

San Diego State University
Research Foundation



Annual Report
Fiscal Year 2017-18

Cover photo:

SDSU Research Foundation staff gather to celebrate 75 years of service to SDSU

Credit: Kingsley Ramos

SDSU Research Foundation

Annual Report

Fiscal Year 2017-18

TABLE OF CONTENTS

Introduction.....1

I. Board of Directors and Management.....1

II. Highlights.....8

Fiscal Stability.....8

Research Support.....9

Enhanced Service Initiatives.....12

University Partnerships/Collaborations.....13

Facilities.....19

III. By the Numbers (volume indicators/charts and graphs).....23

IV. Federal Budget Update.....35

V. Staff Activities and Events37

**SDSU Research Foundation
Annual Report
Fiscal Year 2017-18**

INTRODUCTION

The SDSU Research Foundation management team is pleased to present this report highlighting fiscal year 2017-18 activities and accomplishments.

First, our congratulations go to the SDSU faculty and staff who received 756 awards and \$135 million to support their research last year – a slight increase over the \$134.2 million received in the previous year. Their continued success in a challenging federal budget environment is impressive. We are proud to support their work.

This report is organized into these sections:

- I. Board of Directors and Management
- II. Highlights
- III. By the Numbers (volume indicators/charts and graphs)
- IV. Federal Budget Update
- V. Staff Activities and Events

I. Board of Directors and Management

Incorporated in 1943, SDSU Research Foundation is an auxiliary organization of San Diego State University. Authorized by California’s Education Code and governed by a board composed of SDSU administration, faculty, a student representative and community members, the research foundation exists to serve and support SDSU.

The management team guides the organization and is led by associate vice president/executive director Michèle Goetz, two associate executive directors of finance and operations (Leslie Levinson) and information systems (Rachel Raynoha), and a human resources director (Deb Naylor). The team works closely with SDSU’s vice president for business and financial affairs and vice president for research to set policies, manage resources and guide the efforts of a dedicated staff who seek to facilitate the work of SDSU researchers.



The Senior Management Team

From left: Rachel Raynoha (Associate Executive Director for Information Systems), Michèle Goetz (Associate Vice President/Executive Director), Leslie Levinson (Chief Financial Officer/Associate Executive Director for Finance & Operations) and Deb Naylor (Director of Human Resources)

Board of Directors

The principal function of the board is to establish policies and to guide the research foundation in achieving its objectives. SDSU's president serves as president of the board and is responsible for ensuring that research foundation policies and functions conform to the policies of The California State University board of trustees and San Diego State University.

Board composition

Five ex-officio directors: the President, the Provost, the VP for Research, the VP for Business & Financial Affairs, and the Associated Students President; four SDSU faculty members recommended by the University Senate and elected for four-year terms; and eight individuals, five of whom are "public" members from the community, nominated by the president and elected for three-year terms.

The FY 2017-18 board was composed of these members: five ex-officio, seven faculty, and five community directors. President Adela de la Torre joined SDSU on June 28, 2018 and serves as President of the SDSU Research Foundation board of directors.

FY 2017-18 Board of Directors

Ms. Sally Roush

PRESIDENT

President, SDSU

Dr. Stephen Welter

VICE PRESIDENT

Vice President for Research and
Dean of Graduate Affairs, SDSU

Mr. Tom McCarron

TREASURER

Vice President for Business and Financial
Affairs and CFO, SDSU

Dr. Karen Emmorey

SECRETARY

Professor of Speech, Language and
Hearing Sciences, SDSU

Dr. Guadalupe X. Ayala

Professor, School of Public Health,
SDSU

Dr. Kim Barrett

Distinguished Professor of Medicine
University of California, San Diego

Mr. William Brack

Retired, Self-Employed Financial Consultant

Ms. Paula Brock

Chief Financial Officer
Zoological Society of San Diego

Ms. Vickie Capps

Certified Public Accountant

Mr. Chimezie Ebiriekwe

President, Associated Students

Dr. Chukuka S. Enwemeka*

Provost and Senior Vice President for
Academic Affairs, SDSU

Dr. Craig Hauser

Vice President for Scientific Resources
Sanford Burnham Prebys Medical Discovery
Institute

Dr. Samuel Kassegne

Professor of Mechanical Engineering, SDSU

Dr. Randolph Philipp

Professor of Mathematics Education, School
of Teacher Education and Center for
Research in Math and Science Education
(CRMSE), SDSU

Dr. Jennifer Thomas

Professor of Psychology, SDSU

Dr. Ming-Hsiang Tsou

Professor of Geography, SDSU

Dr. Robert Zeller

Professor of Biology, SDSU

*served until May 2018

Board Updates

Board members participate in various ways including reviewing policies and serving on the audit, and finance and investment committees; reviewing and approving the annual budget and the mid-year update; ensuring proper financial controls are in place; authorizing the selection of the independent audit firm; ensuring investment policies are followed; and ensuring compliance with laws and regulations. One of the ways we provide firsthand knowledge of the important research we support is by including PI presentations at our board meetings. Last year, the following researchers shared their work with our board:

Psychologist Dr. Inna Fishman presented at the September 2017 meeting. Dr. Fishman’s presentation, entitled “What can Brain Imaging Reveal about Autism and other Developmental Disorders?” focused on Autism Spectrum Disorder (ASD), and identifying the early signs and prevalence of ASD.



Dr. Inna Fishman presents to the board

At the March 2018 meeting, Dr. Aaron Elkins, assistant professor in SDSU’s Fowler College of Business presented on his Automated Virtual Agent for Truth Assessments in Real Time (AVATAR), a kiosk-based automated screening system with integrated behavior sensors that conducts interviews using an AI-embodied conversational agent.



Dr. Aaron Elkins with his kiosk-screening system

May’s meeting was the last meeting of the fiscal year and included guest speaker, Ms. Laura Shinn, SDSU’s Director of Planning, Design and Construction. Ms. Shinn presented on the SDSU Mission Valley site plan. Resolutions of appreciation were presented to President Sally Roush, AS President Chimezie Ebiriekwe, and retiring board member Paula Brock.



Rendering of the SDSU Mission Valley site

Board member Jennifer Thomas received a prestigious NIH award.

Psychology professor Jennifer Thomas was awarded a “Method to Extend Research in Time” award to continue her research on how choline affects development of the alcohol-exposed brain. These NIH awards are made to productive researchers whose work NIH has deemed “distinctly superior”; they guarantee funding for several additional years, allowing researchers to explore new research paths.



Jennifer Thomas discusses areas in the brain that may be targeted by the nutrient choline with undergraduate student Jacob Lopez.

Management Updates



Deb Naylor, Director of Human Resources

After a nationwide search, we found our human resources director right next door at SDSU. Deb Naylor has more than 18 years of human resources experience, including extensive experience with both SDSU and SDSU Research Foundation. Her in-depth knowledge of federal/state/local/CSU/SDSU laws, regulations and policies as well as her employee and labor relations experience, are already serving us well.



Otto Delacruz, Senior Facilities Manager

A senior facilities manager was hired to oversee building operations and systems, energy management, risk management and capital projects for research foundation-owned properties. Otto Delacruz joined the team in February 2018 and brings many years of experience in facilities management and emergency preparedness. A Navy veteran, Otto also oversees the department's administrative staff and maintenance crew.



Lizette Najera, Executive Assistant

Lizette Najera joined the executive office after the retirement of our long-time executive office assistant. An SDSU alumna, Lizette has spent the last 20 years working in the following SDSU departments: the Office of the President; Marketing and Communications; University Relations & Development; Accounts Payable and the College Readiness Programs. She served as Assistant to the Vice President for University Relations & Development, Director of Board and Executive Affairs, and Director of Gift Oversight and Stewardship.

She brings a wealth of executive support experience, knowledge of SDSU and SDSU Research Foundation, and is responsible for board relations and activities as well as executive office management.



Nadia Campbell, Manager

Nadia Campbell joined the Sponsored Research Administration department as a Manager in November 2017. She has 30 years of experience working in research as a Project Manager for SDSU's Institute for Behavioral and Community Health. Nadia earned her BS in Public Health (Behavioral Sciences & Health) from UC Los Angeles, and has a Master's degree in Public Health (Health Promotion) from SDSU.

Mission/Values Statement

As part of our organizational priorities, we reviewed and clarified our vision and values to emphasize service, collaboration, innovation, diversity and integrity.

Mission

To support and further the research, education and community service objectives of San Diego State University.

Vision

To foster a culture of creativity and collaboration with integrity and respect for individuals that results in the delivery of superior service to support the university's strategic aspirations.

Values

SERVICE

We are....

- a service organization that strives to provide superior support to the university community to achieve SDSU's goals.
- committed to being professionally competent by setting high standards and working hard to achieve results.
- continually seeking to improve our skills and capabilities by valuing education and professional development.

COLLABORATION

We seek to ...

- actively engage with our stakeholders and employees to identify issues and design solutions.
- build strong relationships grounded in trust, openness and inclusion.
- achieve the best results by taking pride in the accomplishments of our colleagues.

INNOVATION

We work towards...

- inspired solutions to improve and adapt to emerging opportunities and challenges.
- creative ways to streamline and enhance our delivery of services through resourceful and proactive problem solving.
- strategic use of technology and reduction of obstacles.

DIVERSITY

We promote...

- a culture of respect and acceptance of others.
- diversity of thought and perspectives.
- an appreciation for differences in backgrounds, styles, beliefs and experiences.

INTEGRITY

We are committed to...

- act with the highest ethical standards, with honesty, integrity and transparency.
- provide consistent and accurate information.
- value and respect all individuals.

