

**COLLEGE OF CHARLESTON**  
**Office of Research and Grants Administration**

**Quarterly Report on External Funding Activity—Awards & Proposals**  
**Fiscal Year 2014**

The College of Charleston received one hundred and seven awards totaling \$8,529,006 in external funding during fiscal year 2014. Of these awarded funds, seventy-eight percent came from federal sources.

During the same period, eighty-four proposals requesting \$20,497,560 in funding were submitted to forty different sponsors. Of the requested funds, eighty-five percent was requested from federal sources. The sponsor to which the most proposals were submitted was the National Science Foundation, with 23 proposals. Multiple proposals were also submitted to NIH, Simons Foundation, NOAA, and SC DNR.

**Award Amounts by Funding Source, Fiscal Year 2014:**

<u>Funding Source</u>	<u>Number of Awards</u>	<u>Amount</u>
Federal	53	\$ 6,671,196
State (SC only)	9	\$ 220,411
Private (Nonprofit, Corporate, other states, etc.)	36	\$ 1,467,589
Local Govt. (Charleston area only)	8	\$ 166,840
Foreign	1	\$ 2,970
<b>Total</b>	<b>107</b>	<b>\$ 8,529,006</b>

**Submitted Proposals by Funding Source, Fiscal Year 2014:**

<u>Funding Source</u>	<u>Number of Proposals</u>	<u>Amount</u>
Federal	45	\$17,396,451
State (SC only)	8	\$ 1,150,222
Private (Nonprofit, Corporate, other states, etc.)	26	\$ 1,609,370
Local Govt. (Charleston area only)	4	\$ 104,100
Foreign	1	\$ 237,417
<b>Total</b>	<b>84</b>	<b>\$20,497,560</b>

**Sponsors to which Proposals were Submitted, Fiscal Year 2014:**

<b>Sponsor (Originating Agency)</b>	<b>Number of Proposals Submitted</b>	<b>Total Amount Requested</b>
National Science Foundation	23	\$13,326,822
NIH	7	\$1,065,699
Simons Foundation	5	\$175,000
NOAA	3	\$38,602
SC DNR	3	\$175,367
American Chemical Society	2	\$120,000
City of Charleston	2	\$90,872
Department of Education	2	\$2,983,799
NASA	2	\$339,551
NEA	2	\$174,050
SC Arts Commission	2	\$10,000
Spencer Foundation	2	\$99,210
USDA	2	\$163,943
Aaron Copland Foundation	1	\$7,500
Amphion Foundation	1	\$7,500
Blue Cross Blue Shield of South Carolina Foundation	1	\$180,224
Boeing	1	\$662,891
Charleston Trident Association of Realtors	1	\$5,500
Coastal Community Foundation/Bakker Family Fund	1	\$2,000
CTC	1	\$20,000
Donnelley Foundation	1	\$7,500
EPA	1	\$74,302
Kiawah Island Community Association (KICA)	1	\$7,819
Maryland War of 1812 Bicentennial Commission	1	\$37,063
Mathematical Association of America	1	\$6,000
Ministry of Education, Sultanate of Oman	1	\$237,417
Mount Pleasant Water Works	1	\$5,409
Municipal Association of South Carolina	1	\$3,750
National Art Education Foundation	1	\$10,000
NEA Foundation	1	\$2,000
NEH	1	\$8,000
NSA	1	\$40,000
ORAU	1	\$5,000
SC City County Management Association	1	\$20,000

SC Department of Education	1	\$78,712
Sisters of Charity-Caritas	1	\$5,000
US Department of Energy	1	\$5,211
US Forest Service/US Geological Survey	1	\$11,680
USGS	1	\$50,935
UVA/Edna McConnell Clark Foundation	1	\$233,232
<b>Total:</b>	<b>84</b>	<b>\$20,497,560</b>

