

#### **Combined Proposal and Award Activity Report**

Prepared by Office of Sponsored Programs & Sponsored Program Accounting

April 2021

Comparison Charts of Proposal/Award/Expenditure for past 3 years: p. 2-5 Proposals Submitted by OSP: p. 6-9 Awards Budgeted by SPA: p. 10-12 Comparison of Proposal/Award/Expenditure Data for past 3 years: p. 13-15

# SUMMARY April 1, 2021 through April 30, 2021

		Apr	il 2021	July -	April 2021
Proposals Submitted by OSP	88	\$	33,243,846	\$	433,883,130
Awards Budgeted by SPA	53	\$	9,202,023	\$	131,606,206
Expenditures				\$	93,364,218

Sponsor Type	Number of Awards	Aw	varded Amount
Federal Agency	17	\$	6,608,606
For Profit Organization	7	\$	536,495
Foreign Sponsor	1	\$	71,218
Local Government Agency	3	\$	7,890
Non-Louisiana State Agency	1	\$	47,195
Non-Profit Organization	3	\$	198,396
Private University-For Profit	0	\$	-
Private University-Not For Profit	3	\$	65,649
Public University-Louisiana	5	\$	445,582
Public University-Non-Louisiana	3	\$	147,389
State Agency	10	\$	1,073,603
TOTAL	53	\$	9,202,023

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#### Awards by Sponsor April 2021









Report Footnotes: Proposal and award numbers are based off of project credit at time the report is generated. Expenditure numbers are based off of the cost center charged at time the report is generate

#### Comparison of Invention & Patent & Revenue for past 3 years



**Comparison of Invention Disclosures** 

## **Comparison of Total U.S. Patent Applications**





Comparison of Total U.S. Patents Issued

Comparison of Total Revenue for Licensing of Intellectual Property



# Proposals Submitted by OSP

## April 2021

Principal Investigator Co-PI(s)	<u>Type</u>	Agency	Title		<u>Amount</u>
Tully, Thomas Norman	Р	Recreation and Park Commission for EBR	Veterinary Training Agreement Between BREC's Baton	\$	10,073.52
Nevarez, Javier G	C	Parish (BREC)	Rouge Zoo and Louisiana State University and Agriculture and Mechanical College	Ŷ	10,073.32
Romagnoli, Jose A	Р	ExxonMobil	Adaptive Fault Diagnosis/Data Pre-processing with Structural Learning	\$	141,571.84
Robbins, Kevin Douglas	Ρ	National Oceanic and Atmospheric Administration (NOAA)	Operations of the Southern Regional Climate Center	\$	76,447.20
Bentley, Samuel J Sr	Ρ	Syncom Space Services (S3)	Operation of the National Center for Advanced Manufacturing (NCAM)	\$	600,000.42
Wolshon, Paul B	Р	University of Arkansas, Fayetteville	University of Arkansas Maritime Transportation Research and Education Center (MarTREC)	\$	185,000.00
Polito, Michael John Hooper-Bui, Linda M Swenson, Erick M	P C C	National Oceanic and Atmospheric Administration (NOAA)	Linking Community and Food-Web Approaches to Restoration: An Ecological Assessment of Created and Natural Marshes Influenced by River Diversions	\$	119,007.00
Liu, Kam-Biu	Ρ	National Science Foundation (NSF)	Collaborative Research: A multiple-technique approach for deconvolving tropical cyclone effects on Late Quaternary geomorphic change in arid southwestern North America	\$	60,725.88
Kousoulas, Konstantin Saini, Yogesh Subramanian, Ramesh	P C C	National Institutes of Health (NIH)	Protective role of Activating Transcription Factor 6 (ATF6) against endothelial barrier dysfunction.	\$	148,140.64
Wilde, Mark M	P	National Science Foundation (NSF)	Quantifying and optimizing the performance of continuous- variable quantum logic operations	\$	52,342.80
Okeil, Ayman M Jafari, Navid H	P C	LA Transportation Research Center (LTRC)	Developing The Load Distribution Formula for Louisiana Culverts	\$	39,937.92
Wu, Zhong	Р	LA Transportation Research Center (LTRC)	LSU Support for the Management and Operations of the Pavement Research Facility	\$	3,205,727.00
Wang, Tuo	Ρ	Pennsylvania State University	Center for Lignocellulose Structure and Formation (CLSF III): Solid-State NMR and Dynamic Nuclear Polarization Techniques for Investigating Carbohydrate Structure and Lignin Interactions in Plant Cell Walls	\$	22,679.52
Mitchell, Brant Dyla	Ρ	LA Department of Health (LDH)	LDH OPH COVID-19 Response and Contact Tracing Support	\$	1,499,999.76
Spielmann, Guillaume	Ρ	National Aeronautics & Space Administration (NASA)	Characterizing the impact of an immune countermeasures protocol on the gut-brain-immune axis during isolation	\$	549,323.00
Jin, Rongying Shelton, William Xu, Amy Cook, Robert L	P C C O	Office of Science/Department of Energy	Harnessing Single-Molecule Toroidal Moments for Qubits	\$	4,499,075.00
Reling, Timothy Barton, Michael Winchester, Elizabet	P C C	National Institute of Justice (NIJ)	Louisiana Risk of Abuse Response (LA ROAR)	\$	380,440.00
Christofferson, Rebecca	P	LSU Pennington Biomedical Research Center (PBRC)	Louisiana Clinical and Translational Science Center - TEST UP	\$	56,832.00
Krause, John Jason	Р	The Critical Mass (TCM)	Iraq Western Border Security Integration and Synchronization Initiative	\$	78,233.40
Gleason, Evanna L	Р	National Science Foundation (NSF)	Neuronal Role for a Multifunctional Transporter	\$	713,460.16
Williams, Tyrslai	Р	National Science Foundation (NSF)	Increasing Underrepresented Minorities in STEM: The 48th NOBCChE Annual Conference (Virtual)	\$	48,365.00
Meng, Xiangyu	Р	National Science Foundation (NSF)	CPS: Small: Eco-Driving of Connected and Autonomous Vehicles Approaching and Departing Signalized Intersections	\$	388,961.00
Callam, Brian Randal	Р	LA Department of Wildlife & Fisheries	The Production of Oyster Larvae and Seed for Oyster	\$	1,406,850.00
Twilley, Robert R Willson, Clinton S	O P	(LDWF) Coastal Protection and Restoration	Resource Restoration & Alternative Culture Operation of CPRA River Model	\$	983,400.00
Bethel, Matthew Byron	Ρ	Authority (CPRA) National Oceanic and Atmospheric	AKristan _2022 DEAN JOHN A. KNAUSS MARINE POLICY FELLOWSHIP	\$	84,000.00
Bethel, Matthew Byron	Ρ	Administration (NOAA) National Oceanic and Atmospheric Administration (NOAA)	RELLOWSHIP NBushra _2022 DEAN JOHN A. KNAUSS MARINE POLICY FELLOWSHIP	\$	84,000.00
Bethel, Matthew Byron	Р	Administration (NOAA) Administration (NOAA)	EGutierrez _2022 DEAN JOHN A. KNAUSS MARINE POLICY FELLOWSHIP	\$	84,000.00