II. Highlights

Fiscal Stability

BUDGET

We continue to improve our financial viability and finished the year without utilizing any reserves to balance the 2017-18 operating budget.

While challenges remain, the following indicators point to a continued positive budget forecast:

- SDSU faculty received \$135 million in awards – a slight increase over the previous year.
- The number of proposals submitted increased from 1,194 to 1,215.
- The amount of F&A awarded increased from \$20 million to \$23 million.
- RF revenue was stable; overall revenue administered, including TCF, increased from \$225.7 million to \$234.5 million.
- The dollar amount of federal/federal pass-through awards increased from \$89 million to \$95 million (a 7.2% increase).
- NIH awards increased in dollars from \$19.7 million to \$25.8 million (31% increase) and in number of awards from 72 to 77 (6.9% increase).
- SDSU recruited 77 new faculty members for the 2018-19 academic year.

The university continued its commitment to and support of research with investments in Areas of Excellence, the GREW program, University Graduate Fellowships, Student Research Symposium, Summer Undergraduate Research Awards, and Research Equipment and Facilities Improvement Grants.

SIGNIFICANT FINANCIAL TRANSACTIONS/MILESTONES

F&A Rate Extension. The application/request for a four-year extension of the current rate agreement was submitted last year and approved in August of 2018. The new rate of 50.5% for on campus research was provisional last year and half a percent higher than the previous rate. At June 30th we had 155 funds awarded at the higher rate.

University Waiver. We have become less reliant on this generous waiver, which we have received since 2014-15. We were able to reduce the waiver amount by \$250,000 for the FY 2018-19 year.

Earnings Enhancement. Last year saw an increase in investment income due to short-term interest rate increases, a modification in investment strategy and reduction in investment management fees.

Expansion of Santa Margarita Ecological Field Station (SMER). The SMER field station increased in size by approximately 140 acres with the donation of three parcels of raw land to the research foundation by land developer DR Horton. This acquisition was part of a mitigation offset by the developer and negotiated with the County of Riverside. It strategically benefits SMER by expanding the reserve and wildlife corridor, providing habitat connectivity for further preservation, serving as an undeveloped land buffer to the ever increasing development surrounding this field station, and allowing an endangered

species of vegetation to propagate and grow. All up-front costs and on-going maintenance costs are born by Riverside County and the developer. Due diligence and approvals for this gift spanned five years, and were completed on April 26, 2018.



New SMER acreage

Research Support

RSF Distribution. Research Support Funds (RSF) are funds allocated to colleges, principal investigators and the vice president for research to support new or existing university initiatives. RSF funds are provided to projects generating F&A at the full federally negotiated rate for on-campus research.

In 2017-18, Research Support Funds were again funded at 100%. \$2.7 million was provided to support new proposal development and ongoing externally funded programs.

New Faculty. SDSURF staff continue to work closely with new faculty, participating in the university's new faculty orientation program and acquainting them with the grant-related services and support we provide. As of June 30, 2018, 13 of the 44 new faculty who joined SDSU in 2017-18 had submitted 37 proposals valued at \$4.8 million. Seven new faculty members received ten awards totaling more than \$1.1 million (\$367,874 in F&A).



Grant information coordinator Joi Coles meets with new faculty members Wenwu Xu and Tianying Wu

Faculty recruitments. The directors of sponsored research development and grant information/communications participated in several university searches, meeting with candidates under recruitment for the 2018-19 academic year. This process allows potential new hires to understand the service and support they would receive as members of the SDSU research community.

Training. Twenty-seven workshops and webinars were offered last year, including another successful NIH “K” Award seminar, featuring SDSU K Award recipients from the colleges of health and sciences. The prestigious “K” series provides institutional research training opportunities to those with demonstrated promise. New workshops last year included “NIH Proposals and New Human Subjects/Clinical Trials Requirements,” “Understanding and Protecting Controlled/Unclassified Information,” and “Diving Deeper into Data Management Plans.”



K award recipients shared their expertise. From left: Lianne Urada (social work), Elizabeth Reed (public health), Aaron Blashill (psychology) and Gian Pham (speech, language and hearing sciences)



Librarian Wil Weston hosts a PIVOT workshop



Program officer Adam Carruthers met with Richard Brandt and Joi Coles to discuss USDA's International Agricultural Program

GREW. The Grants and Research Enterprise Writing (GREW) Fellowship program is in its fifth year of supporting new faculty in the development of their research programs. Of the 97 faculty who have participated, more than 77% (75) have submitted at least one proposal, with 513 proposals in total submitted by GREW fellows. GREW fellows have received 234 new awards totaling \$21.6M, generating \$4.5M in F&A.



GREW reunion. From left: Allison Vaughn, Xiaofeng Xu, Changqi Liu, Hilary McMillan, Tim Hushen, Sonja Pruitt Lord, Violet Bumah, John Crockett and Joaquin Camacho

Enhanced Service Initiatives

Reporting enhancements. Existing tools supporting enterprise reporting have reached end of life. After evaluating options, it was determined that recently upgraded PI Profile technologies can be used to support both enterprise and ad-hoc reporting needs and efforts to build out the supporting data sets has begun. Leveraging existing tools enabled us to save an initial \$100,000 investment and \$30,000 annually for new reporting tools.

InfoEd Upgrades. InfoEd, the system supporting proposal development and electronic submission to federal agencies and the human subject protocol management system were upgraded to take advantage of ongoing enhancements to align with changes with Grants.gov and sponsoring agency submission requirements. This upgrade also included a streamlined Reviewer Dashboard, improving the approval/disapproval process for PIs, deans and department chairs; new functionality that allows NIH validations before final proposals are submitted reducing the potential for errors that might cause a proposal to be rejected, and a new and improved budget-modeling tool.

Online benefits. Employees were able to update benefit selections online during open enrollment with EaseCentral, a new tool that streamlined the process and provided better service to employees.

Electronic Personnel Action (E-PAS). The E-PAS functionality in PI Profile was expanded to automate the data feeds into our HR information systems for some of the most frequent job change reasons, further reducing manual data entry.

Retirement plan enhancements. A review of the plan by the Retirement Plan Oversight Committee (RPOC), TIAA and advisor NFP resulted in recommended changes that were approved by the board of directors in March. The plan consisted of two components, one covered by the Employee Retirement Income Security Act of 1974 (ERISA) retirement regulations, while the other, older plan was not covered by these same ERISA regulations. Based upon the review, RPOC determined it would be more efficient, cost effective and permit stronger oversight by RPOC to restrict future contributions to just the one ERISA-covered plan. During FY 2017-18, management provided participants with information regarding this change. Current non-ERISA participants' new contributions were converted to the ERISA-covered plan, effective August 2018.

Procure to Pay improvements. The first phase of this project implemented the Banner receiving module including three-way matching: the purchase order, receiving confirmation and invoice are matched electronically so payments can be issued without waiting for another form of approval. A pilot group is currently testing the process.

University Partnerships/Collaborations

Research foundation staff work with their university colleagues to further SDSU's mission and to address objectives and challenges. Examples of these partnerships follow.

Shipping & Receiving Merge

On June 1, 2018, the SDSU and SDSURF Shipping and Receiving staff merged and commenced operations under one unit as part of SDSU Logistical Services. This merge involved four SDSURF staff transferring to campus as employees of the university. Advantages of this merge include: enhanced and more consistent services for shipping and receiving customers at both SDSU and SDSURF, elimination of redundant services, streamlining invoice/package receipt process, cost savings for both the research foundation and the university, ability to lease existing shipping docks at City Heights to generate new revenue streams, and an overall win-win for all involved. Ancillary services such as shredding and copier management were integrated into the duties of existing staff within the department.



RF shipping and receiving staff joined SDSU Logistical Services
(from left: Leon Kearse, Wayne Murrell, Mike Johnson, and Jun Dandan)

The Black Resource Center

In collaboration with SDSU Student Affairs, the research foundation completed a \$530,000 renovation of 5723 Lindo Paseo, to create the Black Resource Center (BRC). This property was converted from a single-family residence to an office use, and held its grand opening on February 28, 2018 – to coincide with the last day of Black History Month. The BRC serves as a space for students, faculty and staff to congregate, collaborate and cultivate a unified sense of community. The center aligns with the SDSU’s strategic mission to help ensure that students are academically and socially supported in ways that encourage retention, persistence and graduation.



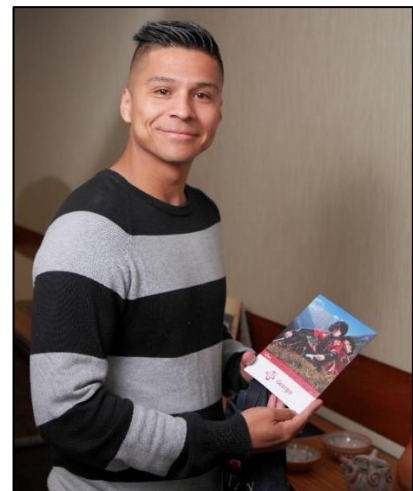
Consolidated Reporting. Research foundation staff worked with the College of Extended Studies and SDSU accounting to implement a new CES accounting structure, and supporting processes to map and combine data from SDSU and SDSURF systems, resulting in streamlined reporting.

Endowment reporting. Selected a new software solution called Fundriver to manage individual endowments, which will provide more transparency and automation in the management of endowments. The implementation will not only streamline the endowment process each quarter, but will also provide new features that will be made available to the department, deans and other endowment administrators in the future.

Enhanced Reporting Analytics. New reporting functionality in PI Profile supports ad-hoc queries and analysis on proposal/award data for more detailed tracking of awards and trends. New revenue and expense reports were developed for academic leadership.

