473,254	16,600			489,854
	Exercise Science and Health Promotion	0	0			0

Florida Atlantic University/Division of Research
Awards Received Fiscal Year 2011-2012
Quarterly Comparison By College

College	Department	Fiscal Year 2012 1st Quarter <small>(7/1/11-09/30/11)</small>	Fiscal Year 2012 2nd Quarter <small>(10/1/11-12/31/11)</small>	Fiscal Year 2012 3rd Quarter <small>(1/1/12-3/31/12)</small>	Fiscal Year 2012 4th Quarter <small>(4/1/12-06/30/12)</small>	Fiscal Year 2012 To Date
		\$	\$	\$	\$	\$
	Pine Jog Environmental Education Center	0	103,000			103,000
	Teaching & Learning Department	293,553	14,840			308,393
	Teaching Leadership Center	0	0			0
	Office of Academic and Student Svcs.	0	0			0
	Ctr. Holocaust/Human Rights Education	8,750	0			8,750
Total		\$1,097,919	\$2,709,070	\$0	\$0	\$3,806,989
College of Engineering and Computer Science						
	Civil, Environmental, & Geomatics	45,000	0			45,000
	Comp, Elect. Eng. & Computer Science	265,887	516,551			782,438
	Computer Science and Engineering	134,040	0			134,040
	Dean's Office	49,210	0			49,210
	Center for Intermodal Transportation					
	Safety & Security	0	0			0
	SE National Marine Renewable Energy					
	Ctr.	0	0			0
	Ocean Engineering	50,000	0			50,000
	Ocean & Mechanical	115,158	658,768			773,926
Total		\$659,295	\$1,175,319	\$0	\$0	\$1,834,614
Harriet L. Wilkes Honors College						
	Biology	400	0			400
	Chemistry	0	0			0
Total		\$400	\$0	\$0	\$0	\$400
Christine E. Lynn College of Nursing						
		1,113,728	836,941			1,950,669
Total		\$1,113,728	\$836,941	\$0	\$0	\$1,950,669
Charles E. Schmidt College of Science						
	Biological Sciences	576,243	89,320			665,563
	Center for Complex Systems & Brain					
	Sciences	317,885	0			317,885
	Center for Environmental Studies	404,751	438,307			843,058
	Center for Molecular Biology and					
	Biotechnology	9,500	0			9,500
	Chemistry and Biochemistry	43,308	180,864			224,172
	Geosciences	26,000	69,123			95,123
	Mathematical Sciences	93,733	10,000			103,733
	Physics	35,952	107,234			143,186
	Psychology	422,191	25,000			447,191
Total		\$1,929,563	\$919,848	\$0	\$0	\$2,849,411

Florida Atlantic University/Division of Research
Awards Received Fiscal Year 2011-2012
Quarterly Comparison By College

		Fiscal Year 2012 1st Quarter (7/1/11-09/30/11)	Fiscal Year 2012 2nd Quarter (10/1/11-12/31/11)	Fiscal Year 2012 3rd Quarter (1/1/12-3/31/12)	Fiscal Year 2012 4th Quarter (4/1/12-06/30/12)	Fiscal Year 2012 To Date
College	Department	\$	\$	\$	\$	\$
Harbor Branch Oceanographic Institute						
	Aquaculture & Stock Enhancement	454,622	12,000			466,622
	Coastal Ecosystems Research	2,816,966	182,910			2,999,876
	Marine Biomedical Research	416,638	137,999			554,637
	Ocean Engineering & Technology	353,184	0			353,184
	Ocean Exploration & Deep Sea Research	288,566	1,372,235			1,660,801
Total		\$4,329,976	\$1,705,144	\$0	\$0	\$6,035,120
Other						
	VP for Research/IRM	3,643,492	2,994,458			6,637,950
	Academic/Student Affairs	398,330	0			398,330
	Environmental Health & Safety	0	0			0
	Library	0	0			0
	Division of Research	0	0			0
	University Police Department	0	0			0
Total		\$4,041,822	\$2,994,458	\$0	\$0	\$7,036,280
University Total		\$15,819,005	\$11,236,777	\$0	\$0	\$27,055,782

Awards by Type of Activity	Fiscal Year 2012 1st Quarter (7/1/11-09/30/11)	Fiscal Year 2012 2nd Quarter (10/1/11-12/30/11)	Fiscal Year 2012 3rd Quarter (1/1/12-3/31/12)	Fiscal Year 2012 4th Quarter (4/1/12-06/30/12)	Fiscal Year 2012 To Date
Organized Research (OR) (Individual/Project Research)	6,927,281	7,141,313			14,068,594
Instruction (INST) (General Academic Instruction)	7,355,418	3,112,722			10,468,140
Other Sponsored Activities (OSA) (Community Service/Outreach/Clinical Trials)	1,536,306	982,742			2,519,048
University Total	\$ 15,819,005	\$ 11,236,777	\$ -	\$ -	\$ 27,055,782