Bethel, Matthew Byron	Ρ	National Oceanic and Atmospheric	LSwam _2022 DEAN JOHN A. KNAUSS MARINE POLICY FELLOWSHIP	\$ 84,000.00
Bethel, Matthew Byron	Ρ	Administration (NOAA) National Oceanic and Atmospheric	SGaines _2022 DEAN JOHN A. KNAUSS MARINE POLICY	\$ 84,000.00
Bethel, Matthew Byron	Р	Administration (NOAA) National Oceanic and Atmospheric	FELLOWSHIP JLogarbo _2022 DEAN JOHN A. KNAUSS MARINE POLICY	\$ 84,000.00
Long, Anna C	Р	Administration (NOAA) KIPP New Orleans Schools	FELLOWSHIP Kipp School Extern 2021-2023	\$ 45,484.00
Long, Anna C	Р	Advocates For Arts-Based Education	Lusher School Extern 2021-2022	\$ 22,742.00
Liu, Kam-Biu	Р	Corporation National Science Foundation (NSF)	Collaborative Research: Reconstructing the 20,000-Year	\$ 359,893.28
			Environmental and Ecological History of the Amazon Basin (REEHAB)	
McGee, Michael Conrad Huang, Weishan	P O	National Institutes of Health (NIH)	TCR and PD-1 signaling in tissue resident memory T cell development and lung immunopathology during influenza infection	\$ 86,908.00
Vinyard, David	Р	National Science Foundation (NSF)	RII Track-4:NSF: Tracking assembly intermediates of the Photosystem II oxygen-evolving complex	\$ 149,351.03
Beckers, Kalie	Ρ	National Institutes of Health (NIH)	Cardiometabolic risk assessment and manipulation of BPH/5 offspring in a sex-dependent manner	\$ 122,521.00
Stanfield, Brent	Ρ	Ximus Biosciences, LLC	The Effect of Pre-existing Immunity on the Delivery Efficacy of VLPs	\$ 3,856.88
Bohnert, Adam	Р	LSU Pennington Biomedical Research Center (PBRC)	Assessment of the longevity and healthspan promoting capabilities of Artemisia scoparia.	\$ 854,540.00
Callam, Brian Randall	Р	Columbia University	DARPA: Reefense Columbia-Stony Brook - TMS Reef	\$ 124,330.00
Daniels-Race, Theda Curry, Jennifer Harvey, Craig M Jones, Sarah Cooley Melvin. Elizabeth M	P C C C	National Science Foundation (NSF)	Preparing Resilient Individuals to Succeed in Engineering (PRISE) - A Scholarship Program Focusing on the Retention and Success of Underprepared Students in Engineering at LSU	\$ 1,499,988.00
Arges, Christopher G	P	LSU Board of Supervisors	Solution processable ionomers for resin wafers and coating technologies	\$ 62,620.00
Wu, Hsiao-Chun Ye, Jinwei	P C	National Science Foundation (NSF)	Collaborative Research: Dynamic Distributed Risk Analysis for Mobile Agents	\$ 226,000.76
Lively, Julie Ann Daigle, Melissa Saibart, Dominique	P C C	University of Florida (UF)	Reef Fish Extension for Informed Fishers and Healthier Fisheries	\$ 158,112.00
Seibert, Dominique Khonsari, Michael M	P	Mide Technology Corporation	Preliminary evaluation of tribological characteristics of torlon	\$ 10,000.00
Mariotti, Giulio Huang, Haosheng Justic, Dubravko Quirk, Tracy	P C C C	The Water Institute of the Gulf (TWIG)	Quantifying marsh edge erodibility as a function of salinity and water chemistry, and assessing possible effects of the Gulf Intracoastal Waterway in Barataria Bay (LA)	\$ 497,849.00
Veras, Richard Ramanujam, Jagannathan	P	Office of Science/Department of Energy	T^3: Testing Transforming Tensors	\$ 899,990.40
Kelly, Morgan W	P	University of Washington (UW)	REEFENSE: Team UW	\$ 703,318.00
Spielmann, Guillaume	Р	LSU Pennington Biomedical Research	Adaptive Randomization of Aerobic Exercise During	\$ 470,396.00
Liu, Kam-Biu	Ρ	Center (PBRC) National Science Foundation (NSF)	Chemotherapy in Colon Cancer Collaborative Research: Exploiting Geomagnetic Records to Describe Past and Present Ocean Variability	\$ 111,309.32
Kameshwar, Sabarethinam	Ρ	Federal Highway Administration (FHWA)	Risk and Life Cycle Analysis based Asset Management for Coastal Bridges under Hurricane and Routine Operations	\$ 244,967.00
Kameshwar, Sabarethinam	Ρ	University of Texas at San Antonio (UTSA)	Al-informed Risk-based Adaptive Decision-support Framework for Bridge Asset Management under Multi- hazard Threats	\$ 84,252.00
Quirk, Tracy	Ρ	The Water Institute of the Gulf (TWIG)	Assessing the Potential for Synergistic Effects of Nutrient Loading and Climate Warming on Belowground Marsh Processes to Enhance Predictive Models of Wetland Restoration	\$ 233,360.64
Lee, Yongcheol	Ρ	Texas A&M University	Al-Based Roadway Flooding Digital Twinning (AIR-FLOOD)	\$ 70,000.00
Givens, Joseph R	Ρ	Council For Opportunity In Education	COUNCIL FOR OPPORTUNITY IN EDUCATION/COMCAST VIRTUAL INTERNSHIP PROGRAM	\$ 5,000.00
Koottaparambil, Lije Khonsari, Michael M	P C	LSU Board of Supervisors	Development of grease condition monitoring unit (GCMU) for industrial production	\$ 60,500.00
Upton, Gregory Brian	Р	Columbia University	Considering a Federal Program to Permanently Plug and Abandon Offshore Oil and Gas Wells	\$ 20,000.00
Upton, Gregory Brian	Ρ	Columbia University	Considering a Federal Program to Permanently Plug and Abandon Offshore Oil and Gas Wells, Number 2	\$ 25,000.00