PCard Users Group. The newly formed campus P-card administrator users group includes the research foundation, SDSU, Aztec Shops and Associated Students and facilitates collaboration on best practices and consistent policies and procedures. Research foundation Business Services Manager Katherine Ivko founded and facilitates this group.

SDSU-Georgia Transition Plan. Collaborated with Business and Financial Affairs and Academic Affairs to negotiate a successful transition plan for the SDSU-Georgia program. The plan facilitates the transition of U.S.–based degrees to our partner universities in Georgia, as they obtain ABET accreditation and ACS certification. Advance funding was secured to support a fourth cohort, and an agreement was reached on funding for the final cohort and transition of the programs to the Georgian partner universities.



Georgian Days at SDSU

2016-17 Research Highlights. This publication was prepared in collaboration with Vice President Welter and spotlights some of the important research conducted at SDSU.



Visit a Project program resurrected. This program provides another way of bringing RF staff and researchers together. Small groups of staff visit the labs of SDSU researchers to learn more about the work they are supporting.

Swairjo Lab Visit



Kassegne Lab Visit



PI Lecture Series

The PI Lecture Series continued in FY 2017-18. Nine principal investigators presented lectures about their work to research foundation staff. This program originated in 2011 at the suggestion of Dr. Rob Edwards (computer science). It remains a positive mechanism for educating staff about the PIs we support and building strong PI/staff partnerships.



Top row: Grant specialist Erika Gonzalez and Dr. Mounah Abdel-Samad (public affairs)

Dr. Kristen Wells (psychology) with development specialist Leslie Gray

Dr. Greg Holland (chemistry) with grant specialist Francisco Solano

Row 2: Development specialist Sarah Harper with Dr. Aaron Elkins (management information systems)

A captive audience

Dr. Kate Rubin (physics) with development specialist Carolyn Fell and grant specialist Ian Abba

Row 3: Development specialist Jerry Weber, Dr. Natalie Mladenov (civil and construction engineering) and grant specialist Ian Abba

Executive director Michèle Goetz chats with Dr. Mounah Abdel-Samad

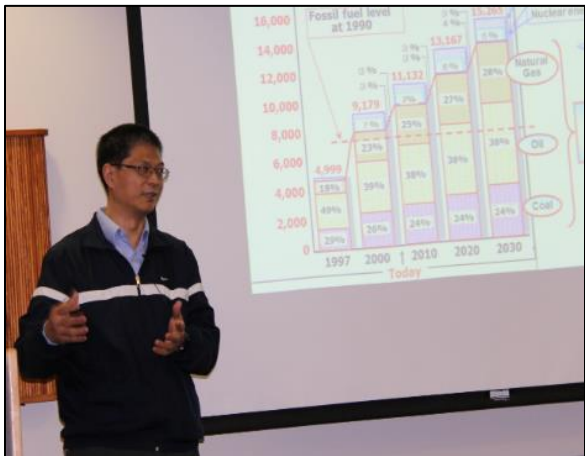
Grant specialist Lisa Anderson, Dr. Susan Kiene (public health) and development specialist Leslie Gray

Row 4: Dr. Robert Quimby (astronomy) with Heylin Ramirez (computing services)

Dr. Karen May-Newman (mechanical engineering) chats with SDSU's assistant director of development, Carolyn Wheeler

Dr. Quimby with development specialist Carolyn Fell and grant specialist Steve Vasquez

Discovery Slams. This program continued during the fall of 2017. Staff joined with VP Welter and then-Dean Maloy to co-host these monthly meetings highlighting the work of SDSU researchers.



Professors Tonika Green, Elizabeth Dinsdale, Sweta Sarkar, Ron King, Chris Mi and Iana Castro presented at the fall 2017 Discovery Slams.

FACILITIES

CAPITAL IMPROVEMENTS

Ice Bank Replacement

This project replaced the 35-year old “ice bank” at 6505 Alvarado Road with a new 100-ton chiller to provide cooling to the entire building. The ice bank was essentially an underground tank that froze water overnight, during non-peak energy hours, and melted the ice during the day to cool the building. This was originally a good concept, but over the years became economically unsound due to unavailable parts and the use of an extremely expensive ozone-depleting refrigerant. The new chiller also operates during the day, but uses the latest technology to enhance savings and is environmentally friendly. Total project cost was \$316,000.



New 100-ton central chiller

6361 Vivarium Emergency Generator

In a collaboration between SDSU and the research foundation, a new 200 kW emergency generator was installed at the 6361 Alvarado Court vivarium. This generator provides 100% redundant power to the entire lab in the event of power outages and blackouts to avoid disruption to the research. This project spanned three fiscal years and was completed in September 2017. Total project cost was approximately \$260,000.



A new vivarium generator provides more protection for research programs

Energy efficiency retrofit

Facilities staff explore every opportunity to mitigate rising energy costs, and at the end of the fiscal year were able to take advantage of an SDG&E energy efficiency program to replace fluorescent lights with LED lighting. This program replaced existing lights throughout 6330, 6361 and 6363 Alvarado Court – a total of 228 lights, at a minor cost of \$4,200. The program covered the bulk of expenses. Anticipated payback, due to reduced energy costs, is less than one year.

Lobby upgrades

The facilities team began a common area improvement initiative to update, refresh, and modernize building lobbies in research foundation-owned buildings, including 6475 and 6505 Alvarado Road, 6363 Alvarado Court and 9245 Sky Park Court. Properties were surveyed and items were prioritized based on need, with the initial phase completed in FY18 at a cost of \$40,000. Improvements included new paint, flooring, planters and minor construction to enhance the appearance of our building entrances. Going forward, remaining upgrades identified will be part of a Common Area Improvement Plan and budgeted for implementation in future years.

LEASE NEGOTIATIONS

Facilities executed 42 new and renewed lease agreements, including 17 offsite leases for research and American Language Institute/College of Extended Studies purposes, and 25 income-generating leases, totaling approximately \$5.8 million in rent over their terms. This represents a 25% increase over last fiscal year's efforts.

IMPROVING RESEARCH LABS AND OFFICES

Our facilities team works with principal investigators to identify space for their projects and manages any required construction/modifications. Examples of improvements made in the 2017-18 year follow.

South Bay Latino Research Center (SBLRC) /Dr. Gregory Talavera, Public Health and Dr. Linda Gallo, Psychology. The SBLRC relocated from six separate suites in South Bay to one comprehensive suite with 13,430 sq. ft. at 780 Bay Blvd in Chula Vista, overlooking the San Diego Bay.

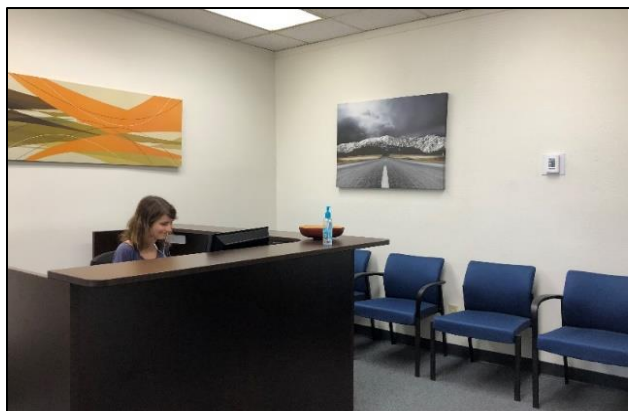


The SBLRC team

The space was designed to SBLRC's specifications and allows the research team to work as a cohesive unit and optimize their space and collaborative efforts. This project is a tri-lateral collaboration between SDSU, UCSD and SYHC (San Ysidro Health Center) that promotes and expedites research to improve outcomes in Latino diabetes, obesity and cardiovascular disease. This new space will save approximately \$1.3 million in rent over the lease term in comparison with the former site and provide much improved space allowing more collaboration and efficiency.

Dr. Aaron Blashill, Body Image, Sexuality, and Health Lab (BISH Lab)

Dr. Blashill's new 3,500 square foot "BISH Lab" focuses its research on body image and health behaviors (HIV medication adherence, sexual risk, indoor/outdoor tanning, anabolic-androgenic steroid misuse), with a particular focus on sexual orientation health disparities. Improvements were completed in early Fall at the 6363 Alvarado Court, Suite 101 space to accommodate Dr. Blashill's new research funding.



Reception area, BISH Lab



A BDIL staff member and clinic participant

SDSU Center for Autism

The SDSU Center for Autism and Developmental Disorders, in the Department of Psychology, is a new 1,700 square foot center located at 6363 Alvarado Court, co-founded by Dr. Axel Mueller and Dr. Inna Fishman and their colleagues at the Brain Development Imaging Labs (BDIL). The Center will provide clinical services (such as assessment and diagnostic evaluations) to San Diego families who are affected by autism and other disorders of development, especially those in under-served communities. The Center psychologists and trainees have the expertise to assess autism across the life span (from toddlers through middle-aged adults). The Center will also serve as a multidisciplinary research hub and core facility for the many SDSU researchers who specialize in autism, including faculty from the College of Sciences, College of Education and School of Speech, Language and Hearing Sciences. Finally, the Center has another important mission of public education, providing educational workshops, informational talks and community presentations focusing on brain health, brain science, childhood development and aging. The SDSU Center for Autism improvements were completed in early spring 2018.

Dr. Phillip Holcomb, NeuroCognition Laboratory

The NeuroCognition Laboratory was expanded in late spring 2018 to support Dr. Holcomb's growing research. His work provides a better understanding of the neuronal basis of cognition in hearing adults and children as well as adults who are deaf.



