

COLLEGE OF CHARLESTON
Office of Research and Grants Administration

Annual Report on External Funding Activity—Awards & Proposals
Fiscal Year 2013
July 1, 2012—June 30, 2013

The College of Charleston received 71 awards totaling \$8,386,172 in external funding during fiscal year 2013 (July 1, 2012 to June 30, 2013). Of these awarded funds, seventy-four percent came from federal sources.

During the same period, on hundred and twelve proposals requesting \$22,938,410 in funding were submitted to fifty-eight different sponsors. Of the requested funds, eighty-two percent was requested from federal sources. The sponsor to which the most proposals were submitted was National Science Foundation, with twenty-two proposals. The next most prevalent sponsor was NASA with twenty proposals, eleven of which through the NASA EPSCoR program.

Award Amounts by Funding Source, Fiscal Year 2013:

<u>Funding Source</u>	<u>Number of Awards</u>	<u>Amount</u>
Federal	44	\$ 6,173,554
State (SC only)	5	\$ 996,243
Private (Nonprofit, Corporate, other states, etc.)	21	\$ 1,213,226
Local Govt. (Charleston area only)	1	\$ 5,049
Foreign	0	\$ 0
Total	71	\$ 8,386,172

Submitted Proposals by Funding Source, Fiscal Year 2013:

<u>Funding Source</u>	<u>Number of Proposals</u>	<u>Amount</u>
Federal	62	\$ 18,869,439
State (SC only)	8	\$ 1,260,967
Private (Nonprofit, Corporate, other states, etc.)	41	\$ 2,716,004
Local Govt. (Charleston area only)	0	\$ 0
Foreign	1	\$ 92,000
Total	112	\$ 22,938,410

Awards received and proposals submitted between July 1, 2013 and June 30, 2014 will be reported in the annual report for fiscal year 2014.

Funding Received by School, Fiscal Year 2013:

Category	Amount Received
Academic Affairs	\$218,680
School of the Arts	\$20,000
School of Business & Economics	\$299,862
Graduate School	\$896,272
School of Education, Health, & Human Performance	\$854,098
School of Humanities & Social Sciences	\$769,056
School of Languages, Culture, & World Affairs	\$59,250
Library	\$381,126
School of Sciences & Mathematics	\$4,667,828
Student Affairs	\$720,000
Total	\$8,386,172

Sponsors to which Proposals were Submitted, Fiscal Year 2013:

Sponsor (Originating Agency)	Number of Proposals Submitted	Total Amount Requested
National Science Foundation	22	\$6,293,780
NASA	9	2276870
SC EPSCoR (housed at USC)	6	\$697,497
NASA EPSCoR	5	\$3,373,921
Research Corporation for Science Advancement	5	150,000
Simons Foundation	4	140,000
National Endowment for the Humanities	3	1027699
NIH	3	\$825,241
Chandra Observatory at Harvard University	2	\$65,700
National Security Agency	2	\$93,450
Pacific Islands Regional Office, NMFS, NOAA	2	\$91,008
SC Department of Education	2	\$329,964
Alliance for Full Acceptance	1	\$4,000
American Chemical Society	1	\$50,000

Arizona Geological Society	1	\$10,000
Boeing	1	\$339,826
California State University	1	\$40,588
Clemson University	1	\$3,000
COPS	1	\$40,763
Council on Library and Information Resources	1	\$192,300
DHEC	1	\$25,000
Environmental Protection Agency	1	\$215,981
Institute for Aegean Prehistory	1	\$29,958
Loeb Classical Library Foundation	1	\$34,376
Mississippi State University	1	\$24,735
MUSC	1	\$131,598
National Academy of Education/Spencer Foundation	1	55000
National Historic Publications & Records Commission	1	\$79,200
National Institute for Justice	1	\$414,243
National Park Service	1	\$27,349
NC State University	1	\$114,056
NIH	1	\$147,240
Patient-Centered Outcomes Research Institute	1	\$365,697
Pew Charitable Trusts	1	\$150,000
Purdue University	1	\$362,533
SAMSHA	1	\$301,527
Save our Seas Foundation	1	\$19,989
SC Commission on Higher Education	1	\$10,430
SC Department of Natural Resources	1	\$831,234
SC DNR	1	\$22,403
SC DNR Geological Division	1	\$30,884
SC Sea Grant Consortium (NOAA)	1	\$13,049

