OFFICE OF RESEARCH AND SPONSORED PROJECTS

Cal State Fullerton

ANNUAL REPORT 2021-22

CONTENTS

Our Mission

The Office of Research and Sponsored Projects (ORSP) works with other units throughout the campus to seek external support for faculty research, creative activity, and institutional projects that support the educational and service mission of the university. Collaboration is sought across disciplines, departments, and community partners in preparing proposals to federal, state, and private agencies.

Strategic Plan

ORSP Strategy

1.1 Support the development and expansion of High Impact Practices (HIPs) with the focus of strengthening faculty professional development in research, scholarship and creative activities.
1.2 Conduct an inventory of undergraduate research or other faculty-student mentoring opportunities and develop a model to consistently promote this experience across majors.
1.3 Explore and pursue funding opportunities that encourage and support student employment, internships and professional development.
1.4 Identify, strengthen and support inter-disciplinary or trans-disciplinary research, scholarship or creative activities.
3.1 Identify ORSP staffing needs and explore creative models to increase support capacities at the department and college level.
3.2 Provide and support professional development opportunities for faculty and staff that aim at developing their competencies in understanding and supporting the success of CSUF's diverse community.
4.1 Identify goals for research and scholarly activity and explore models that encourage faculty pursuit of extramural funding.
4.2 Collaborate with campus partners to develop a sustainable self-support activity and revenue model.

Related CSUF Goals

1. Provides a transformative educational experience and environment for all students.
3. Recruit and retain a high-quality and diverse faculty and staff.
4. Expand and strengthen our financial and physical capacity.

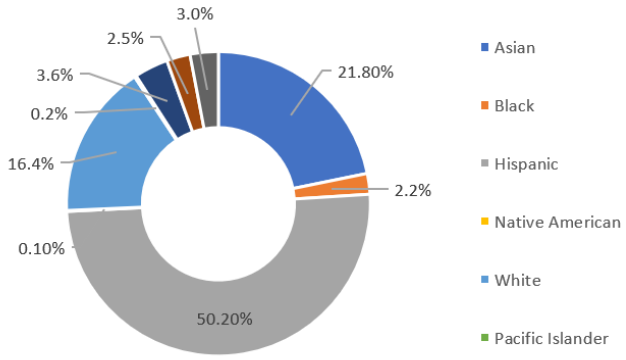
Related CSUF Strategy

1.3 Scale and institutionalize culturally responsive curricular/cocurricular High Impact Practices (HIPs).
1.8 Increase on-campus student employment, internships, and development opportunities.
1.9 Expand faculty-student mentoring opportunities, particularly during last year of the undergraduate experience.
3.1 Conduct campus climate surveys and aggregate data on a regular basis. Report findings to the campus community.
3.8 Diversify and grow opportunities to promote faculty teaching, scholarly and creative activities, and support services to enhance the professional lives of faculty.
4.10 Define an overall university goal for revenue from self-support/entrepreneurial activities.
4.11 Develop appropriate financial models and business plans in each self- support/entrepreneurial program to realize net revenue targets.

CSUF Institutional Overview

Student Enrollment

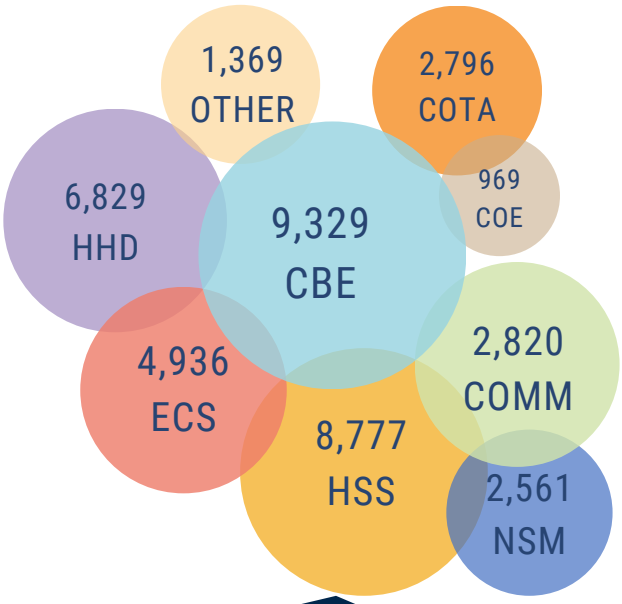
Fall 2022 State and Self - Support



Accredited by the **WASC** Senior College and University Commission (**WSCUC**) & designated as an **Hispanic-Serving Institution (HSI) and Asian African American, Native American, and Pacific Islander Serving Institute (AANAPISI)**