Granger, Douglas Jam Ryan, Aaron Patrick	P C	Howard University (Inc)	Launching Instruments for Future Technologists (LIFT)	\$ 171,000.00
Guzik, T Gregorv Dorman, James	O P	National Science Foundation (NSF)	RII Track-4: NSF: Inhibition of Catalytic Deactivation	\$ 155,531.88
Bharti, Bhuvnesh	Ρ	National Science Foundation (NSF)	Mechanisms during CO2 Utilization RII Track-4:NSF: Understanding the role of surface interactions in co-assembly of spherical and rod-shaped colloids	\$ 171,623.34
Shi, Jonathan Jeon, Hyun Woo	P C	US Department of Energy (DOE)	Louisiana State University-Industrial Assessment Center (LSU-IAC)	\$ 1,749,987.00
Wang, Chao Richard, Golden G II Mahmoud, Anas	C P C	LA Board of Regents (BOR)	FIREStarter - A Practical and Integrated Approach to Cyber Talent Development	\$ 185,543.00
Moreno, Juana Balasuriya, Udeni	C P	LA Department of Health (LDH)	SARS-Cov-2 testing in animals in Louisiana	\$ 34,500.00
Chen, Chen	Р	W. M. Keck Foundation	Staphylococcal protein SSL11: a new player in S. aureus colonization	\$ 1,000,000.00
Shi, Jonathan Wang, Chao	P C	US Department of Energy (DOE)	Louisiana State University-Industrial Assessment Center (LSU-IAC)	\$ 500,000.00
Lively, Julie Ann	Ρ	National Oceanic and Atmospheric Administration (NOAA)	Food from the Sea: a regional Gulf of Mexico approach	\$ 80,561.00
Zhu, Yimin Jafari, Amirhosein	P C	National Science Foundation (NSF)	Collaborative Research: Next Generation Learning-Centered Environment for Architecture, Engineering, and Construction (AEC) Education	\$ 87,986.00
Penny, Matthew	Ρ	Ohio State University (OSU)	Roman Space Telescope (RST) Science Investigation Team and Adjutant Scientists Effort	\$ 48,499.60
Lam, Siu Ngan	Ρ	The Water Institute of the Gulf (TWIG)	Modeling and Projecting Population Changes in Coastal Louisiana	\$ 289,254.00
White, John R	Р	The Water Institute of the Gulf (TWIG)	Dynamics of Nitrogen and Phosphorus Cycling Across Barataria Basin	\$ 91,798.00
Douthat, Thomas Lin, Li-Hsiang	P C	The Data Center	Flooding, migration, and economic change in coastal Louisiana	\$ 110,331.00
Soni, Anmol	Р	Georgia Institute of Technology (GA Tech)	Active learning using 3D-printed classroom activity modules to enhance learning in deformable bodies	\$ 29,863.44
Guo, Shengmin Butler, Leslie G Li, Xin Meng, Wen Jin Nikitopoulos, Dimitris	P C O O	Southern University and A & M College (SUBR)	CoE: Data Driven Discovery of Materials (D3M)	\$ 3,000,000.00
Wang, Chen	O P	LSU Board of Supervisors	Smart Gripping-hand Sensing for Enhanced Security and Safety	\$ 50,000.00
Xu, Kehui White, John R Xue, Zuo	P C C	The Water Institute of the Gulf (TWIG)	A Novel Process-Resolving Study to Improve Prediction of Marsh Edge Erosion and Bay-Marsh Sediment Exchange: Implications for Coastal Restoration	\$ 299,382.00
Tsai, Frank Tsung-Chen Voyiadjis, George Z	P C	The Water Institute of the Gulf (TWIG)	Satellite-subsurface modeling to assess delta-plain subsidence	\$ 327,660.00
Lutz, Charles Gregory	Ρ	National Oceanic and Atmospheric Administration (NOAA)	Sea Grant-NCCOS National Aquaculture Extension Coordinator	\$ 339,393.00
Hiatt, Matthew Li, Chunyan	P C	The Water Institute of the Gulf (TWIG)	Monitoring vessel-induced and wind-driven waves across gradients of anthropgenic influence in Louisiana	\$ 88,515.00
Wilson, Carol Peele, R Hampton	P C C	The Water Institute of the Gulf (TWIG)	Subsidence related to subsurface stratigraphy in diversion receiving basins	\$ 499,675.00
Xu, Kehui Jafari, Navid H	P	The Water Institute of the Gulf (TWIG)	Development of Process-Based Marsh Edge Erosion Model through Coupling of Marsh Vegetation Productivity, Soil	\$ 499,561.00
Maung-Douglass, Emily Bethel, Matthew Byron	P O	Purdue University	Leveraging a Fellowship Model to build a Framework for Emerging Contaminants Research and Extension	\$ 14,931.00
Hassan, Hany	Ρ	University of Wyoming	Sinusoidal Centerline Rumblestrip Evaluation	\$ 95,752.00
Chancellor, Jeffery	Ρ	Baylor College of Medicine (BCM)	Characterization of radiation environment during SpaceX Inspiration 4 mission	\$ 37,548.00
Verma, Lisa A	Ρ	LA Workforce Commission	Incumbent Worker Training Program - All Star Electric Inc	\$ 85,577.80
Okeil, Ayman M	Р		A National Priority- Advancing Bridge Engineering Education and Practice	\$ 70,460.61
Ozdemir, Celalettin Jafari, Navid H	P C	The Water Institute of the Gulf (TWIG)	Improving the Design and Construction Practice of Marsh Creation Projects	\$ 95,760.00
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Sanders, Meghan Shara	Ρ	Association for Education in Journalism and Mass Communicati	Entertainment Media and Social Justice: Exploring the Cognitive Mechanisms Associated with Socially Conscious Entertainment	\$ 8,435.00
Terrell, Milton D	Ρ	Delta Regional Authority	Gulf IntraCoastal Waterway Economic Impact Assessment	\$ 98,035.20
Maccio, Elaine	Ρ	Calvin K. Kazanjian Economics Foundation, Inc.	Financial Literacy Boot Camp for Louisiana Social Workers - 2021	\$ 3,800.00
Total				\$ 33,243,846