SC Space Grant Consortium (NASA)	1	\$5,000
SC Water Resources Center	1	\$20,052
Sea Grant Consortium (SC DNR)	1	\$16,000
Sea World	1	\$330
Sonoma State University	1	\$6,000
Southeastern Environmental Education Alliance	1	\$4,977
Space Grant Telescope in Science Institute	1	\$39,654
The Humanities Council-SC	1	\$7,948
The Nature Conservancy	1	\$25,076
The Spencer Foundation	1	\$39,999
Tribe of Nulato	1	\$948
UC-San Diego	2	\$54,422
University of Arizona	1	\$55,000
US Department of Education	1	\$2,999,821
US Institute of Peace	1	\$119,094
US/Israel Binational Science Foundation	1	\$92,000
Total:	112	\$ 22,938,410

Funding Received, Fiscal Year 2013								
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals	
McNeal, Anne		Academic Experience	ProjectROAR, A Student support Services Program to Serve 140 Low-income, First Generation, and Disabled Students	US Department of Education		\$213,180		
Total Academic Experience							\$213,180	
Folds-Bennett, Trisha		Honors College	Literacy Outreach Initiative	Dollar General Literacy Foundation		\$2,000		
Total Honors College							\$2,000	
Gilliard, Christopher		Multicultural Student Center	Supplemental funds for Safe Zone Project, Year 4	Alliance for Full Acceptance		\$3,500		
Total Multicultural Student Center							\$3,500	
Total Academic Affairs							\$218,680	
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals	
Sloan, Mark		Halsey Gallery	Rebound: Dissections and Excavations in Book Art	National Endowment for the Arts		\$20,000		
Total Hasley							\$20,000	
Total Arts							\$20,000	
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals	
Gourdin, Kent	Levine, Norm	Global Logistics & Supply Chain Management	Motor Carrier Safety Assistance Program: Unified Risk Assessment and Management of Hazardous Materials Transportation in South Carolina	SC State Transportation Police	US Department of Transportation	\$295,362		
Total Global Logistics & Supply Chain Management							\$295,362	
Frash, Bob (Pan, Bing)	Smith, Wayne	Hospitality & Tourism Management	Year 2: Historic Charleston Foundation's Tourism Analysis Study	Historic Charleston Foundation		\$4,500		
Total Hospitality & Tourism Management							\$4,500	
Total Business & Economics							\$299,862	
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals	
Key, Janet		Graduate School/MPA Program	KICA Election Ballot for 2013 Annual Meeting	Kiawah Island Community Associaton (KICA)		\$7,742		
Total MPA Program							\$7,742	
Owens, Dave		Graduate School	Hormone Analysis of turtle blood samples	FWC/FWRI		\$1,760		
Owens, Dave		Graduate School	Sea turtle embryo mortality as a function of the microbial activity in nest and sand--Fellowship for Vanessa Bezy	NSF-GRFP	NSF	\$42,000		
Owens, Dave		Graduate School	Reproductive Evaluation of Loggerhead Sea Turtles from Florida Bay	Florida Fish and Wildlife Conservation Commission		\$5,198		
Owens, Dave		Graduate School	Services to conduct the analysis of sea turtle blood samples by the College of Charleston, Grice Marine Laboratory in the laboratory of Dr.	NOAA		\$2,200		
Owens, Dave		Graduate School	Graduate Research Assistantships for SCDNR Marine Resources Division	SC Department of Natural Resources		\$831,234		
Owens, Dave		Graduate School	Sea World Sea Turtle Sexing	Sea World		\$330		
Owens, Dave		Graduate School	IRG Florida Samples	Inwater Research Group		\$5,808		
Total Graduate School							\$888,530	
Total Graduate School							\$896,272	
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals	
Lewis, Andrew		Health and Human Performance	Advanced Placement Summer Institutue 2013	SC Department of Education		\$17,450		
Thompson, Olivia		Health and Human Performance	CofC Subcontract: Creating a healthier Lowcountry through active living and some-free air	Eat Smart Move More Charleston Tri-County/MUSC/DHEC	Center for Disease Control and Prevention	\$11,550		