Number of Students Enrolled by College

Fall 2022 State and Self - Support

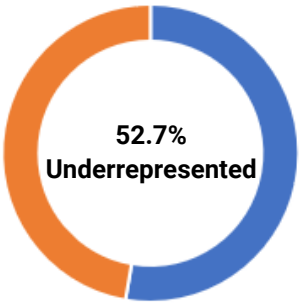


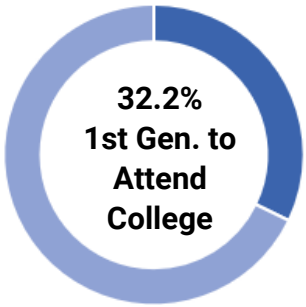
40,386
Total Number of Students

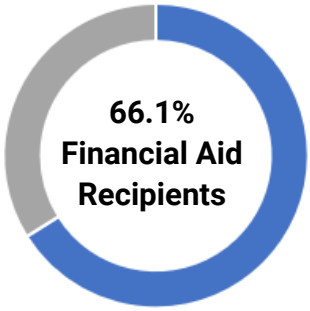
35,239
Undergraduate Students

5,147
Graduate Students, Post-Bac & Other Students

Statistical Highlights





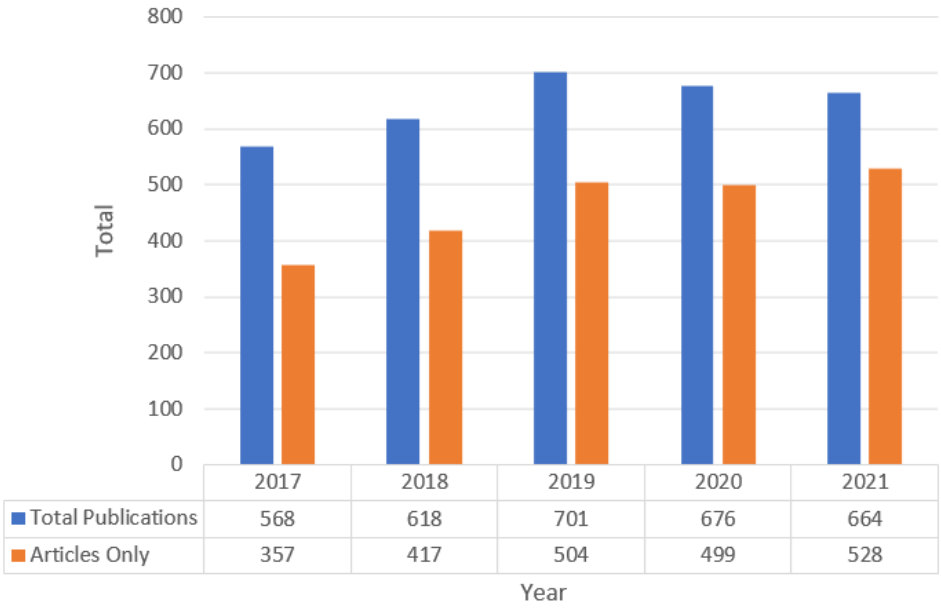


3 CSUF ranks No.3 in the nation for bachelor's degrees earned by Hispanic students; Underrepresented students

Publication Record