Funding Received, Fiscal Year 2014						
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Amount Funded	Totals
Holcomb, Tom (Anne McNeal)		Academic Experience	ProjectROAR, A Student support Services Program to Serve 140 Low-income, First Generation, and Disabled Students	US Department of Education	\$202,031	
Holcomb, Tom (Anne McNeal)		Academic Experience	ProjectROAR, A Student support Services Program to Serve 140 Low-income, First Generation, and Disabled Students	US Department of Education	\$213,180	
<b>Total Academic Experience</b>						<b>\$415,211</b>
Key, Janet		Graduate School	KICA Election Ballot for 2014 Annual Meeting	Kiawah Island Community Association (KICA)	\$7,819	
Owens, Dave		Graduate School	IRG Florida Samples	Inwater Research Group	\$858	
Owens, Dave		Graduate School	Virginia Aquarium 2012 Sea Turtle Hormone Analysis	Virginia Aquarium Marine Science Center Foundation	\$1,144	
Owens, Dave		Graduate School	Sex determination in Bermuda Sea Turtles	FFW/Sea Turtle Conservancy	\$1,562	
Owens, Dave		Graduate School	2012 Testosterone analysis for NOAA	NOAA	\$1,056	
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	\$44,000	
<b>Total Graduate School</b>						<b>\$56,439</b>
<b>Total Academic Affairs</b>						<b>\$471,650</b>
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Amount Funded	Totals
Sloan, Mark		Halsey Institute	Promotion of Halsey Institute to promote tourism	City of Charleston (ATAX)	\$15,000	
Sloan, Mark		Halsey Institute	Jody Zellen: Above the Fold Exhibition	SC Arts Comission	\$5,000	
<b>Total Hasley</b>						<b>\$20,000</b>
Vassilandonakis, Yiargos		Music	Magnetic South Concert Series	SC Arts Comission	\$5,000	
<b>Total Music</b>						<b>\$5,000</b>
<b>Total Arts</b>						<b>\$25,000</b>
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Amount Funded	Totals
Pan, Bing		Hospitality and Tourism Management	Historic Charleston Foundation's Tourism Analysis Study	Historic Charleston Foundation	\$4,500	
Pan, Bing		Hospitality and Tourism Management	Tourism Survey and Research Projects for the City of Charleston	City of Charleston	\$25,000	
Pan, Bing		Hospitality and Tourism Management	Hospitality Performance Tracking and Visitor Survey Proposal	Charleston Area Convention and Visitors Bureau	\$100,000	
<b>Total Hospitality &amp; Tourism Management</b>						<b>\$129,500</b>
<b>Total Business &amp; Economics</b>						<b>\$129,500</b>
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Amount Funded	Totals
Swanson, Julie		CPIE	South Carolina Schools of Education/Project-Based Learning	Furman/US Department of Education	\$7,500	
<b>Total Center for Partnerships to Improve Education</b>						<b>\$7,500</b>
Dudgeon, Wes		Health & Human Performance	The Effect of High Sodium Beverage on Rehydration after Exercise	Dr. Yoo/BANa Bottling Company, LLC	\$8,000	
Flynn, Mike	Susan Flynn	Health & Human Performance	Strategies: Teaching Engineering Concepts to Harness Future Innovators and Technologists (TECHFIT)	Purdue University/National Science Foundation	\$362,533	
Lewis, Andrew		Health & Human Performance	Advanced Placement Teachers Institutes-2014	SC Department of Education	\$21,095	
Thompson, Olivia	Michael Hemphill, Maura Miller	Health & Human Performance	Farm-to-School Project, 2014-15	Boeing	\$662,891	
<b>Total Health and Human Performance</b>						<b>\$1,054,519</b>
Brock, Laura		Teacher Education	Year 3: Wings	University of Virginia	\$111,852	
Hale, Jon		Teacher Education	From Equality to Quality: Commemorating the Brown v. Board of Education (1954) Decision	The Humanities Council of SC/National Endowment for the Humanities	\$8,000	