Thompson, Olivia	Stewart, Kendra; Hemphill, Michael	Health and Human Performance	Farm-to-School Renewal and Expansion, 2013-2014	Boeing		\$200,000	
Total Health and Human Performance							\$229,000
Skinner, Mike		Teacher Education	Project CREATE 2012-2013	SC Department of Education	US Department of Education	\$50,414	
Brock, Laura		Teacher Education	Year 2: Wings	University of Virginia	US Department of Education	\$182,803	
Skinner, Mike		Teacher Education	Subaward: SC Gateways State Personnel Development Grant	SC Department of Education	US Department of Education	\$65,000	
Veal, William		Teacher Education	Year 3: Developing Science and Mathematics Content Knowledge for Teaching	SC Department of Education	US Department of Education	\$249,401	
Swanson, Julie		Teacher Education	2012-2013 Gifted & Talented Graduate Course Program	SC Department of Education		\$77,480	
Total Teacher Education							\$625,098
Total Education, Health & Human Performance							\$854,098
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals
Newhard, James		Classics	Loeb Classical Library Foundation Fellowship	Loeb Classical Library Foundation	Harvard University	\$34,376	
Total Classics							\$34,376
Peeples, Scott		English	Southern American Studies Association Conference, Spring 2013			\$3,000	
Total English							\$3,000
Watson, Annette	Stewart, Kendra; Keenan, Kevin	Political Science	Year 2: Coastal Livelihoods and The Local Sense of Place: Assessing Social-Ecological Relationships and Environmental Values in the Face of Demographic Changes in Greater Mount Pleasant, Awendaw and McClellanville, South Carolina	SC Sea Grant	NOAA	\$31,487	
Watson, Annette		Political Science	Traditional Ecological Knowledge of Moose, Other Wildlife Species, and Climate Change in Allakaket/Alatna	Tacana Chiefs Conference	National Park Service	\$32,693	
Total Political Science							\$64,180
Wright, Jen	Nadelhoffer, Thomas	Psychology	Humility, Conviction, and Disagreement in Morality; AN Interdisciplinary Investigation	The Templeton Foundation		\$240,355	
May, Cynthia		Psychology	Year 3: REACH FAR	US Department of Education		\$422,096	
Total Psychology							\$662,451
Stewart, Kendra		Riley Center	Mt. Pleasant Waterworks Customer Satisfaction Survey, Year 4	Mt. Pleasant Water System		\$5,049	
Total Riley Center							\$5,049
Total Humanities & Social Sciences							\$769,056
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals
Lewis, Simon		CLAW	Workshop on 'Teaching the New History of Emancipation in the Carolinas'	The Humanities Council-SC (THC-SC)	National Endowment for the Humanities	\$850	
Total CLAW							\$850
De Luca, Giovanna		French, Francophone, & Italian Studies	Nuovo Cinema Italionao Film Festival Charleston, SC	The Humanities Council-SC (THC-SC)	National Endowment for the Humanities	\$8,000	
Total French, Francophone, & Italian Studies							\$8,000
Owens, Sarah		Hispanic Studies	Early Modern Nuns in the Spanish Philippines	American Council of Learned Societies (ACLS)		\$50,400	
Total French, Francophone, & Italian Studies							\$50,400
Total Languages, Cultures, & World Affairs							\$59,250
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals
Ivy, Helen		Library	SC DNR Library Services (2012-2013)	SC Department of Natural Resources		\$55,039	
Ivy, Helen		Library	Management of NMFS Charleston Laboratory Library (2011-12)	NOAA - NIST		\$103,087	
White, John	Gilbert, Heather	Library	Year 3: SC SC Digital Library: Ongoing Initiative	University of South Carolina	Institute of Museum and Library Sciences (IMLS)/National Endowment for the Humanities	\$10,000	