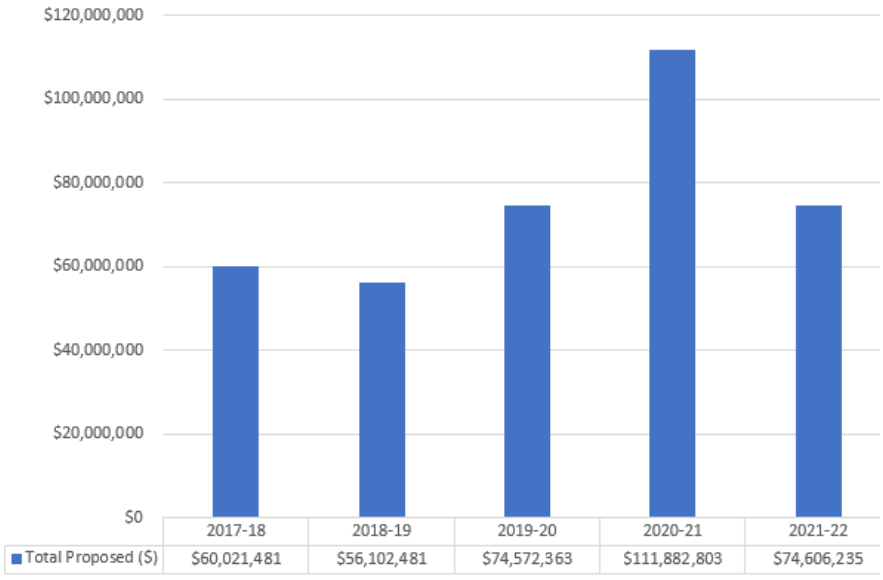
CSU Fullerton produced a total of **664** Web of Science™ indexed publications in Calendar Year 2021, **one of the highest among the CSU campuses**. In the past 5 years, CSU Fullerton contributed a total of 3,227 Web of Science™ indexed publications*.

5-Years CSUF Publication Record

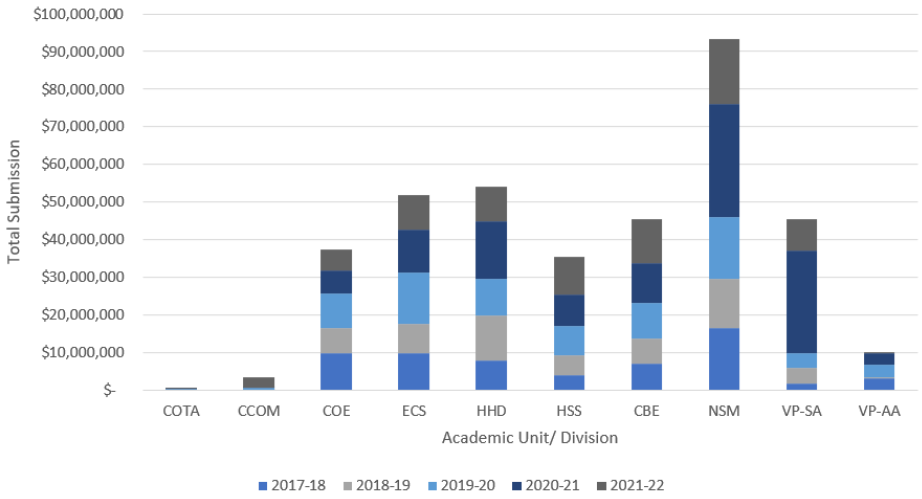


2021-2022 Extramural Grant Submissions

5-Year Submission by Fiscal Year



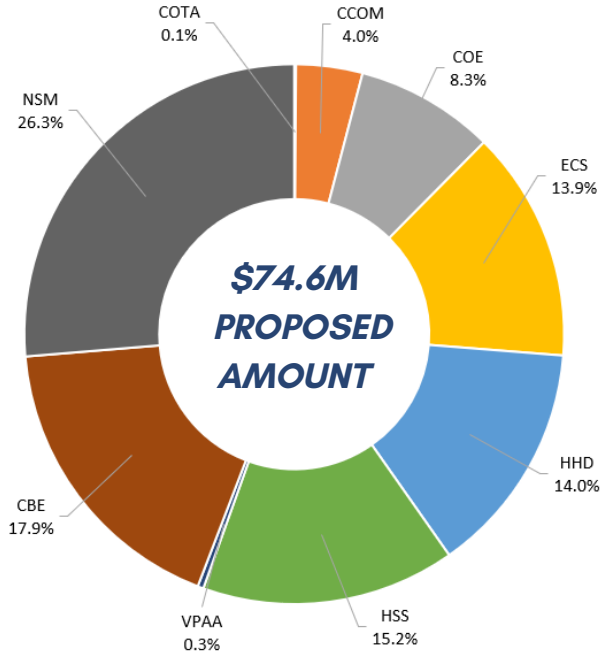
5-Year Submission Trend by College/Division