#### Awards Budgeted by SPA

Award ID	Principal Investigator Co- PI(s)	Туре	Award Name	Agency	New		Cor	ntinuing	<u>Tota</u>	1
AWD-000071	Robbins, Kevin Douglas	Ρ	LSUAM   Operations of the Southern Regional Climate Center	US Department of Commerce-NOAA   07	\$	76,447.00	\$	-	\$	76,447.00
AWD-000549	O'Brien, David Borue	Ρ	LSUAM   Louisiana Notary Exam	Office of the Secretary of State of Louisiana	\$	-	\$	68,085.00	\$	68,085.00
AWD-000853	Givens, Stephanie	Ρ	LSUAM   FY 2017 Application for Grants Under the Upward Bound Program - Tara High School	US Department of Education	\$	-	\$	297,597.00	\$	297,597.00
AWD-000857	Givens, Stephanie	Ρ	LSUAM   FY 2017 Application for Grants Under the Upward Bound Program - Woodlawn High School	US Department of Education	\$	-	\$	297,597.00	\$	297,597.00
AWD-000999	Givens, Joseph R	Ρ	LSUAM   LSU Ronald E. McNair Scholars Program	US Department of Education	\$	-	\$	321,407.00	\$	321,407.00
AWD-001131	Li, Guoqiang Warner, Isiah M	P C	LSUAM   CREST Center for Next Generation Multifunctional Composites (NextGen Composites Phase II)	Southern University   05	\$	-	\$	320,000.00	\$	320,000.00
AWD-001148	Peele, R Hampton	Ρ	LSUAM   National Hydrology Data for the Louisiana Department of Environmental Quality (LDEQ)	LA Dept of Environmental Quality   01	\$	-	\$	(20,000.00)	\$	(20,000.00)
AWD-001194	Cardin, Rhonda Diane Feng, Jiming Strain, George M	P C C	LSUAM   Mouse and Guinea Pig Models for Cytomegalovirus and Herpes Simplex Viruses	Cincinnati Children's Hospital Medical Center	\$	-	\$	126,306.00	\$	126,306.00
AWD-001350	Bethel, Matthew Byron Caffey, Rex Hall Deng, Zhiqiang Friedland, Carol Jean Hiatt, Matthew Hou, Aixin Kron, Roy E III Lindstedt, Dianne Marie Midway, Stephen R Twilley, Robert R Wilkins, James Gillespie Bargu Ates, Sibel Bethel, Matthew Byron Daigle, Melissa Trosclair Hawke, John Phillip Lea, Kathryn Elizabeth Lee, Yongcheol Pace, Niki LeAnnette Rohli. Robert V	P P P P P P P P C C C C C C C C C C	LSUAM   Louisiana Sea Grant Omnibus Proposal 2018-2022	US Department of Commerce-NOAA   05	Ş		\$	1,502,893.00	\$	1,502,893.00
AWD-001721	Kartika, Rendy Gregory	Ρ	LSUAM   New Synthetic Chemistries Enabled by Oxyallyl and 2-Aminoallyl Cations	NIH-National Institute of General Medical Sciences (NIGMS)	\$	-	\$	281,524.00	\$	281,524.00
AWD-002018	Cardin, Rhonda Diane	Ρ	LSUAM   Biomedical Research Experience for Veterinary Students	NIH-Office of the Director	\$	-	\$	64,878.00	\$	64,878.00
AWD-002169	Singh, Parampreet	Ρ	LSUAM   DFG-NSF: Investigations on Physical Implications of Canonical Quantum Gravity	National Science Foundation (NSF)	\$	-	\$	50,000.00	\$	50,000.00
AWD-002287	Guzik, T Gregory Fava, Colleen Helen	P C	LSUAM   Scientific and Technical Management for the New Development for Louisiana Aerospace Research FY19 RID Project	LA Board of Regents   02	\$	-	\$	40,000.00	\$	40,000.00
AWD-002686	Huang, Weishan	Ρ	LSUAM   Signaling Regulation of Immune Homeostasis	MegaRobo Technologies Co.	\$	71,218.00	\$	-	\$	71,218.00
AWD-002731	Guzik, T Gregory Cherry, Michael L Kawakubo, Yuta Wefel, John P	P C C C	LSUAM   CALET: Extended Mission and Flight Data Analysis	NASA-Goddard Space Flight Center   03	\$	-	\$	380,000.00	\$	380,000.00