The NeuroCognition Lab now includes training and conference seating areas

The Purge

During our spring 2018 cleaning event, SDSU Research Foundation staff successfully purged and recycled approximately 16,000 pounds of paper from its offices and storage areas, and over 13,000 pounds of metal and outdated furniture. The purge provided staff with the opportunity for a "clean start" going into the new fiscal year, and more space, further strengthening team morale. It also provided management with an opportunity for future restructuring of office space in certain areas, providing greater operational flexibility and efficiency.



III. By the Numbers (Volume Indicators/Charts and Graphs)

SDSU RESEARCH FOUNDATION FY 2016, 2017 & 2018 VOLUME INDICATORS

The following indicators compare the last two fiscal years and are intended to provide perspective on business volume.

VOLUME INDICATORS		FY 2016	FY 2017	FY 2018
Business Volume Indicators	Total Annual Revenue Administered	\$225,995,846	\$225,682,264	\$234,525,820
	Total Grant & Contract Expenditures	\$115,912,239	\$117,285,492	\$118,936,321
	Number of Proposals Submitted	1,167	1,194	1,215
	Dollar Volume of Proposals Submitted	\$215,660,158	\$228,907,366	\$215,501,195
	Number of Awards Received	707	783	756
	Grants/Contracts Award Dollars	\$129,901,774	\$134,264,146	\$135,033,451
	Number of Active Grant/Contract Funds	854	875	891
	Number of Principal Investigators Receiving Awards	260	278	285
	Campus and Community Programs Total Revenue	\$56,286,723	\$49,716,424	\$47,274,519
	Number of Active Self-Support Funds	406	434	303 ^{*(a)}
	Number of Sub-Contracts	188	193	177
	Number of Invoices Processed	44,167	41,666	39,247
	Number of P-Card Transactions	22,219	22,759	24,261
	Number of Shipping & Receiving Deliveries	17,955	15,825	15,000 ^{*(b)}
	Number of Purchase Orders	6,105	5,621	6,021
	Number of IP Disclosures	29	34	42
	Number of Licenses	10	6	10
	Number of Copyrights	6	12	10
	Number of Patents	29	32	32
	Employment Indicators	Number of Central Staff Employees (FTE) ^{*(c)}	148	162
Number of Paychecks Issued		47,101	45,043	44,397
Number of SDSURF Employees at year end		2,294	2,231	2,178
Number of SDSURF Employees Paid in the Calendar Year		3,607	3,445	3,343
Number of New Hires		1,561	1,354	1,061
Real Property Indicators	Properties Owned, Managed and Maintained (buildings and parking lots)	33	32 ^{*(d)}	31 ^{*(e)}
	Gross Square Footage	715,000	698,000	695,463
	Properties Leased	28	28	31
	Rentable Square Footage of Leased Space	78,000	78,000	81,579
	Approx. Acreage of Field Stations	920	920	1,060
	Estimated Value of Owned Properties	\$96,401,000	\$96,021,000	\$95,671,000

* (a) reflects new CES account structure

* (b) partial year due to 6/1/18 merger with SDSU

* (c) as a calculation of annual payroll hours worked

* (d) sale of Alameda property

* (e) sale of Heber Ave. property

The following charts highlight proposal/award/expenditure activity. Kudos to SDSU faculty and staff who were successful in their efforts, despite a challenging federal budget year.

Chart A

Proposal/Award/Facilities & Administrative (F&A) Cost Comparison

FY 2017-18 and FY 2016-17

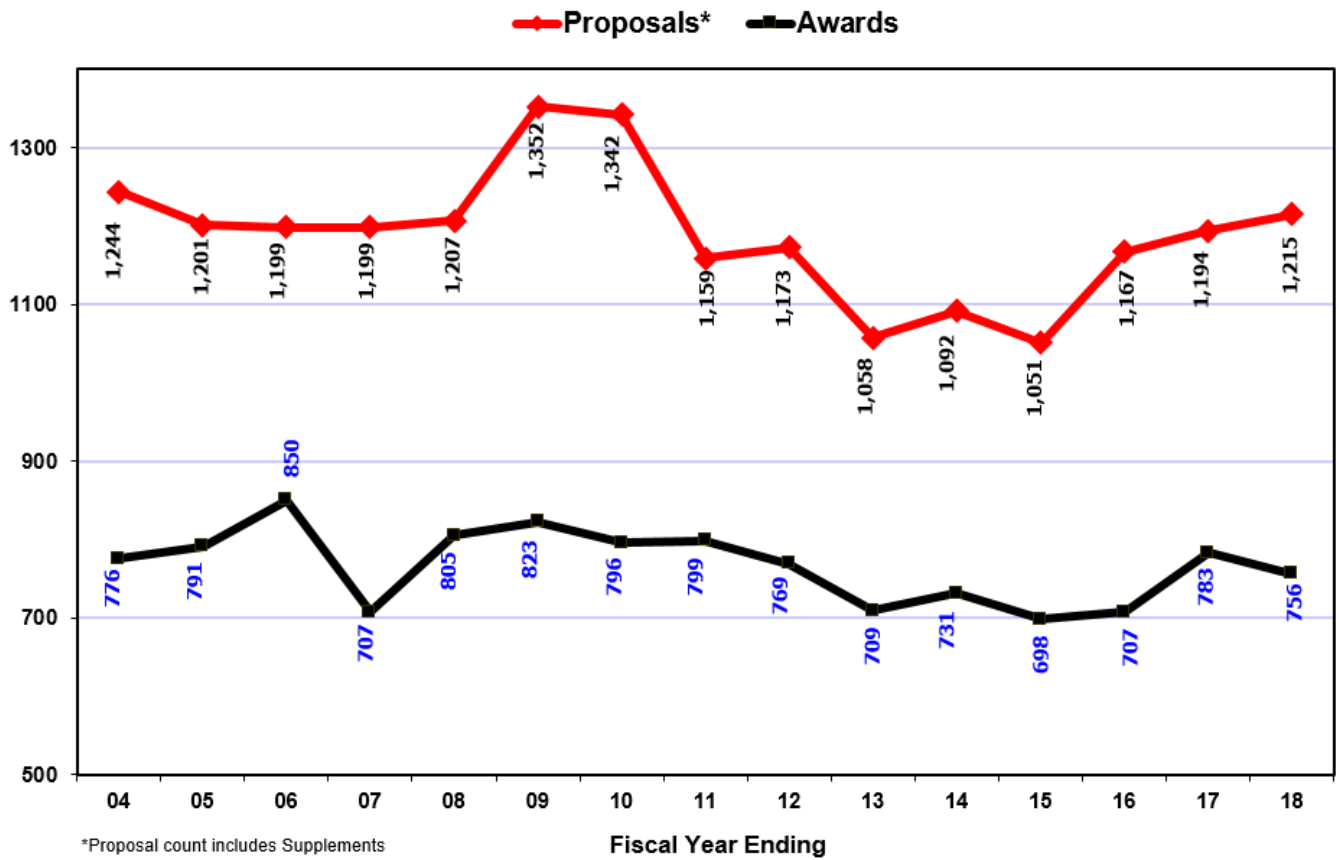
Proposals

	Fiscal Year 2017-18	Fiscal Year 2016-17	DIFFERENCE BETWEEN FISCAL YEARS
Proposals Submitted	1,215	1,194	21
Total Amount Proposed	\$215,501,195	\$228,907,366	-\$13,406,171
F&A Amount Proposed	\$43,948,986	\$43,101,136	\$847,850
Proposed FA (%)	25.62%	23.20%	

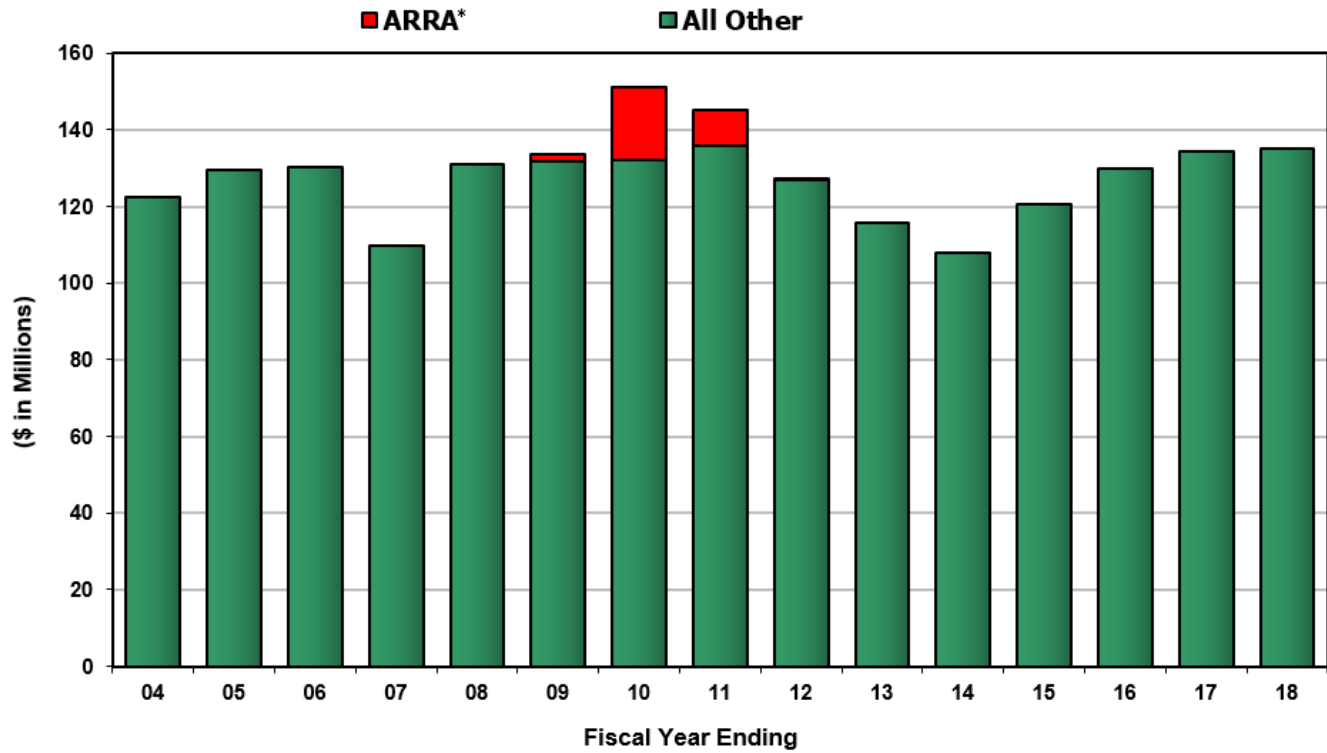
Awards Received

	Fiscal Year 2017-18	Fiscal Year 2016-17	DIFFERENCE BETWEEN FISCAL YEARS
Number of Awards	756	783	-27
Total Amount Awarded	\$135,033,451	\$134,264,146	\$769,305
F&A Amount Awarded	\$23,173,665	\$20,148,110	\$3,025,555
FA (%)	20.72%	17.66%	