COTA	College of the Arts	**HHD**	College of Health and Human Development
CCOM	College of Communication	**CBE**	College of Business and Economics
ECS	College of Engineering and Computer Science	**NSM**	College of Natural Sciences and Mathematics
COE	College of Education	**VPAA**	Academic Affairs Units
HSS	College of Humanities and Social Sciences	**VPSA**	Students Affairs Units

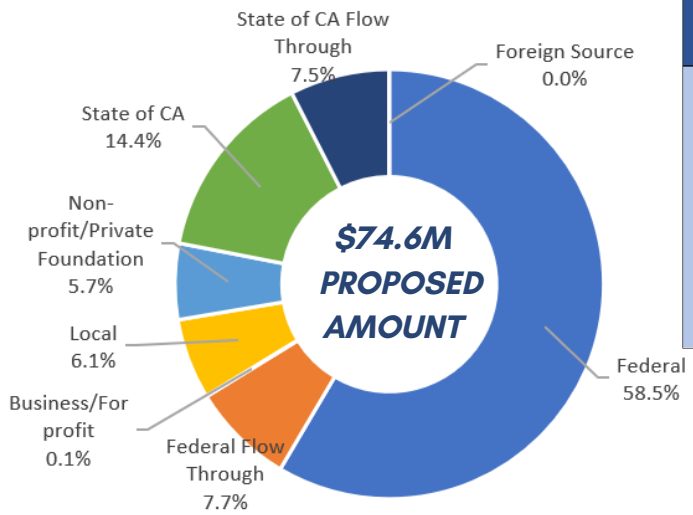
2021-2022 Submission Snapshot

2021-2022 Submissions by College/ Division



College	Proposed
COTA	$ 69,843
CCOM	$ 2,633,820
COE	$ 5,514,500
ECS	$ 9,172,044
HHD	$ 9,271,243
HSS	$ 10,071,302
CBE	$ 11,826,282
NSM	$ 17,428,158
VPSA	$ 8,387,617
VPAA	$ 231,426

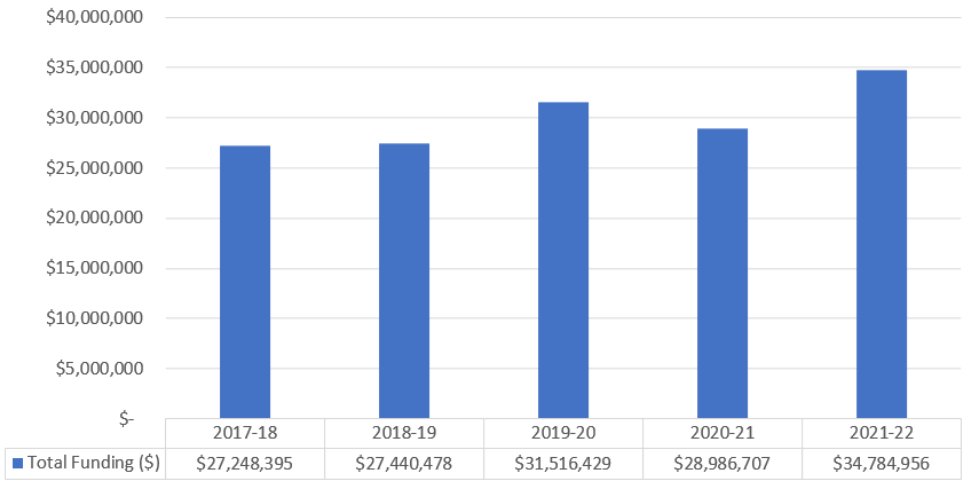
2021-2022 Submissions by Sponsor



SPONSOR	PROPOSED
Federal	$ 43,639,608
Federal Flow Through	$ 5,775,416
Business/For profit	$ 41,439
Local	$ 4,514,255
Non-profit/Private Foundation	$ 4,270,935
State of CA	$ 10,756,043
State of CA Flow Through	$ 5,593,009
Foreign Source	$ 15,530