Harris, Renard		Teacher Education	Palmetto Academy 2014: TALES: Teaching And Learning with Engaging Stories	CofC/SC Space Grant Consortium/NASA	\$8,000	
Owens, Charissa		Teacher Education	Teacher Cadet Program	Winthrop University/CERRA	\$867	
Owens, Charissa		Teacher Education	Junior and Senior Professional Experience	Winthrop University/CERRA	\$4,600	
Owens, Charissa		Teacher Education	Teacher Cadet Program	Winthrop University/CERRA	\$383	
Owens, Charissa		Teacher Education	Junior and Senior Professional Experience	Winthrop University/CERRA	\$3,600	
Owens, Charissa		Teacher Education	Junior and Senior Professional Experience	Winthrop University/CERRA	\$7,200	
Skinner, Mike		Teacher Education	Project CREATE 2013-14	SC Department of Education/US Department of Education	\$36,043	
Swanson, Julie		Teacher Education	Gifted and Talented Graduate Courses 2013-2014	SC Department of Education	\$78,712	
					<b>Total Teacher Education</b>	<b>\$259,257</b>
					<b>Total Education, Health &amp; Human Performance</b>	<b>\$1,321,276</b>
<b>Psychology</b>						
<b>PI</b>	<b>Co-I(s)</b>	<b>Department/Unit</b>	<b>Project Title</b>	<b>Sponsor</b>	<b>Amount Funded</b>	<b>Totals</b>
May, Cynthia	Hurd, Mark	Psychology	Transition to Independent Living Grant: Social Networking	CTC	\$20,000	
May, Cynthia		Psychology	Year 4: REACH FAR	US Department of Education	\$415,521	
Simonian, Susan		Psychology	Enhancing Psychological and Interdisciplinary Neuroscience Education	American Psychological Association	\$1,000	
					<b>Total Psychology</b>	<b>\$436,521</b>
Stewart, Kendra		Riley Center	Mt. Pleasant Waterworks Customer Satisfaction Survey	Mount Pleasant Water Works	\$5,409	
Stewart, Kendra		Riley Center	Internship for Ben Perrone	Horizon Project Foundation	\$6,000	
Stewart, Kendra		Riley Center	The Turning Leaf Project's Public Safety and Reentry Initiative	Coastal Community Foundation/Bakker Family Fund	\$2,000	
Stewart, Kendra		Riley Center	Know2 Activities 2013-2014	Commission on Higher Education/US Dept of Education	\$105,000	
Stewart, Kendra		Riley Center	Public Safety and Reentry Initiative	City of Charleston	\$46,700	
Stewart, Kendra		Riley Center	Facilitation of Charleston Tourism Management Plan meetings	City of Charleston	\$1,500	
Stewart, Kendra		Riley Center	SCCCMA Service Agreement	SC City County Management Association	\$20,000	
Stewart, Kendra		Riley Center	MASC	Municipal Association of South Carolina	\$3,750	
Stewart, Kendra		Riley Center	Community Based Violence Prevention Initiative	Charleston Police Dept	\$9,989	
Stewart, Kendra		Riley Center	Tri-County Housing Scorecard	Charleston Trident Association of Realtors	\$5,500	
					<b>Total Riley Center</b>	<b>\$205,848</b>
					<b>Total Humanities &amp; Social Sciences</b>	<b>\$642,369</b>
<b>Classics</b>						
<b>PI</b>	<b>Co-I(s)</b>	<b>Department/Unit</b>	<b>Project Title</b>	<b>Sponsor</b>	<b>Amount Funded</b>	<b>Totals</b>
Newhard, James	Kevin Pluta	Classics	Palace of Nestor Linear B Tablet 3-D Scanning	College of Charleston Foundation/Mellon Foundation	\$50,000	
					<b>Total Classics</b>	<b>\$50,000</b>
					<b>Total Languages, Cultures, &amp; World Affairs</b>	<b>\$50,000</b>
<b>Library</b>						
<b>PI</b>	<b>Co-I(s)</b>	<b>Department/Unit</b>	<b>Project Title</b>	<b>Sponsor</b>	<b>Amount Funded</b>	<b>Totals</b>
Lessane, Patricia	Mary Battle	Avery Center	Vertamae Smart-Grosvenor: Travel Notes of a Geechee Girl: Documentary Feature	National Endowment for the Arts	\$75,000	
Fund, Claire		Library	Project Digitizer of Roper Hospital Minutes	MUSC Foundation	\$6,000	
Greene, Harlan		Library	Medway Plantation/Gertrude Legendre Collection at CofC	CofC Foundation/Medway Foundation	\$46,250	
Ivy, Helen		Library	Management of NMFS Charleston Laboratory Library 2013-2014	NOAA-NMFS	\$103,087	
Ivy, Helen		Library	SC DNR Library Services, 2013-2014	SC DNR	\$57,835	
White, John		Library	Hidden Political Collections at the College of Charleston	National Historic Publications & Records Commission	\$87,600	
White, John		Library	Year 4: SC Digital Library: Ongoing Initiative	University of South Carolina/Institute of Museum and Library Sciences (IMLS)/National Endowment for the Humanities	\$7,441	
					<b>Total Library</b>	<b>\$383,213</b>
					<b>Total Library</b>	<b>\$383,213</b>