Number of Proposals and Awards



Dollar Amount of Awards



* American Recovery and Reinvestment Act of 2009

Awards Received on Behalf of San Diego State University FY 2017-2018

	Total Number of Awards	Number of PIs	Percentage Number of Awards	Total Number of Proposals*	Number of Proposers	Percentage Number of Proposals	Total Dollar Amount of Awards	Percentage Dollars of Awards Received	F&A Dollars Awarded	Number of T/TT Faculty	Award Dollars per T/TT
<i>Arts and Letters</i>	61	28	8.1%	103	41	8.5%	6,597,187	4.9%	1,522,262	176	37,484
<i>Business Administration</i>	5	7	0.7%	10	11	0.8%	409,865	0.3%	37,960	63	6,506
<i>Education</i>	106	33	14.0%	137	44	11.3%	18,047,557	13.4%	1,113,772	87	207,443
<i>Engineering</i>	67	31	8.9%	146	51	12.0%	7,158,408	5.3%	1,536,862	54	132,563
<i>Health & Human Services</i>	126	51	16.7%	217	76	17.9%	46,288,226	34.3%	8,376,557	83	557,689
<i>Professional Studies & Fine Arts</i>	11	6	1.5%	18	12	1.5%	442,187	0.3%	51,220	95	4,655
<i>Sciences</i>	249	110	32.9%	446	152	36.7%	33,451,854	24.8%	7,903,841	149	224,509
<i>Imperial Valley Campus</i>	3	1	0.4%	5	1	0.4%	668,744	0.5%	55,783	16	41,797
<i>Georgia Campus</i>	8	2	1.1%	6	2	0.5%	11,989,872	8.9%	2,146,723		0
<i>Student Affairs</i>	5	4	0.7%	8	4	0.7%	671,502	0.5%	13,359		0
<i>Extended Studies</i>	34	2	4.5%	34	2	2.8%	1,268,275	0.9%	65,188		0
<i>KPBS</i>	17	2	2.2%	17	2	1.4%	5,010,297	3.7%	20,506		0
<i>Institutional</i>	64	8	8.5%	68	9	5.6%	3,029,477	2.2%	329,632		0
TOTAL	756	285	100%	1215	407	100%	135,033,451	100%	23,173,665	723	186,768

Institutional includes: Business & Financial Affairs, Graduate & Research Affairs, Academic Affairs