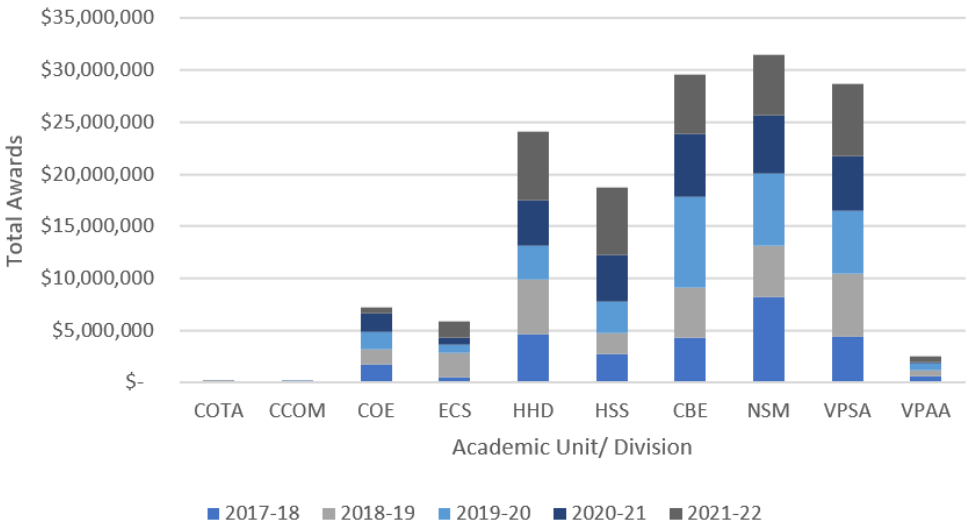
2021-2022 Extramural Grant Awards

5-Year Awards by Fiscal Year



	2017-18	2018-19	2019-20	2020-21	2021-22
Total Funding ($)	$27,248,395	$27,440,478	$31,516,429	$28,986,707	$34,784,956