AWD-002782	Cormier, Stephania A Cook, Robert L Dugas, Tammy Renee Khachatryan, Lavrent Lomnicki, Slawomir Noel, Alexandra Penn, Arthur L Reams, Margaret Anne Sprunger, Phillip Irving, Jennifer Kay	P C C C C C C C A	LSUAM   LSU Superfund Research Center Environmentally Persistent Free Radicals		\$ -	\$ 2,150,533.00	\$ 2,150,533.00
AWD-002831	Xue, Zuo	Ρ	LSUAM   Assess Hydrological and Sediment's Response to Hurricane Florence (2018) at the Land-Ocean Interaction Zone	US Department of Interior-USGS   04	\$ -	\$ 99,937.00	\$ 99,937.00
AWD-002964	Wylie, Kathleen Bardy	Ρ	LSUAM   Cooperative Agreement between LSU and the US Office of Personnel Management, Office of Inspector General (OPM OIG) to establish a Hotline Call Center	US Department of the Office of Personnel Management - Office of Inspector General (OPM OIG)	\$ 92,122.00	\$ -	\$ 92,122.00
AWD-003078	Bentley, Samuel J Sr	Ρ	LSUAM   Advanced multi-scale microscopic imaging, measurement, and research for the LSU-Defense Partnership	US Army - Army Contracting Command - APG - RTP   04	\$ 15,000.00	\$ -	\$ 15,000.00
AWD-003352	Shrum, Wesley Monroe Jr	Ρ	LSUAM   RAPID International Type I: Assessing Adaptive Responses During COVID-19 Research Collaboration: A	National Science Foundation (NSF)	\$ 198,138.00	\$ -	\$ 198,138.00
AWD-003373	Sharma, Jyotsna	Ρ	LSUAM   Quantum-Enhanced Fiber Optic Sensing for Oil and Gas Applications	University of Oklahoma   03	\$ 100,341.00	\$ -	\$ 100,341.00
AWD-003413	Wolfson, Wendy	Ρ	LSUAM   Lafourche Parish Animal Shelter 2021	Lafourche Parish Government	\$ 1,240.00	\$ -	\$ 1,240.00
AWD-003479	Li, Guoqiang Williams, Tyrslai Menyaee'	P C	LSUAM   REU Site: Smart Polymer Composite Materials and Structures	National Science Foundation (NSF)	\$ 312,000.00	\$ -	\$ 312,000.00
AWD-003498	DiCarlo, Cynthia F Jenkins, Charlene	P C	LSUAM   LSU Early Childhood Ancillary Certificate	Northwestern State University   05	\$ 32,980.00	\$	\$ 32,980.00
AWD-003513	Dassanayake, Maheshi	Ρ	LSUAM   Exploring Plant-Microbe Interactions in Phragmites for Potential Control Strategies	Tulane University   18	\$ 40,000.00	\$ -	\$ 40,000.00
AWD-003519	Dismukes, David E	Ρ	LSUAM   Updated Louisiana Greenhouse Gas Inventory and Emissions Analysis for the Governors Office on Coastal Activities	LA Office of the Governor- Coastal Activities (GOCA)	\$ 65,830.00	\$ -	\$ 65,830.00
AWD-003520	Chancellor, Jeffery	Ρ	LSUAM   Develop a novel single-cell biodosimetry for brain genomic instability and neurodegeneration to predict clinical health outcomes in human spaceflight crews	LSU Health Sciences Center-Shreveport   03	\$ 8,350.00	\$ 78,752.00	\$ 87,102.00
AWD-003521	Burns, Eric	Ρ	LSUAM   Single Source - Time-domain Astrophysics Coordination Hub (TACH) Reporting System Upgrade	NASA-Goddard Space Flight Center   03	\$ 58,744.00	\$ -	\$ 58,744.00
AWD-003522	Cormier, Stephania A Christofferson, Rebecca Catherine Vu, Luan	P C C	LSUAM   Targeting the viral and human host factors governing COVID19 disease to inform individual population biomarkers of immunity and therapeutic development	Merck Sharp & Dohme Corp.   04	\$ 308,263.00	\$ -	\$ 308,263.00
AWD-003524	Rhodes, Judith Lee Long, Anna C	P C	LSUAM   Louisiana PERIScope Program	LA Dept of Education   28	\$ 403,529.00	\$ -	\$ 403,529.00
AWD-003525	Chancellor, Jeffery	Ρ	LSUAM   Using Human Stem-Cell Derived Vascular, Neural and Cardiac 3D Tissues ro Determine Countermeasures for Radiation/RAD0102	Baylor College of Medicine   01	\$ 16,863.00	\$ -	\$ 16,863.00
AWD-003528	Neubrander, Frank M	Ρ	LSUAM   Cooperative Endeavor Agreement (CEA) with Board of Regents (BOR)	LA Board of Regents   13	\$ 100,000.00	\$ -	\$ 100,000.00
AWD-003530	DiCarlo, Cynthia F	Ρ	LSUAM   EBR COVID Community Child Care Recovery Grant	East Baton Rouge Parish School System   10	\$ 4,500.00	\$ -	\$ 4,500.00

AWD-003531	Irving, Brian A	Ρ	LSUAM   The Effect of Altered Nitric Oxide Bioavailability on the Interaction of Obesity and Alzheimer's Disease	Pennington Biomedical Research Center   02	\$ 5,500.00	\$ -	\$ 5,500.00
AWD-003536	Kaiser, Hartmut	Ρ	LSUAM   Infrastructure Development for Analyzing Resilience with Asynchronous Many Task (AMT) Programming Models	Sandia National Labs (aka NTESS)	\$ 25,000.00	\$ 50,000.00	\$ 75,000.00
AWD-003544	Serrano, Nicholas Birch, Traci Palagi, Kristopher Bergeron, Mary Ellard Willson, Clinton S	P C C A A	LSUAM   Baton Roots Art Park (National Endowment of the Arts "Our Town" Grant)	The Walls Project	\$ 50,000.00	\$ -	\$ 50,000.00
AWD-003546	Krause, John Jason	Р	LSUAM   Iraq Western Border Security Integration and Synchronization Initiative	The Critical Mass LLC	\$ 78,232.00	\$ -	\$ 78,232.00
AWD-003547	Robison, Samuel Berwyn Cupit, Leanna Little, Kristina	P C C	LSUAM   Louisiana Emergency Grants to Address Mental and Substance Use Disorders During COVID-19	LA Dept of Health & Hospitals-Office of Behavioral Health   08	\$ 202,200.00	\$	\$ 202,200.00
AWD-003548	Guzik, T Gregory Granger, Douglas James	P C	LSUAM   Planning and Development for the larger National Eclipse Ballooning Project	Montana State University   01	\$ 39,780.00	\$	\$ 39,780.00
AWD-003549	Mitchell, Brant Dylan	Ρ	LSUAM   LANG/LMD TO 02-2021 - Building Automation	Louisiana Military Department (LMD)	\$ 150,000.00	\$ -	\$ 150,000.00
AWD-003550	White, John R	Ρ	LSUAM   Utilizing Upper Diversions in River Water Management Case Study: 2019 Mississippi River	Tulane University   19	\$ 8,786.00	\$	\$ 8,786.00
AWD-003552	DiCarlo, Cynthia F	Ρ	LSUAM   Ready Start Teacher Stipend	East Baton Rouge Parish School System   10	\$ 2,150.00	\$ -	\$ 2,150.00
AWD-003553	Elgrishi, Noemie	Ρ	LSUAM   CAREER: CAS: Confined Nano- Environments for the Stabilization of Molecular Electrocatalysts	National Science Foundation (NSF)	\$ 409,800.00	\$ -	\$ 409,800.00
AWD-003555	Noel, Alexandra	Ρ	LSUAM   PRIDE Academy: Impact of Ancestry and Gender on omics of lung diseases	University of Colorado at Denver   01	\$ 7,268.00	\$	\$ 7,268.00
AWD-003556	Kousoulas, Konstantin G Chouljenko, Vladimir N Haque, Muzammel Subramanian, Ramesh	P C C C	LSUAM   BAC Cloning into VZV Genome	Protheragen, Inc.	\$ 50,000.00	\$ -	\$ 50,000.00
AWD-003558	Holstein, Daniel	Ρ	LSUAM   Extending biophysical simulations of larval and disease connectivity and SCTLD spread to inform mitigation and restoration	State of Florida Department of Environmental Protection   01	\$ 47,195.00	\$ -	\$ 47,195.00
AWD-003563	DiCarlo, Cynthia F	Ρ	LSUAM   Louisiana Child Care Assistance Provider (LaCAP) Grant Round Five	LA Dept of Education	\$ 57,600.00	\$ -	\$ 57,600.00
AWD-003566	Khonsari, Michael M	Ρ	LSUAM   Preliminary Evaluation of Tribological Characteristics of Torlon	Mide Technology Corporation   01	\$ 10,000.00	\$ -	\$ 10,000.00
AWDC-000562	Blackmon, Jeffery C Jr	Ρ	LSUAM   Dr. Wayne Newhauser as Chief of Medical Physics at MBPCC	Mary Bird Perkins Cancer Center	\$ -	\$ 22,089.00	\$ 22,089.00
AWDC-000642	Matthews, Bobby Lynn	Ρ	LSUAM   Pre-Assessment Notary Test	Office of the Secretary of State of Louisiana	\$ -	\$ 6,360.00	\$ 6,360.00
AWDC-000682	Thompson, Karsten E Waltrich, Paulo Williams, Wesley C	P C C	LSUAM   Valve Performance Clearinghouse (VPC) Consortium	Valve Performance Clearing (VPC) Consortium	\$ -	\$ 15,000.00	\$ 15,000.00
Grand Total					\$ 3,049,076	\$ 6,152,958	\$ 9,202,023