* Proposal count includes supplements

Awards by Sponsor Type FY 2017-18

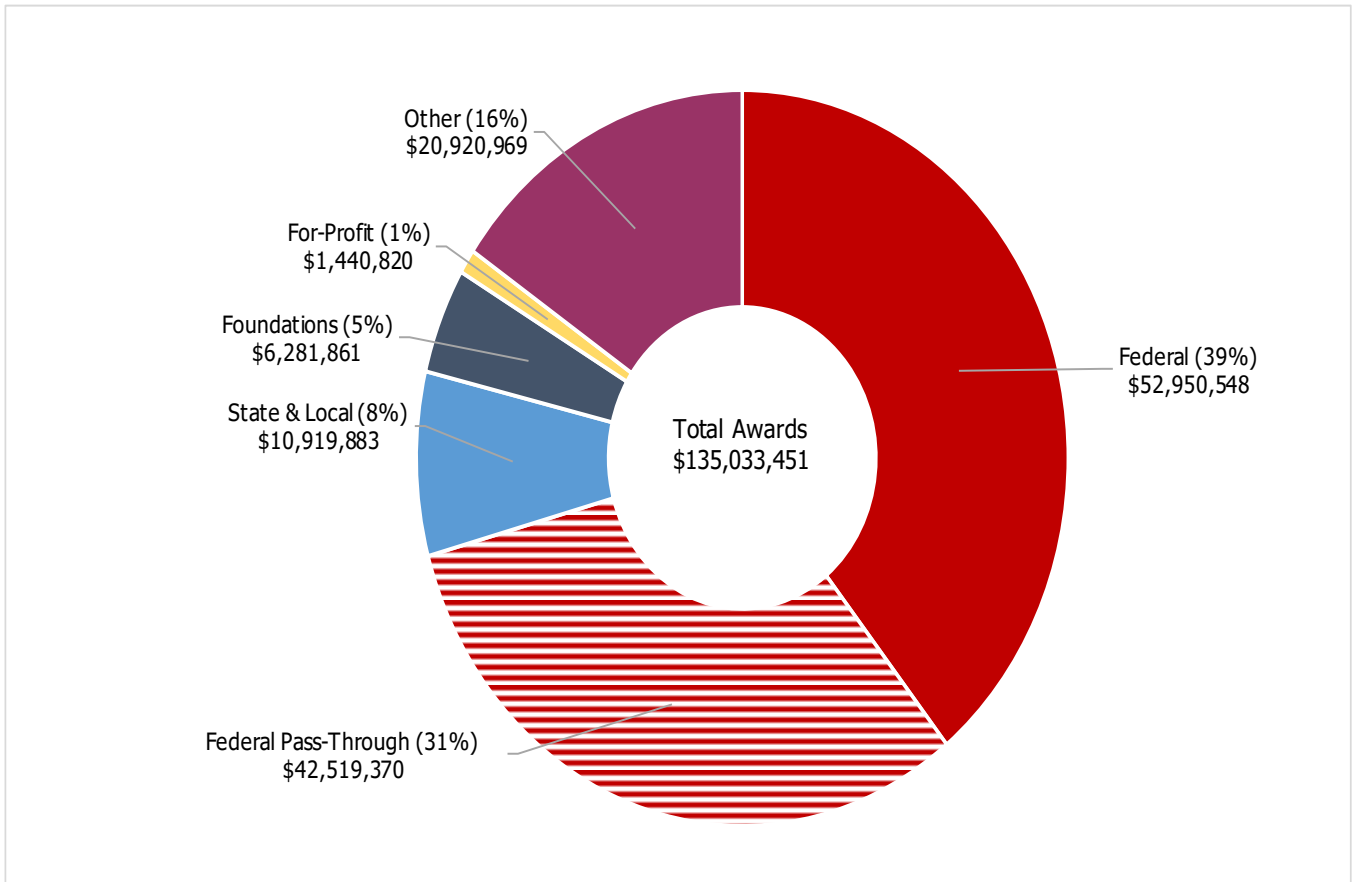


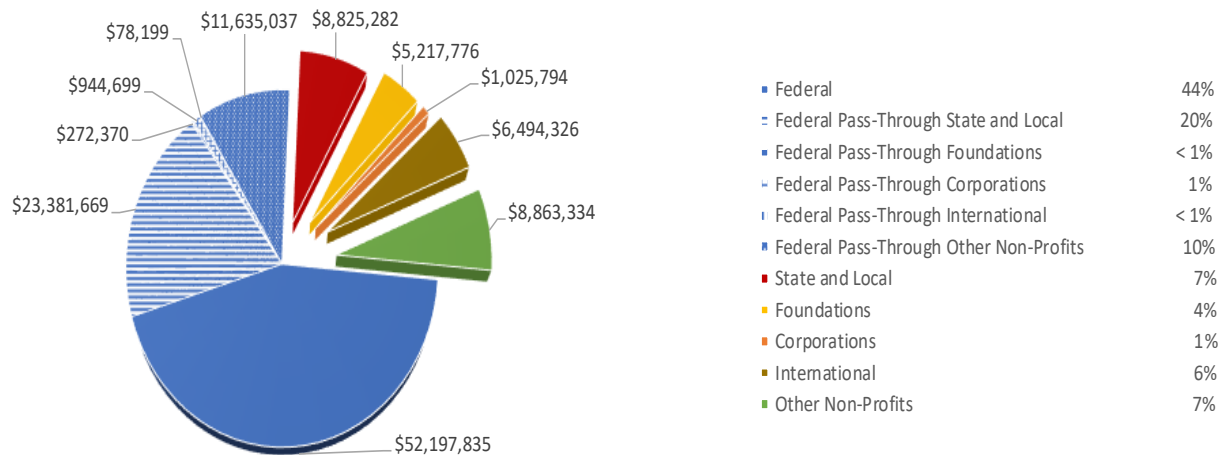
Chart F

Sponsored Program Expenditures by Sponsor Type/Federal Pass-through

FY 2017-18

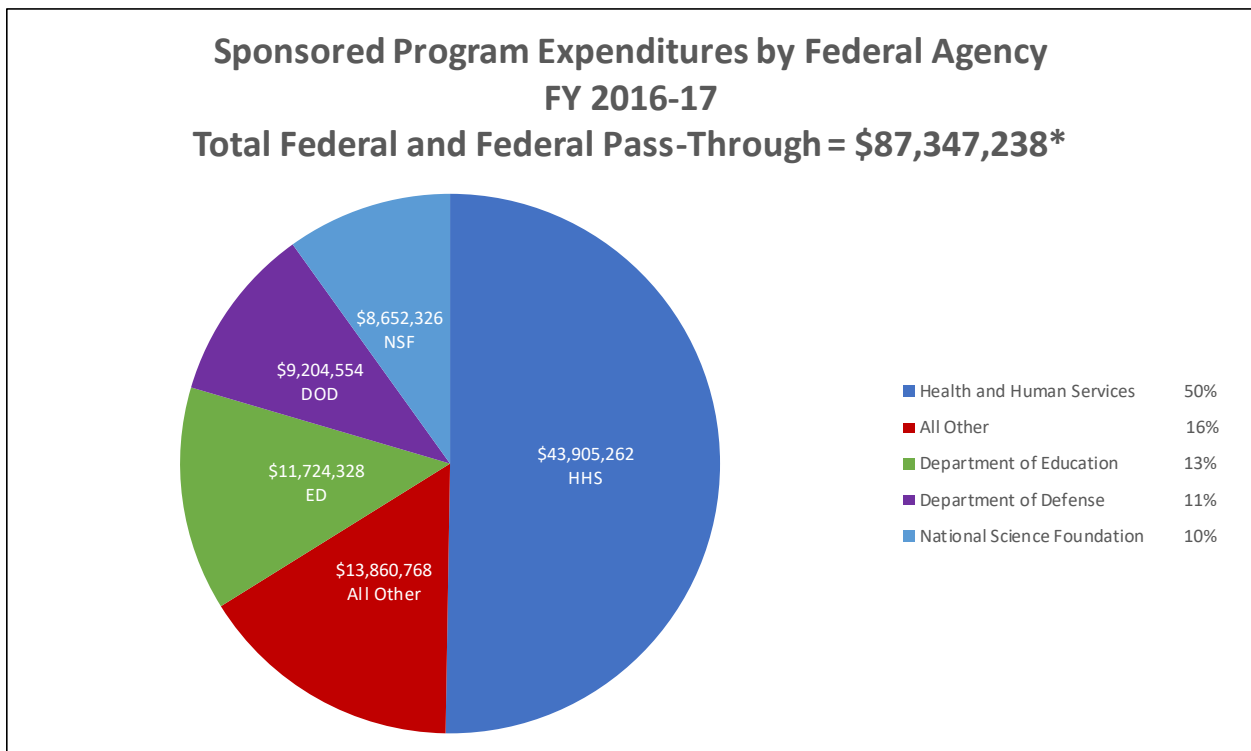
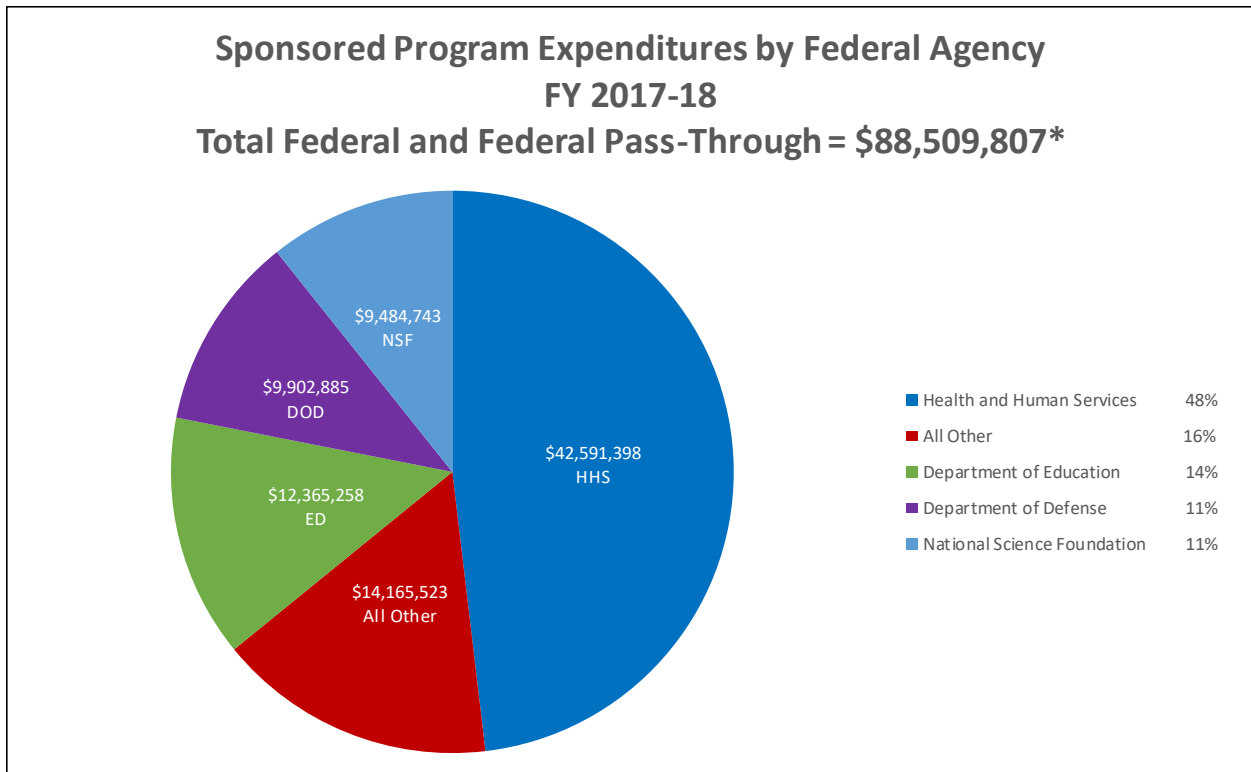
Total Expenditures = \$118,936,321*

Total Federal and Federal Pass-Through = \$88,509,807



Federal	\$52,197,834	State and Local	\$8,825,282
Federal Pass-Through State and Local	\$23,381,669	Foundations	\$5,217,776
Federal Pass-Through Foundations	\$272,370	Corporations	\$1,025,794
Federal Pass-Through Corporations	\$944,699	International	\$6,494,326
Federal Pass-Through International	\$78,198	Other Non-Profits	\$8,863,336
Federal Pass-Through Other Non-Profits	\$11,635,037	Total Non-Federal:	\$30,426,514
Total Federal and Federal Pass-Through:	\$88,509,807	GRAND TOTAL:	\$118,936,321

*Includes NIH Endowment Funds



*Includes NIH Endowment Funds

Sponsored Program Expenditures - Detailed Comparison

	Actual Fiscal Year 2017-18		Actual Fiscal Year 2016-17		<u>CHANGE</u>	
	TOTAL	TOTAL	\$ Increase (Decrease)	% Increase (Decrease)		
Salaries	41,968,462	41,675,248	293,214	0.70%		
Benefits	12,536,637	12,542,541	-5,904	(0.05%)		
Other Direct	19,068,512	18,012,382	1,056,130	5.86%		
Total MTDC	73,573,611	72,230,170	1,343,441	1.86%		
Equipment	1,810,559	1,737,069	73,490	4.23%		
Student Support	6,277,683	6,761,656	-483,973	-7.16%		
Subagreements	10,616,333	10,303,307	313,026	3.04%		
Other *	4,706,272	4,821,530	-115,258	-2.39%		
Total Other Costs	23,410,847	23,623,562	-212,715	-0.90%		
Total Direct	96,984,458	95,853,732	1,130,726	1.18%		
F&A Costs	19,751,861	19,631,760	120,101	0.61%		
Total Costs	116,736,319	115,485,492	1,250,827	1.08%		
F&A Costs/MTDC	26.85%	27.18%				