5-Year Awards Trend By College/Division



152

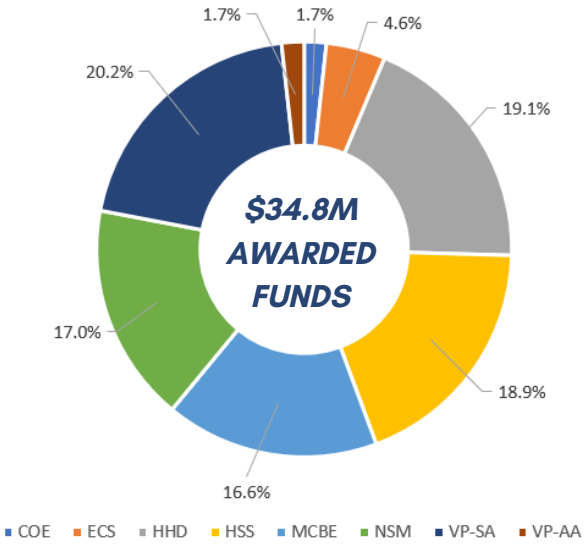
NUMBER OF AWARDS IN 2021-2022

$35M

TOTAL AMOUNT AWARDED IN 2021-2022

Awards by College/Division

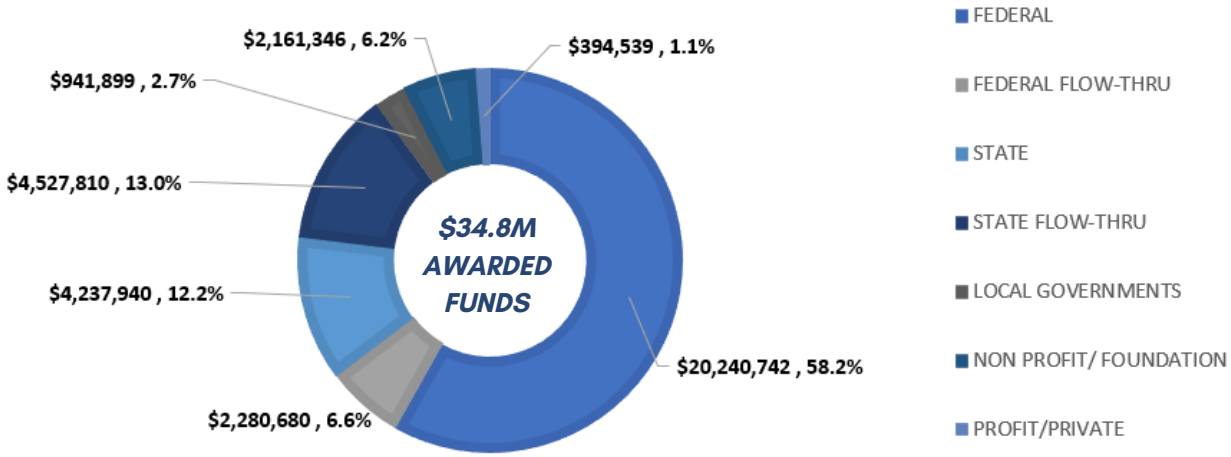
Awarded $ by College/Division



150 TOTAL AWARDS

COLLEGE	AWARDS COUNT	AWARDS
COTA	1	$ 13,654
CCOM	0	$ 0
COE	6	$ 589,207
ECS	8	$ 1,583,386
HHD	18	$ 6,550,574
HSS	44	$ 6,473,606
CBE	7	$ 5,697,887
NSM	46	$ 5,831,285
VPSA	18	$ 6,938,058
VPAA	2	$ 598,675

Awards by Sponsor Type

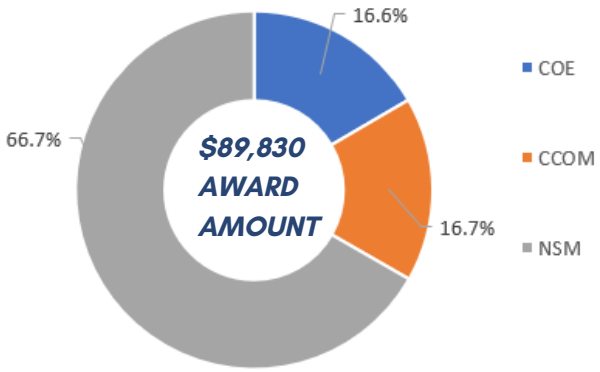


2021-22 Intramural Grants

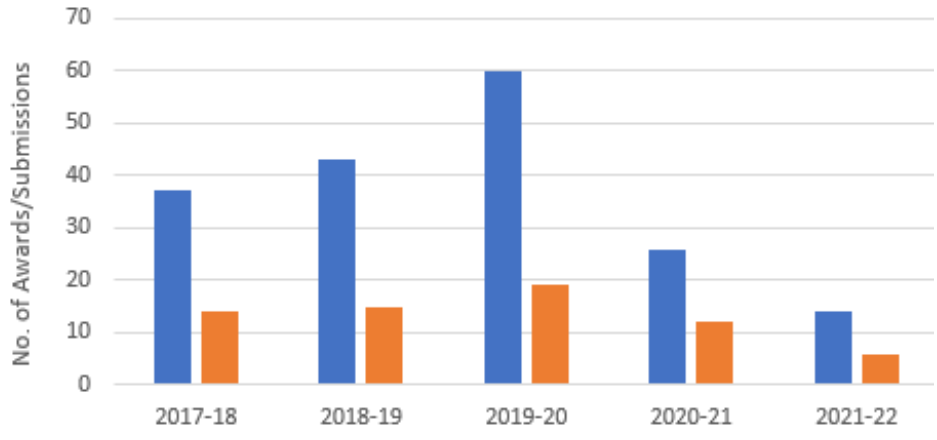
The Office of Research and Sponsored Projects through the Faculty Research Committee (FRC), supports faculty scholarship with competitive intramural funding intended to stimulate and support faculty research and creative activities, and to assist faculty in successful competition for external funding. This support takes the form of two awards: ***Research Scholarship and Creative Activity Incentive (RSCA) grants*** which provide up to $15,000 per award, and ***Junior/Senior Intramural grants*** which provide up to $5,000 or reassigned time (3 Weighted Teaching Units).