# Comparison of Proposal Data for past 3 years

### April 2021

	Cumulative as	of April 2019	Cumulative as o	of April 2020	Cumulative as of April 2021			
	Proposals	Funds	Proposals	Funds	Proposals	Funds		
Colleges	Submitted	Requested	Submitted	Requested	Submitted	Requested		
Academic Services	1.90 \$	113,466.88	3.20 \$	157,586.00	2.20 \$	69,538		
Administrative	27.27 \$	4,848,571.38	7.60 \$	22,136,017.00	1.12 \$	85,949		
Athletic Department	1.70 \$	8,587.50	0.00 \$	-	2.00 \$	140,000		
Auxiliaries	0.00 \$	-	0.00 \$	-	0.00 \$	-		
Center for Computation and Technology	0.25 \$	69,009.00	3.10 \$	871,489.00	5.30 \$	1,100,227		
Center for Energy Studies	6.30 \$	752,350.35	9.00 \$	1,092,959.00	3.70 \$	1,022,959		
Centers and Institutes	15.18 \$	3,803,235.00	4.59 \$	1,634,434.00	14.52 \$	2,908,544		
College of Agriculture	9.47 \$	1,893,936.98	7.09 \$	2,818,556.00	15.46 \$	1,962,555		
College of Art and Design	9.90 \$	1,129,856.20	21.29 \$	3,193,481.00	6.82 \$	2,949,269		
College of Business	15.45 \$	2,455,935.20	13.45 \$	4,249,392.00	18.20 \$	4,157,484		
College of Engineering	294.89 \$	144,553,406.68	351.78 \$	109,792,674.00	306.95 \$	172,603,066		
College of Human Sciences and Education	72.55 \$	26,569,130.80	64.50 \$	31,038,152.00	63.78 \$	19,266,680		
College of Humanities and Social Sciences	100.89 \$	15,558,811.79	95.81 \$	18,066,870.00	80.75 \$	17,499,595		
College of Music and Dramatic Arts	3.45 \$	521,876.00	3.70 \$	164,638.00	6.50 \$	741,129		
College of Science	264.14 \$	113,828,718.82	272.44 \$	99,435,174.00	232.43 \$	89,347,267		
College of the Coast and Environment	96.38 \$	55,551,213.48	107.17 \$	55,271,048.00	107.16 \$	33,991,268		
Continuing Education	6.00 \$	1,108,784.90	2.72 \$	1,866,067.00	5.00 \$	1,031,532		
Facility and Property Oversight	1.00 \$	8,000.00	0.00		0.00 \$	-		
Graduate School	1.90 \$	708,500.00	1.90 \$	495,000.00	0.90 \$	121,500		
Information Technology Services	0.00 \$	-	0.50 \$	199,380.00	1.00 \$	2,054,591		
Libraries	2.00 \$	43,844.00	2.00 \$	53,285.00	1.30 \$	3,100		
Louisiana Sea Grant	32.32 \$	2,919,143.46	79.05 \$	5,369,912.00	27.80 \$	10,384,506		
LSU Online	0.00 \$	-	0.28 \$	291,536.00	0.00 \$	-		
Museums	0.00 \$	-	0.10 \$	10,000.00	0.00 \$	-		
Paul M. Hebert Law Center	0.00 \$	-	1.00 \$	1,148.00	2.00 \$	809,598		
School of Mass Communication	4.21 \$	739,892.41	14.62 \$	841,463.00	8.45 \$	567,455		
School of Veterinary Medicine	117.30 \$	76,293,573.40	100.75 \$	49,555,828.00	106.80 \$	53,638,208		
SNCSRT	36.30 \$	36,990,677.00	37.80 \$	8,367,019.00	34.95 \$	15,477,261		
Student Services	2.15 \$	166,500.00	0.00		0.00 \$	-		
University College	3.00 \$	673,043.00	4.00 \$	1,338,702.00	3.00 \$	331,407		
VP Research and Economic Development	3.40 \$	309,489.10	2.45 \$	2,678,858.00	4.17 \$	1,254,166		
VP Strategic Initiatives	6.73 \$	1,780,518.18	3.11 \$	2,367,463.00	3.75 \$	364,278		
Total as of April	1136.00 \$	493,400,072	1215.00 \$	423,358,131	1066.00 \$	433,883,130		
Total of Fiscal Year	1342.00 \$	611,052,234	1441.00 \$	527,677,215				