Rosengarten, Dale	Greene, Harlan	Library	Processing Rosenthall Collection of Judaica	Council on Library and Information Resources (CLIR)		\$193,000	
White, John		Library	The Arcadia Project	Clemson University/ Open Knowledge Commons		\$20,000	
						Total Library	\$381,126
						Total Library	\$381,126
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals
DiTullio, Jack		Biology	TRACERS: Tracing the fate of Algal Carbon Export in the Ross Sea	NSF		\$313,461	
Dustan, Phil		Biology	Year 4: Continuation of ecological watershed studies on BP lands	BP America, Inc.		\$1,000	
Plante, Craig		Biology (Marine Biology)	Year 2: Growth and Distribution of Deep-Water Constructional Scleratinia	SC Sea Grant Consortium	NOAA	\$22,390	
Welch, Allison	Cory, Wendy	Biology	Effects of Pharmaceutical Photodegradation Products in Freshwater on L	South Carolina Water Resources Center at Clemson University	US Geological Service	\$12,031	
Burnett, Lou	Burnett, Karen	Biology (Marine Biology)	Year 2: RUI: Elevated environmental CO2 impairs acclimation to hypoxia	NSF		\$247,992	
Plante, Craig		Biology	Graduate Student Research	Slocum-Lunz		\$1,900	
						Total Biology	\$598,774
Riggs-Gelasco, Pam	Meyer-Bernstein, Beth; Hurd, Mark	Chemistry	2012 Undergraduate Science Education Completion	Howard Hughes Medical Institute (HHMI)		\$385,040	
Deavor, Jim		Chemistry	Year 3: Building Biomedical Research Pathways in Genetics, Neurobiology, and Chemical Biology	University of South Carolina	National Institutes of Health	\$129,286	
Guirgis, Gamil		Chemistry & Biochemistry	Year 2: Conformational stability from variable-temperature infrared spectra of xenon solutions, ab initio calculations, and structural parameters of cyclohexanes with silicon atoms in the cyclic backbone	Camille and Hengry Dreyfus Foundation, Inc.		\$10,000	
Cory, Wendy	Vulava, Vijay	Chemistry & Biochemistry	RUI: Photochemical Degradation, Soil Sorption, and Environmental Fate of Pharmaceutically active Compounds in Simulated and Natural Water Samples	National Science Foundation		\$133,880	
Cory, Wendy	Forconi, Marcello; Fox, Jennifer; Van Horn, Brooke; Vulava, Vijay	Chemistry & Biochemistry	MRI: Acquisition of an Ultra High Pressure Liquid Chromatograph - Mass Spectrometer for Interdisciplinary Undergraduate Research and Teaching in Chemistry and Related Fields	National Science Foundation		\$277,191	
						Total Chemistry	\$935,397
Bowring, Jim		Computer Science	Subaward: Community Engagement to Inform EarthCube Governance	Arizona Geological Survey	National Science Foundation	\$10,000	
Anderson, Paul	Shedlock, Andy	Computer Science	GEAR: CI: Building Next Generation Bioinformatics Cyberinfrastructure for Genomics enabled Research and Education in the Charleston Scientific Community	SC EPSCoR/IDEA (housed @ USC)	NSF	\$87,925	
Anderson, Paul		Computer Science	Learn2Mine: An integrated learning environment to introduce high school and undergraduate students to data mining, computer science, and data science	SC EPSCoR/IDEA Office	NSF	\$17,000	
						Total Computer Science	\$114,925
Callahan, Timothy		Geology & Environmental Geosciences	Folly River tributary, Stringer Creek: Hydrology monitoring for DOT bridge project	SC Department of Transportation		\$15,040	
Callahan, Timothy		Geology & Environmental Geosciences (MES)	Health, Well-being, and Ecosystem Service Change in Coastal Counties Impacted by the Deepwater Horizon Industrial-Environmental Disaster	SC Sea Grant Consortium	NOAA	\$13,049	
Runyon, Cassandra (Colgan, Mitchell)		Geology & Environmental Geosciences	SC Space Grant Year 20, 2012-2013	NASA		\$430,000	
Runyon, Cassandra (Colgan, Mitchell)	Hall, Cynthia	Geology & Environmental Geosciences	NASA EPSCoR MSI Faculty Engagement 2012-2014	SC NASA EPSCoR	NASA EPSCoR	\$249,985	
Harris, Scott		Geology & Environmental Geosciences	Oyster Reef Conservation and Monitoring Program	The Nature Conservancy		\$25,077	
Ali, Adem		Geology & Environmental Geosciences (MES)	Evaluating water quality parameters in the coastal waters of South Carolina using satellite data	SC Sea Grant Consortium	NOAA	\$9,999	
Beutel, Erin	Levine, Norm; Jaume, Steve	Geology & Environmental Geosciences	Earthquake Mitigation Plan and Education and Outreach: South Carolina 2013-2014	South Carolina Emergency Management Division	FEMA	\$22,894	
Runyon, Cassandra		Geology & Environmental Geosciences	Design, Manufacture, Evaluation, and Multi-physical Modeling of Aerospace Composite Materials for Enhanced Reliability (USC Flow-UAH Subaward: Student Travel for NASA Mission Class	NASA EPSCoR		\$750,000	
Runyon, Cassandra	Wragg, Jeff	Geology & Environmental Geosciences	Development of the Virgin Islands Center for Space Science at Etelman Observatory: Research, Education, and Economic Development through Promotion of NASA's Vision	University of Alabama-Huntsville	NASA	\$10,000	
Runyon, Cassandra	Hakkila, Jon; Neff, James	Geology & Environmental Geosciences	Research Infrastructure Development 2012-2015	NASA EPSCoR		\$748,921	
Runyon, Cassandra		Geology & Environmental Geosciences		NASA EPSCoR		\$125,000	