FY 2021-22 RSCA Incentive Grants Awards

COLLEGE	# OF AWARDS	AWARD AMOUNT ($)
COE	1	$14,915
CCOM	1	$14,975
NSM	4	$59,940



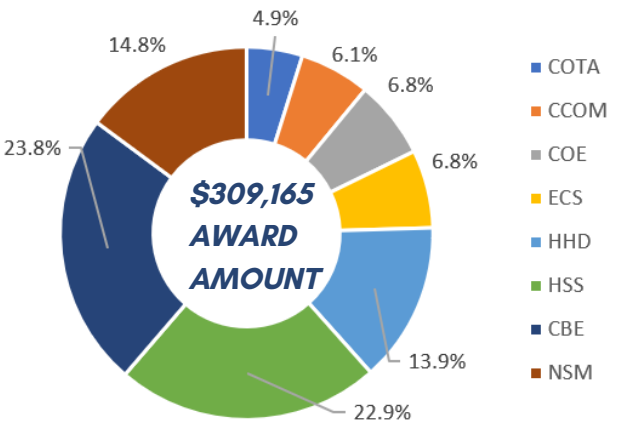
5-Year RSCA Incentive Grants Awards



	2017-18	2018-19	2019-20	2020-21	2021-22
Applicants	37	43	60	26	14
Awardees	14	15	19	12	6