# Comparison of Award Data for past 3 years

### April 2021

		Cu	tive as of April or - Continuing	2019			Cum	ative as of April or - Continuing	202	20		Cur	ative as of April 20 pr - Continuing	021	
College	Ар	or - New (2019)	(2019)	Apr	- Total (2019)	Ap	r - New (2020)	(2020)	Ap	or - Total (2020)	A	pr - New (2021)	(2021)	Арі	r - Total (2021)
Academic Services	\$	1,050,534.00	\$ 163,990.00	\$	1,214,524.00	\$	463,945.00	\$ (76,402.00)	\$	387,543.00	\$	137,777.00	\$ 140,560.00	\$	278,337.00
Administrative	\$	3,000.00	\$ 1,857,930.00	\$	1,860,930.00	\$	2,250.00	\$ 2,114,013.00	\$	2,116,263.00	\$	149,729.00	\$ 5,250.00	\$	154,979.00
Athletics	\$	8,588.00	\$ -	\$	8,588.00	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-
Auxiliaries	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-
Center for Computation and Technology	\$	69,009.00	\$ 74,911.00	\$	143,920.00	\$	49,406.00	\$ 74,913.00	\$	124,319.00	\$	432,132.00	\$ 74,229.00	\$	506,361.00
Center for Energy Studies	\$	556,737.00	\$ 29,698.00	\$	586,435.00	\$	211,247.00	\$ -	\$	211,247.00	\$	93,062.00	\$ -	\$	93,062.00
Centers and Institutes	\$	1,178,257.00	\$ 949,452.00	\$	2,127,709.00	\$	2,031,895.00	\$ 1,806,061.00	\$	3,837,956.00	\$	1,338,723.00	\$ (2,000.00)	\$	1,336,723.00
College of Agriculture	\$	31,500.00	\$ 5,689.00	\$	37,189.00	\$	100,635.00	\$ 35,489.00	\$	136,124.00	\$	279,580.00	\$ 35,262.00	\$	314,842.00
College of Art and Design	\$	(288,906.00)	\$ -	\$	(288,906.00)	\$	127,200.00	\$ 55,804.00	\$	183,004.00	\$	108,137.00	\$ (5,600.00)	\$	102,537.00
College of Business	\$	458,916.00	\$ 98,981.00	\$	557,897.00	\$	6,243,048.00	\$ 8,833.00	\$	6,251,881.00	\$	2,246,891.00	\$ 3,727,750.00	\$	5,974,641.00
College of Engineering	\$	27,376,775.00	\$ 7,255,796.00	\$	34,632,571.00	\$	8,891,641.00	\$ 10,036,078.00	\$	18,927,719.00	\$	18,809,383.00	\$ 2,959,866.00	\$	21,769,249.00
College of Human Sciences and Education	\$	1,604,613.00	\$ 849,765.00	\$	2,454,378.00	\$	4,334,585.00	\$ 1,660,508.00	\$	5,995,093.00	\$	3,890,948.00	\$ 2,104,810.00	\$	5,995,758.00
College of Humanities and Social Sciences	\$	2,164,847.00	\$ 1,033,799.00	\$	3,198,646.00	\$	1,615,363.00	\$ 1,340,992.00	\$	2,956,355.00	\$	1,722,481.00	\$ 1,202,846.00	\$	2,925,327.00
College of Music and Dramatic Arts	\$	69,999.00	\$ 32,000.00	\$	101,999.00	\$	186,811.00	\$ 24,800.00	\$	211,611.00	\$	36,889.00	\$ -	\$	36,889.00
College of Science	\$	12,608,424.00	\$ 9,719,042.00	\$	22,327,466.00	\$	17,601,226.00	\$ 10,076,154.00	\$	27,677,380.00	\$	19,137,746.00	\$ 9,929,317.00	\$	29,067,063.00
College of the Coast and Environment	\$	607,627.00	\$ 3,378,134.00	\$	3,985,761.00	\$	2,718,363.00	\$ 470,090.00	\$	3,188,453.00	\$	5,539,585.00	\$ 1,349,638.00	\$	6,889,223.00
Continuing Education	\$	1,963,835.00	\$ 250,000.00	\$	2,213,835.00	\$	1,287,141.00	\$ 250,000.00	\$	1,537,141.00	\$	70,000.00	\$ 300,000.00	\$	370,000.00
Facility and Property Oversight	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-
Graduate School	\$	54,000.00	\$ 756,000.00	\$	810,000.00	\$	40,500.00	\$ 555,167.00	\$	595,667.00	\$	27,000.00	\$ 88,167.00	\$	115,167.00
Information Technology Services	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-	\$	2,253,971.00	\$ -	\$	2,253,971.00
Libraries	\$	2,160.00	\$ -	\$	2,160.00	\$	29,787.00	\$ -	\$	29,787.00	\$	-	\$ -	\$	-
Louisiana Sea Grant	\$	1,820,032.00	\$ 526,634.00	\$	2,346,666.00	\$	1,226,464.00	\$ 836,218.00	\$	2,062,682.00	\$	1,605,919.00	\$ 1,265,075.00	\$	2,870,994.00
LSU Online											\$	-	\$ 699,999.00	\$	699,999.00
Museums	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-
Paul M. Hebert Law Center	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-
School of Mass Communication	\$	30,240.00	\$ 189,004.00	\$	219,244.00	\$	40,233.00	\$ 11,220.00	\$	51,453.00	\$	208,772.00	\$ 181,900.00	\$	390,672.00
School of Veterinary Medicine	\$	3,295,127.00	\$ 2,873,133.00	\$	6,168,260.00	\$	7,668,805.00	\$ 3,011,708.00	\$	10,680,513.00	\$	7,044,420.00	\$ 2,538,008.00	\$	9,582,428.00
SNCSRT	\$	29,353,564.00	\$ 7,143,042.00	\$	36,496,606.00	\$	31,262,342.00	\$ 2,472,624.00	\$	33,734,966.00	\$	34,099,829.00	\$ 2,697,000.00	\$	36,796,829.00
Student Services	\$	21,375.00	\$ -	\$	21,375.00	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-
University College	\$	-	\$ 668,043.00	\$	668,043.00	\$	-	\$ 698,104.00	\$	698,104.00	\$	401,131.00	\$ 326,407.00	\$	727,538.00
VP Research and Economic Development	\$	132,705.00	\$ -	\$	132,705.00	\$	-	\$ -	\$	-	\$	1,120,000.00	\$ 41,999.00	\$	1,161,999.00
VP Strategic Initiatives	\$	235,898.00	\$ 588,551.00	\$	824,449.00	\$	5,000.00	\$ 987,667.00	\$	992,667.00	\$	234,000.00	\$ 957,618.00	\$	1,191,618.00
Total as of April	\$	84,408,856.00	\$ 38,443,594.00	\$	122,852,450.00	\$	86,137,887.00	\$ 36,450,041.00	\$	122,587,928.00	\$	100,988,105.00	\$ 30,618,101.00	\$	131,606,206.00
Total Count as of April		413	209		622		391	199		590		406	217		623
Total of Fiscal Year			\$150,299,926					\$145,010,976					\$0		