Total Geology & Environmental Geosciences \$2,399,965							
Neff, James		Physics & Astronomy	RUI/Collaborative Research: A Spectroscopic Survey of Circumstellar Gas in Lambda Boo Stars	NSF		\$79,344	
Fragile, Chris		Physics & Astronomy	RUI: Numerical Simulations of Optically Thick Accretion onto Black Holes	NSF		\$189,653	
Chartas, George		Physics & Astronomy	Energy Dependent X-Ray Microlensing and the Structure of Quasars	Chandra Observatory at Harvard University	NASA	\$50,700	
Chartas, George		Physics & Astronomy	The Energetics and Shielding of FeLoBAL Quasar Outflows	Chandra Observatory at Harvard University	NASA	\$15,000	
Carson, Joe		Physics & Astronomy	Developing a 3D imaging system for monitoring Kaposi's sarcoma	UC-San Diego		\$10,000	
Larsen, Michael		Physics & Astronomy	Collaborative Research: Characterization of the Two Dimensional/Temporal Mosaic of Drop Size Distributions and Spatial Variability (Structure) in Rain	National Science Foundation		\$237,871	
Callahan, Tim	Joseph McElwee	Geology & Environmental Geosciences	Fishing habits and fish consumption in coastal GA	SC Sea Grant Consortium	NOAA/NOS	\$24,462	
Callahan, Tim		Geology & Environmental Geosciences	Monitoring Stream Flow in the Turkey Creek Watershed, Francis Marion National Forest, South Carolina	USFS/USGS		\$11,737	
						Total Physics & Astronomy	\$618,767
						Total Sciences & Mathematics	\$4,667,828
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals
Thomas, Marjorie		Student Affairs	Year 4: McNair Post-Baccalaureate Achievement	US Department of Education		\$220,000	
						Total Student Affairs	\$220,000
						Total Funding Distributed in FY 13	\$8,386,172