PI	Co-(s)	Department/Unit	Project Title	Sponsor	Amount Funded	Totals
Brew, Shelly		Biology/GML	Graduate Student Research Support 2014 (Frede)	Slocum-Lunz	\$1,041	
Brew, Shelly		Biology/GML	Graduate Student Research Support 2014 (Mealey)	Slocum-Lunz	\$1,000	
Burnett, Lou	Karen Burnett	Biology/GML	RUI: Elevated environmental CO2 impairs acclimation to hypoxia in crustaceans	National Science Foundation	\$231,309	
Burnett, Lou		Biology/GML	REU Site: Research Experiences in Marine Organism Health: Resilience and Response to Environmental Change	National Science Foundation	\$98,550	
Ditullio, Jack		Biology	Center for Integrated Modeling and Analysis of the Gulf Ecosystem (C-Image)	University of South Florida	\$8,670	
Dustan, Phil		Biology	Year 5: Continuation of ecological watershed studies on BP lands	BP America, Inc.	\$1,000	
Hillenius, Jaap		Biology	Student Worker Support	NOAA	\$3,000	
Murren, Courtney		Biology	RUI: Integrating roots into whole plant phenotypes: ecological and genetic perturbations	National Science Foundation	\$372,225	
Naylor, Gavin		Biology	REU Supplement: Collaborative Research: Jaws and Backbone: Chondrichthyan Phylogeny and a Spine for the Vertebrate Tree of Life	National Science Foundation	\$6,000	
Podolsky, Bob		Biology	REU: Research Experience in Marine Organism Health: Resilience and Response to Environmental Change	National Science Foundation	\$272,932	
Rutter, Matthew	Courtney Murren, Allan Strand	Biology	RUI: Collaborative: unPAK: undergraduates Phenotyping Arabidopsis Knockouts: A distributed genomic approach to examine evolutionary important traits	National Science Foundation	\$281,316	
Rutter, Matthew		Biology	Collaborative: RUI: The natural history of mutations: sequence and fitness data from <i>A. thaliana</i> mutation accumulation lines	National Science Foundation	\$115,019	
Sotka, Erik	Courtney Murren, Allan Strand, Stacy Krueger-Hadfield	Biology	Detecting genetic adaptation during marine invasions	National Science Foundation	\$622,923	
Sotka, Erik		Biology	Pilot Project: Stacy Krueger	Marine Biological Association of the UK	\$2,970	
Sancho, Gorka		Biology	The Pilot Fish Habitat Characterization Program (FishHab): Undergraduate Workforce Training in Ocean Fisheries Research	SC Sea Grant/NOAA	\$10,000	
<b>Total Biology</b>					<b>\$2,027,955</b>	
Forconi, Marcello		Chemistry & Biochemistry	Nucleophilic aromatic substitution in proteins: An old reaction for new functionalization strategies	Research Corporation for Science Advancement	\$35,000	
Fox, Jennifer		Chemistry & Biochemistry	Defining the Role of Accessory Protein Subunits in the Assembly Mechanism of Mitochondrial Complex I	Research Corporation for Science Advancement	\$35,000	
Riggs-Gelasco, Pam	Beth Meyer-Bernstein and Mark Hurd	Chemistry & Biochemistry	2013 Undergraduate Science Education Completion	Howard Hughes Medical Institute (HHMI)	\$350,000	
Wyatt, Justin	Wendy Cory, Brooke Van Horn, Timothy Barker, Marcello Forconi	Chemistry & Biochemistry	MRI: Acquisition of a Bruker Avance III HD 400 High Performance Digital NMR Spectrometer with a Multinuclear probe and a Sample Express 60 Sample	National Science Foundation	\$319,800	
<b>Total Chemistry &amp; Biochemistry</b>					<b>\$739,800</b>	
Anderson, Paul		Computer Science	Computational Genomics Support	NOAA	\$1,500	
Anderson, Paul	Andy Shedlock	Computer Science	REU Site: Next-Generation Bioinformatics for Genomics-enabled Research in the Life Sciences	National Science Foundation	\$334,662	
Anderson, Paul		Computer Science	Computational Genomics Support	NOAA	\$2,950	
Bowring, Jim		Computer Science	Collaborative: Analytical Techniques and Software: Development of CyberInfrastructure to Support Laser-Ablation ICP Mass Spectrometry	National Science Foundation	\$31,894	
Bowring, Jim		Computer Science	EarthCube Test Enterprise Governance: An Agile Approach	University of Arizona/National Science Foundation	\$35,000	
Chartas, Geology		Computer Science	The Ultrafast Outflow of the Lensed z=1.51 AGN HS 0810+2554	Smithsonian Astrophysical Observatory/Harvard/NASA	\$61,599	
Manaris, Bill	Renee McCauley, Marian Mazzone	Computer Science	Computing in the Arts: A Community-Building Initiative	National Science Foundation	\$234,147	
Moore, Christine		Computer Science	LS-SCAMP 2013-2018	SC State University/National Science Foundation	\$22,969	
Stalvey, RoxAnn		Computer Science	Year 4: Collaborative Research: Scaling up an innovative approach for attracting students to computing	National Science Foundation	\$63,269	
<b>Total Computer Science</b>					<b>\$787,990</b>	
Callahan, Tim		Geology	NERRS Evaluation Synthesis MES Graduate Student Landon Knapp	Sea Grant/NOAA	\$22,687	
Callahan, Tim		Geology	Stringer Creek Hydrology	SC DOT/SC DNR	\$7,520	
Callahan, Tim		Geology	Monitoring Stream Flow in the Turkey Creek Watershed, Francis Marion National Forest, South Carolina	USFS/USGS	\$11,680	