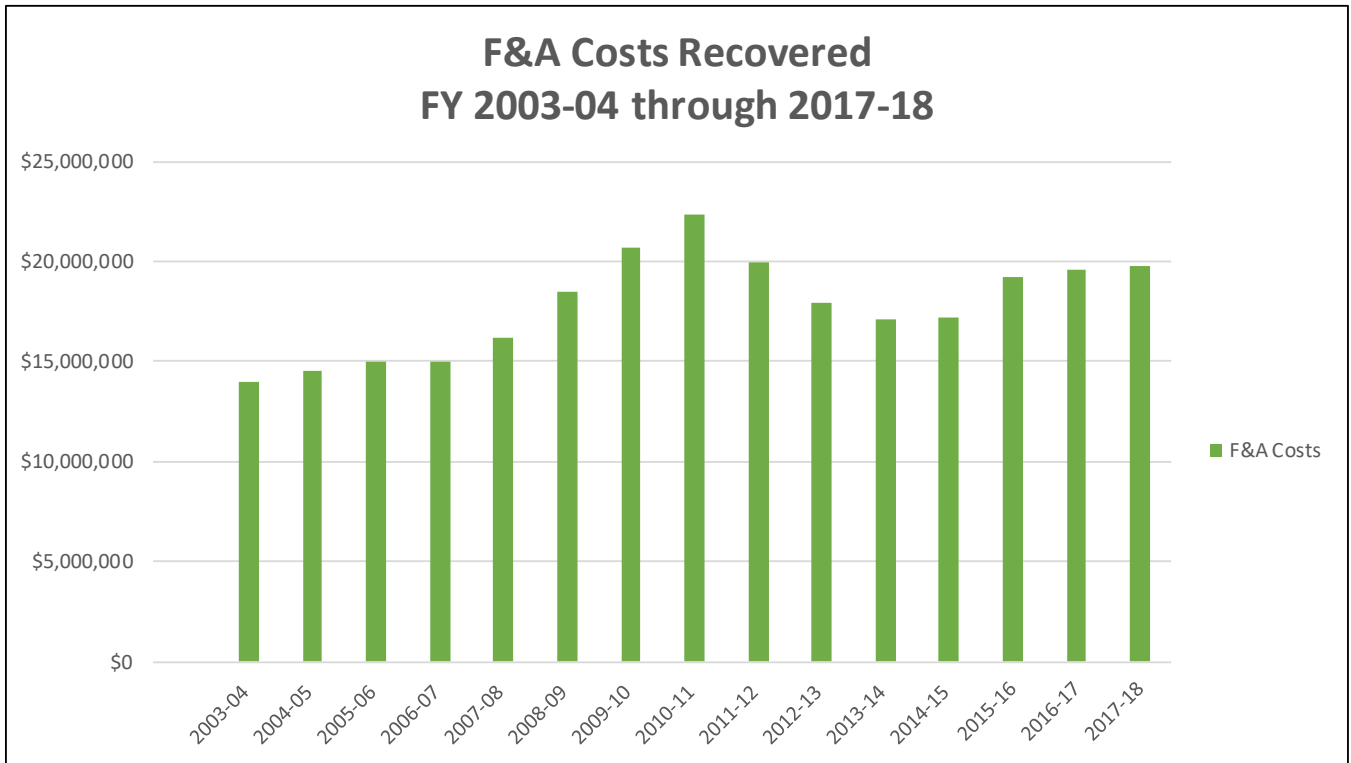
*Space rental costs, transfers, and other miscellaneous accounts

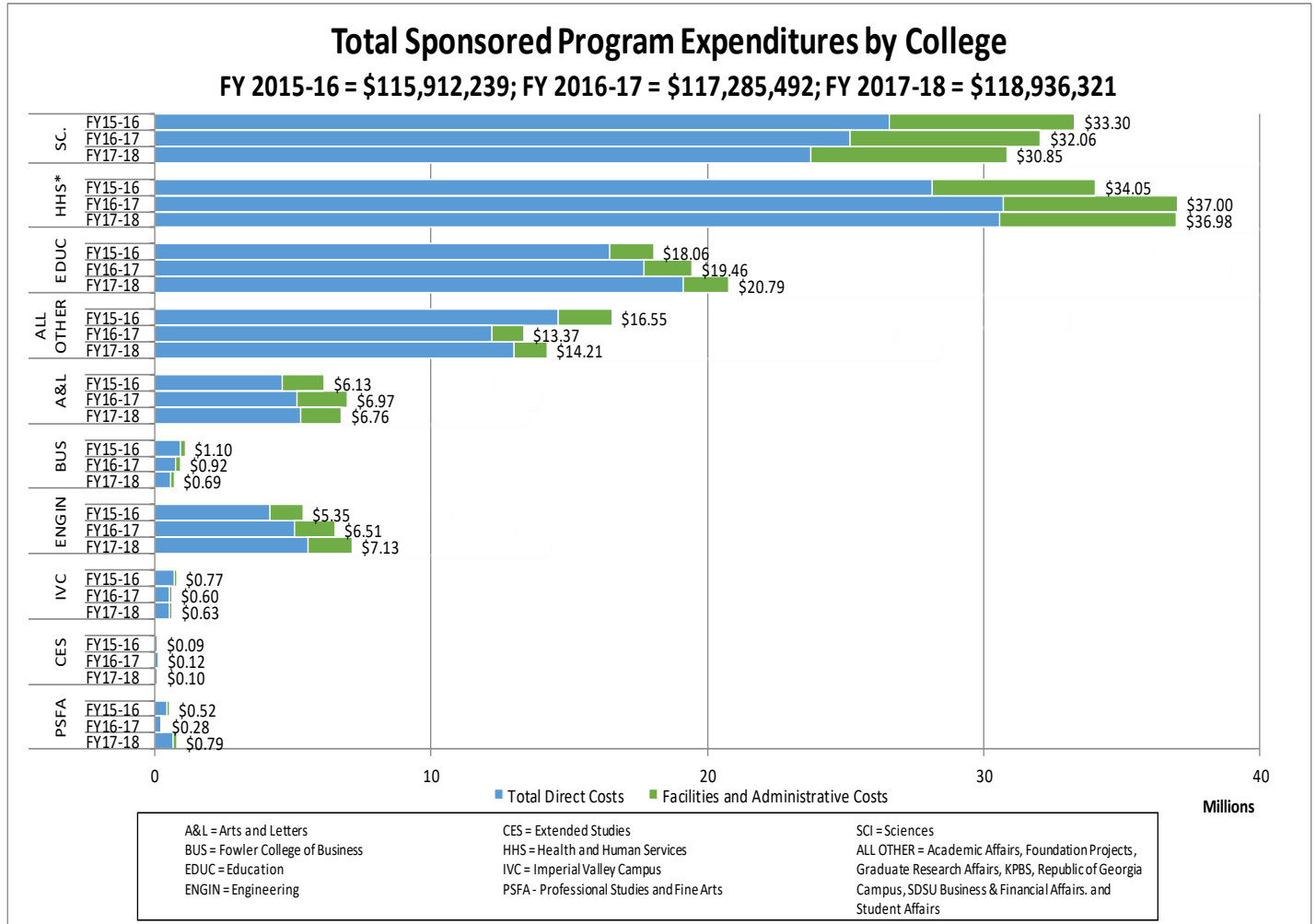
Sponsored Program Expenditures and F&A Effective Cost Recovery Rates

Fiscal Year	Total Costs	TDC	F&A Costs	F&A Rate	
				Negotiated Rate/	Effective Rate
2002-03	125,105,523	109,463,032	15,642,491	51.00%	14.29%
2003-04	106,726,820	92,731,585	13,995,235	51.00%	15.09%
2004-05	115,229,540	100,736,023	14,493,517	50.00%	14.39%
2005-06	109,470,605	94,483,798	14,986,807	50.00%	15.86%
2006-07	105,405,951	90,452,927	14,953,024	49.50%	16.53%
2007-08	109,539,095	93,330,064	16,209,031	49.50%	17.37%
2008-09	119,238,251	100,717,735	18,520,516	49.50%	18.39%
2009-10	126,100,292	105,364,687	20,735,605	49.50%	19.68%
2010-11	135,239,456	112,891,751	22,347,705	49.50%	19.80%
2011-12	122,853,501	102,895,929	19,957,572	49.50%	19.40%
2012-13	108,364,049	90,400,260	17,963,789	49.50%	19.87%
2013-14	106,609,049	89,480,112	17,128,937	49.50%	19.14%
2014-15	106,339,954	89,139,068	17,200,886	50.00%	19.30%
2015-16*	115,912,239	96,704,049	19,208,190	50.00%	19.86%
2016-17*	117,285,492	97,653,732	19,631,760	50.00%	20.10%
2017-18*	118,936,321	99,184,461	19,751,861	50.50%	20.37%

*Includes NIH Endowment Funds

Chart J





IV. Federal Budget Update September 24, 2018

February Budget Agreement Breaks Logjam, Provides Funding Certainty

On February 9, 2018, the President signed into law a new, two-year bipartisan budget agreement covering federal fiscal years 2018 and 2019 (FY18/FY19). This agreement was necessary to break the appropriations impasse and end the threat of additional government shutdowns. Following this agreement, Congress worked in bipartisan fashion to pass the stalled appropriations bills. The FY18 government funding bill was signed on March 23rd, just in time to avert another shutdown.

Major Provisions of FY18 Budget Agreement

- Increased discretionary spending budget caps by \$300 billion
- Agreement designated increases in specific spending accounts, including-
 - NIH (scientific research): \$1 billion increase in each fiscal year
 - Higher Education: \$2 billion increase in each fiscal year for “student centered programs that aid college completion and affordability, including those that help police officers, teachers and firefighters”
- Postpones sequestration for two fiscal years (through September 30, 2019)

What this means: The agreement provides temporary across-the-board increases in federal spending, but only for two years. Sequestration – FY17 budget caps - returns full force October 1, 2019. This date becomes a major point of leverage. Absent new budget agreements to address sequestration, we could be revisiting the same uncertainty.

Update: FY19 Funding Bills

Under the budget agreement, defense and non-defense discretionary programs will receive an additional \$85 billion and \$68 billion, respectively, in the FY19 funding bills.

On Thursday, September 13th, House and Senate leadership announced a three-part agreement to fund the government beyond the September 30th deadline:

- Agreement was reached on a three-bill appropriations package (“mini-bus”) that includes the Energy & Waters Appropriations bill, the Legislative Branch bill and the funding bill that covers the VA and military constructions accounts. The President signed the bill into law September 21st.
- Agreement was reached on a second “mini-bus” appropriations bill that funds the Departments of Defense, Labor, Education and Health and Human Services (DOD-Labor-HHS). The Senate passed the bill September 18th. The House will vote on the measure the week of September 24th.
- Under the third part of the agreement, a Continuing Resolution (CR) appropriations bill was attached to the DOD-Labor-HHS package. The CR would fund all other federal programs through December 7th at current year (FY18) levels. Should this measure be signed into law, there will be no government shutdown and Congress will use the post-election lame duck

session to complete the other still unresolved appropriations bills, which include the Departments of Homeland Security, Transportation, Housing and Urban Development, Justice, Interior, etc. Of these, Homeland Security (e.g. immigration, border wall), Justice (e.g. sanctuary cities) and interior (e.g. environmental policy) will continue to be the most controversial.