## Comparison of Expenditure Data for past 3 years

First Level Cost Center Hierarchy	Apr-2019	FY 2019	Apr-2020	FY 2020	Apr-2021
Athletics	\$ 5,000	\$ 5,000	\$ -	\$ -	\$
Assoc VP Administration and IT/CIO	\$ -	\$ -	\$ -	\$ -	\$
Center for Academic Success	\$ 139,609	\$ -	\$ 143,528	\$ 156,278	\$ 100,728
Center for Computation and Technology	\$ 2,100,482	\$ 2,248,123	\$ 1,911,970	\$ 2,446,090	\$ 1,436,201
Center for Energy Studies	\$ 201,820	\$ 484,846	\$ 138,206	\$ 288,262	\$ 121,451
Centers and Institutes	\$ 1,657,302	\$ 1,880,332	\$ 1,734,023	\$ 2,099,035	\$ 3,700,132
College of Agriculture	\$ 282,672	\$ 415,554	\$ 210,655	\$ 235,843	\$ 182,672
College of Art and Design	\$ 35,661	\$ 37,346	\$ 4,889	\$ 19,321	\$ 33,237
College of Business	\$ 3,358,390	\$ 4,071,448	\$ 3,670,336	\$ 4,560,850	\$ 3,509,183
College of Engineering	\$ 19,474,144	\$ 24,616,113	\$ 17,814,190	\$ 22,500,895	\$ 18,495,123
College of Human Sciences and Education	\$ 1,797,440	\$ 2,783,420	\$ 3,168,400	\$ 3,976,184	\$ 2,824,442
College of Humanities and Social Sciences	\$ 2,958,814	\$ 3,786,509	\$ 2,399,219	\$ 3,030,583	\$ 1,905,735
College of Music and Dramatic Arts	\$ 29,203	\$ 83,726	\$ 57,527	\$ 62,531	\$ 22,427
College of Science	\$ 18,973,242	\$ 24,816,747	\$ 18,479,632	\$ 24,211,177	\$ 19,302,428
College of the Coast and Environment	\$ 5,511,907	\$ 6,908,906	\$ 5,723,784	\$ 7,360,480	\$ 4,218,894
Continuing Education	\$ 1,569,187	\$ 2,116,247	\$ 1,191,185	\$ 921,694	\$ 951,514
Dean of Students	\$ -	\$ -	\$ -	\$ -	\$
Executive VP and Provost	\$ -	\$ -	\$ -	\$ -	\$
Facility and Property Oversight	\$ -	\$ -	\$ -	\$ -	\$
Graduate School	\$ 629,921	\$ 720,879	\$ 570,855	\$ 664,466	\$ 559,450
Human Resource Management	\$ (102)	\$ (102)	\$ -	\$ -	\$
Information Technology Services	\$ 1,560,375	\$ 1,868,326	\$ 2,550,083	\$ 3,149,313	\$ 1,849,759
International Programs	\$ 25,280	\$ 58,646	\$ 54,627	\$ 64,774	\$ 122
LSU Online	\$ -	\$ -	\$ 155,160	\$ 155,160	\$ 729,211
LSU Police	\$ 712	\$ 712	\$ -	\$ -	\$ 5,134
Libraries	\$ 11,696	\$ 14,755	\$ 52,175	\$ 52,175	\$ 4,131
Louisiana Sea Grant	\$ 2,717,721	\$ 3,305,936	\$ 2,435,002	\$ 3,046,795	\$ 2,595,186
NCBRT	\$ 20,141,060	\$ -	\$ 21,966,892	\$ 23,734,890	\$ 8,972,527
Paul M. Hebert Law Center	\$ -	\$ -	\$ (21)	\$ (21)	\$
SNCSRT	\$ 8,433,988	\$ 36,144,375	\$ 7,464,433	\$ 9,927,297	\$ 8,716,785
School of Mass Communication	\$ 411,863	\$ 438,895	\$ 292,220	\$ 329,605	\$ 480,726
School of Veterinary Medicine	\$ 9,003,038	\$ 13,357,789	\$ 10,087,134	\$ 12,043,385	\$ 10,951,308
Senior VProvost Academic Affairs	\$ -	\$ -	\$ -	\$ -	\$ 127,777
Student Health Center	\$ 30,411	\$ 33,973	\$ 2,559	\$ 907	\$ (2,706
University College	\$ 561,022	\$ 687,492	\$ 574,430	\$ 693,222	\$ 554,221
VP Research and Economic Development	\$ 88,688	\$ 155,327	\$ 19,362	\$ 255,949	\$ 108,104
VP Strategic Initiatives	\$ 881,753	\$ 1,174,082	\$ 1,173,919	\$ 1,526,424	668,005
VP Student Affairs	\$ -	\$ -	\$ 30,007	\$ 33,862	\$ 21,050
VProvost Academic Programs and Support Services	\$ 910,988	\$ 1,369,785	\$ 404,880	\$ 782,515	\$ 219,263

Report Footnote: Expenditure numbers are based off of the cost center charged at time the report is generated.