Harris, Scott		Geology	Folly Beach County Park: 2-year Renourishment Survey Program	Charleston County Parks and Recreation	\$55,423	
Harris, Scott		Geology	Search for Commodore Joshua Barney's War of 1812 Flotilla	National Park Service	\$27,349	
Harris, Scott		Geology	USS Housatonic 2014	South Carolina Hunley Comission	\$6,760	
Jaume, Steve	Norm Levine	Geology	Charleston, SC Area Earthquake Hazard Mapping Project (CAEHMP) Workshop and Pilot Study: Collaborative Research with College of Charleston and University of Memphis	US Geological Survey	\$47,659	
Levine, Norm		Geology	Evaluation of Coastal Vulnerability from Capers Island to Murrells Inlet through Applied Shoreline Change Analyses	SC DNR-SC Geological Survey	\$18,750	
Runyon, Cass	Cynthia Hall	Geology	SSERVI-UCF	Univ. of Central Florida/NASA	\$52,001	
Runyon, Cass	Cynthia Hall	Geology	SSERVI-Brown-MIT	Brown University/NASA	\$32,400	
Runyon, Cass		Geology	State NASA EPSCoR Match - Year 7	SCRA EPSCoR	\$25,632	
Runyon, Cass		Geology	Research Infrastructure Development 2012-2015	NASA EPSCoR	\$125,000	
Runyon, Cass	Jon Hakkila	Geology	UAH-CofC NASA Space Missions Design	The University of Alabama in Huntsville/NASA	\$5,000	
Runyon, Cassandra (Colgan, Mitchell)		Geology	SC Space Grant Year 21, 2013-2014	NASA	\$430,000	
Sautter, Leslie		Geology	UW VISIONS '13 expedition	University of Washington	\$11,244	
Sautter, Leslie		Geology	UW VISIONS '13 expedition	University of Washington	\$8,636	
<b>Total Geology &amp; Environmental Geosciences</b>					<b>\$887,741</b>	
Agrest, Sofia		Mathematics	Tensor SUMMA Math Camp	Mathematical Association of America	\$3,000	
Cox, Ben		Mathematics	Collaborative work in conformal field theory	Simons Foundation	\$35,000	
Langville, Amy		Mathematics	Develop and evaluate methods to forecast probability of Olympic medal achievement and international competitive ratings	US Olympic Committee	\$8,000	
<b>Total Mathematics</b>					<b>\$46,000</b>	
Carson, Joe		Physics & Astronomy	Imaging Search for Dynamically Inferred Planets in Nearby Debris Disk Systems	Jet Propulsion Laboratory/NASA	\$5,000	
Jones, Linda		Physics & Astronomy	Research Assistant and Equipment Loan	K-Laser	\$4,000	
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	\$44,098	
Neff, Jim		Physics & Astronomy	IPA Appointment	National Science Foundation	\$118,350	
Oprisan, Sorinel		Physics & Astronomy	Year 3: Supplement CAREER	National Science Foundation	\$20,000	
Oprisan, Sorinel		Physics & Astronomy	Year 4: CAREER	National Science Foundation	\$90,000	
Oprisan, Sorinel		Physics & Astronomy	REU Site: A Pilot Distributed REU Site Focused on serving Physics & Astronomy Students from Comprehensive and Community Colleges	Central Washington University/National Science	\$9,172	
<b>Total Physics &amp; Astronomy</b>					<b>\$290,620</b>	
<b>Total Sciences &amp; Mathematics</b>					<b>\$4,780,106</b>	
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Amount Funded	Totals
McNamara, Rachael	Frank Budd	Counseling	Campus Suicide Prevention	SAMHSA	\$301,527	
<b>Total Counseling</b>					<b>\$301,527</b>	
Gilliard, Christopher		Multicultural Student Center	Supplemental funds for Safe Zone Project, Year 4	Alliance for Full Acceptance	\$4,000	
<b>Total Multicultural Student Center</b>					<b>\$4,000</b>	
Lessane, Talim (Lewis, Leroy)		Upward Bound	College of Charleston Upward Bound Program	US Department of Education (TRIO)	\$420,365	
<b>Total Upward Bound</b>					<b>\$420,365</b>	
<b>Total Student Affairs</b>					<b>\$725,892</b>	
<b>Total Funding Distributed in FY 2014</b>					<b>\$8,529,006</b>	