Below are a few examples of programs that benefit SDSU. Each is increased – increases that run counter to the administration’s FY18 and FY19 budget requests. How these programs will fare when the current budget agreement ends will be closely watched.

Program	FY17 Enacted	FY18 Enacted	FY19 House	FY19 Senate	FY19 Final Agreement
National Institutes of Health	\$34 billion	\$37 billion	\$37.7 billion	\$39 billion	\$39 billion
National Science Foundation	\$7.5 billion	\$7.8 billion	\$8.2 billion	\$8.1 billion	Pending*
Corporation for Public Broadcasting	\$445 million	\$445 million	\$465 million	\$445 million	\$445 million
Defense Critical Languages Funding	\$6 million – not a line item	\$6 million – not a line item	\$0	\$8 million – line item	\$8 million – line item

*funded through Commerce-Justice-Science Appropriations bill

What Happens Next? – The agreements announced on September 13th provide ‘breathing space’ in the rush to keep the government funded. Assuming the schedule for votes holds and President Trump signs the bills, there will be a window up until December 7th to address the remaining funding bills. The President recently indicated he might hold off on his specific demands, e.g. funding for a border wall, until the lame duck session. The outcome of the mid-term elections will dictate those next steps.

Source: Carpi & Clay

V. Staff Activities and Events

Professional Engagement

Many SDSU Research Foundation staff volunteer their time with professional organizations related to their disciplines. These activities provide beneficial educational, training and networking opportunities that enhance their ability to serve SDSU researchers.

Executive director Michèle Goetz continues to serve as the CSU system representative on the Council on Governmental Relations (COGR) and to lend her expertise to the Auxiliary Organizations Association (AOA). Michèle is also a member of the National Council of University Research Administrators (NCURA) and the Society of Research Administrators International (SRAI). An Aztec for Life, Michèle represents SDSU Research Foundation on the University Research Council.

Chief financial officer Leslie Levinson serves in various capacities internally and externally. She is a member of the American Institute of Certified Public Accountants, the California State Board of Accountancy, a member of First Republic Bank's CFO Non-profit Advisory Board, mentor in the Aztec Mentor Program, member of SDSU President's Budget Advisory Committee (PBAC) and a member of the SDSU Mission Valley Finance Committee. An Aztec Club member and Aztec for Life, Leslie also serves as a member of The Campanile Foundation board's Finance & Investment Committee, the SDSU Gift Acceptance Committee, and as a board member of Walden Family Services and the Advisory Board for the School of Accountancy for the SDSU Fowler College of Business.

Research foundation staff serve on state, national and international organizations including: American Payroll Association (APA); National Organization of Research Development Professionals (NORDP); SRAI; COGR; NCURA; AOA; International Facility Management Association (IFMA); Society for Human Resources Management (SHRM); American Association for Access, Equity, & Diversity (AAAED).



Sandra Nordahl and Jennie Amison (rear, left) with colleagues at the SRA International West Coast Study Tour

Our staff also work closely with their university colleagues on joint projects and programs and serve on university committees and teams. These include the University Research Council; Institutional Animal Care and Use Committee; Explore SDSU; Institutional Biosafety Committee; Aztecs Rock Hunger; Campus Development Committee; FAA Drone Committee; and University Committee on Patents and Copyrights. Several staff members continue to volunteer each year as judges for SDSU's Student Research Symposium.

Director of Facilities Recognized



Eric Elson, director of facilities planning and management, received the 2018 Presidential Staff Excellence Award in the auxiliary category. This award recognizes an employee of one of SDSU's four auxiliary organizations for his or her outstanding and sustained service to the campus community

FOCUS ON TRAINING

Training efforts emphasized HR Basics, Excel, and leadership/performance management. The leadership course covered an examination of traits, behaviors, and attitudes that define effective and non-effective leaders. Participants were challenged by special HR consultant Robert Foldesi to initiate appropriate actions to enhance their leadership skills and capabilities. The performance session discussed the importance of Performance Management as a leadership tool and included a discussion of how to create and sustain a highly effective work team.



Robert Foldesi conducts a leadership session



Excel Training

SDSU Research Foundation Holiday Project – December 2017

Each year, research foundation staff identify an organization to support at the holidays. The 2017 SDSURF holiday project supported the Rosa Parks Preschool Project, a partnership between the Child Language Development, Disorders and Disparities Lab (ChiLD3) at SDSU and Price Family Philanthropies. The program began in 2010 and provides a focused language intervention for local children, ages three to five who are at a higher risk for having academic difficulty. SDSU graduate and undergraduate students work with a speech, language and hearing sciences professor, a licensed speech language pathologist and preschool teachers to implement this intervention by:

- Enhancing the language of the classroom through language facilitation strategies
- Supplementing the classroom through theme-based books and toys
- Facilitating theme-based dramatic play activities.

Several staff from the research foundation contributed books, school supplies, clothing, and toys. Principal Investigator Sonja Pruitt-Lord reported we “made 100 children and their families very happy.”



Children from the Rosa Parks Preschool Project

SDSU FIELD DAY – May 18, 2018



SDSURF representing at SDSU Field Day!

President Adela de la Torre’s First Day – June 28, 2018



SDSU Research Foundation staff meet President Adela de la Torre on her first day!

OUR STUDENTS!

SDSU students play an important role in the day-to-day operations of the research foundation. They provide significant contributions to all areas of our organization while learning skills that will benefit them in the future. We are fortunate to have these undergraduates on our staff to assist us and to remind us of the important academic mission we support.

Executive Office



Ivonne Molina Garcia is a senior studying Child Development. Ivonne successfully juggles multiple projects for the executive office and communications team from organizing files and event preparation and photography, to conducting internet research and tracking news stories.

Accounts Payable



Sydney Daily is a senior studying International Business and Colin McCullough is a senior majoring in Accounting. Both have helped tremendously in our Accounts Payable department in various capacities. From reviewing Pcard packets, to scanning documents, to inputting Accounts Payable paperwork, Colin and Sydney have made a positive impact in our department.

Information Systems



Keelan Gloria is a Computer Engineering major. Keelan's smiling face can be seen at the Help Desk busily supporting end users with all of their technical issues, printer problems, workstation and laptop configurations, desktop support, and any other computer needs.



Mark Park is a Computer Science major. On the Help Desk, Mark answers incoming inquiries by phone, email, or in-person, ensuring issues are documented and responded to, and provides friendly, competent support to end users.



Lizeth Navarro (left) is a senior studying accounting and Spanish and has a post-graduation position lined up with an accounting firm in the fall 2019. Makenzie Sehi (center) is a senior and Meghan Hart (right) is a junior, both studying Speech, Language and Hearing Sciences. These customer- service oriented students perform a wide variety of support tasks including a high volume of data entry and scanning. They can also be seen on campus tagging fixed assets purchased with research foundation funds.

Finance



Shane Acton is a senior who will receive his Bachelor's degree in Finance this coming spring. Shane effortlessly manages all of the SDSU Research Foundation accounts receivable Banner input, sends reminder notices for overdue invoices, and monitors our group email inbox.

Sponsored Research Administration



Senior Gabriela Martinez (Gaby) is working towards her Bachelor's degree in Applied Arts and Sciences, with a major in Interior Design. She currently plays an integral part of the Sponsored Research Administration department as a Gateway SRA Technician Team member. Gaby handles many tasks, including being in charge of filing all the sponsor email notices about award reporting, handling all of the final steps in our overall fund closeout process and taking care of the on-campus mail runs.

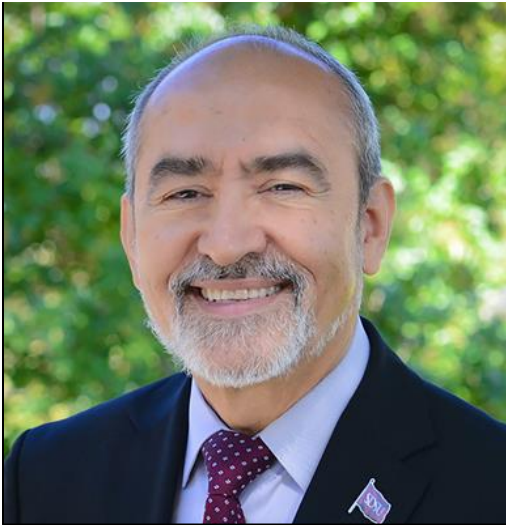
Congratulations to our dedicated staff whose experience and longevity make them valued partners in supporting SDSU research. 2017 Staff Awardees:



Congratulations to our valuable team members who retired in 2017-18. Their years of service are much appreciated: Renee Daniels (EO), Terri Owens (SRA), Caren Johnson (Facilities), Ann Billing (HR), James Lancaster (Facilities), Sharon Gorevitz (KPBS), Roland Stein (KPBS), and Kenny Goldberg (KPBS).

IN MEMORIAM

Dr. Morteza “Monte” Mehrabadi
July 11, 1947 - March 13, 2018



Dean, College of Engineering, professor,
principal investigator, friend and
supporter of SDSU Research Foundation

Dr. Albert W. Johnson, Jr.
July 29, 1926 – September 23, 2017



Professor, Dean, College of Sciences,
and Vice President of Academic Affairs
(retired from SDSU in 1991)



SAN DIEGO STATE
UNIVERSITY

Research Foundation

5250 Campanile Drive
San Diego, California 92182-1930
(619) 594-4635
www.foundation.sdsu.edu