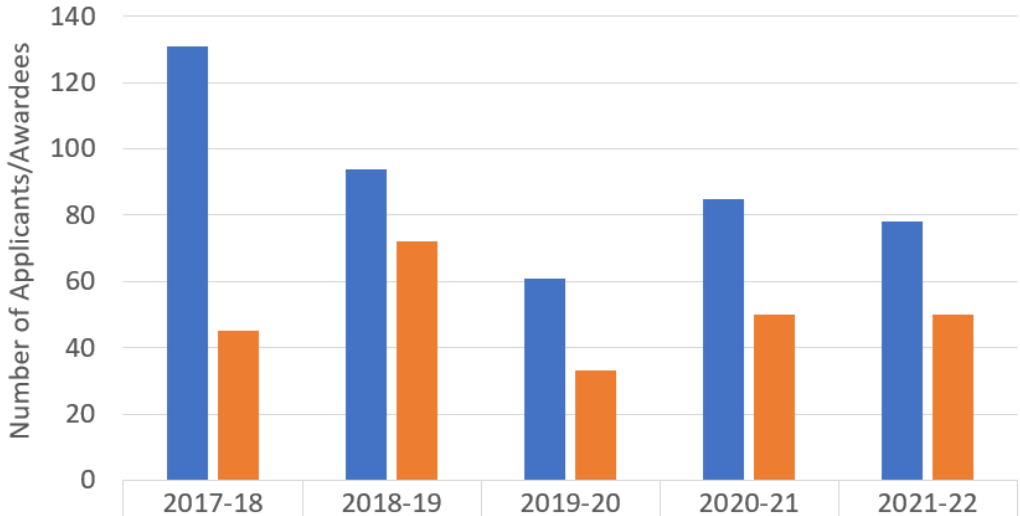
IN 5 YEARS
66 Awards

FY 2021-22 Junior/Senior Intramural Grant Awards



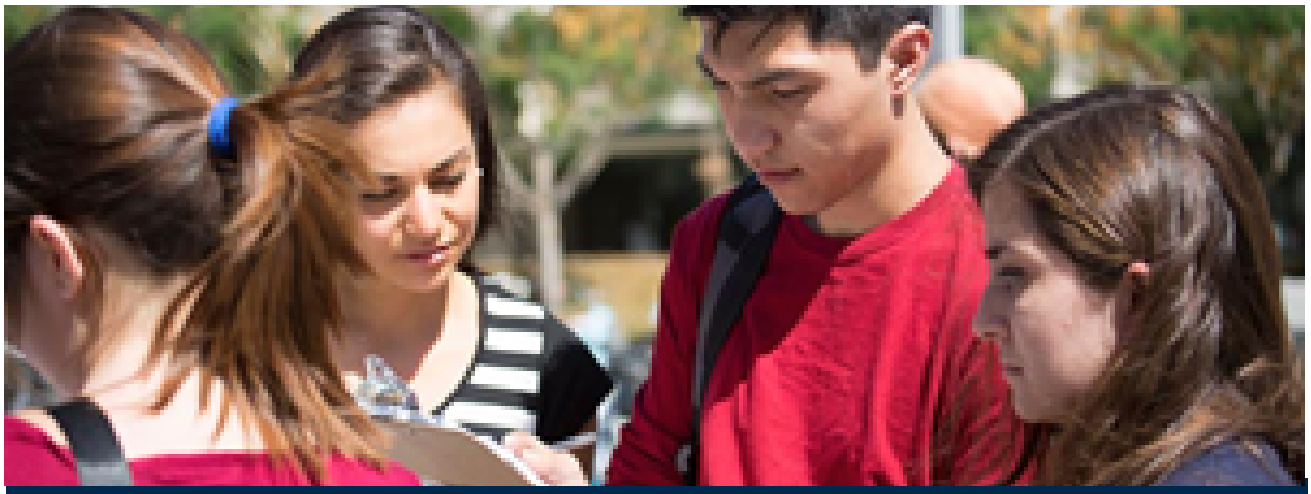
COLLEGE	# OF AWARDS	AWARD AMOUNT ($)
COTA	3	$15,000
CCOM	3	$18,956
COE	3	$20,934
ECS	3	$20,934
HHD	7	$42,912
HSS	8	$70,825
CBE	12	$73,701
NSM	8	$45,903

5-Year Junior/Senior Intramural Grant Awards



	2017-18	2018-19	2019-20	2020-21	2021-22
Applicants	131	94	61	85	78
Awardees	45	72	33	50	50

IN 5 YEARS
250 Awards

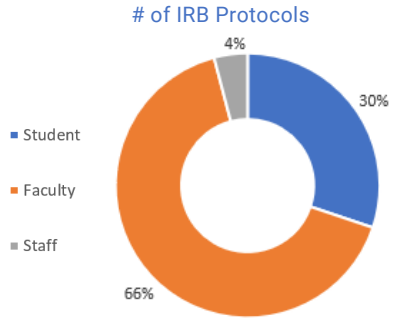


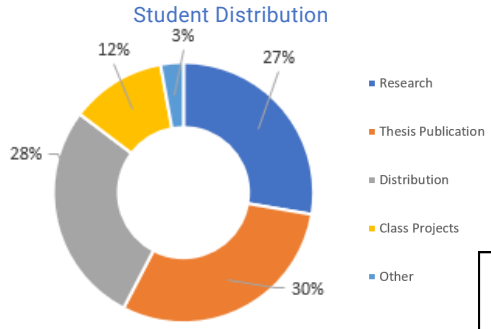
Research Compliance

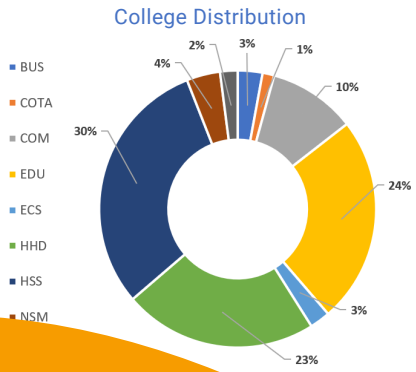
The Compliance Office is tasked with ensuring that research at CSUF is conducted safely, ethically and legally. The Office facilitates the meeting of this goal by coordinating the University's Institutional Review Board (IRB), Institutional Animal Care and Use Committee (IACUC), and programs for Responsible Conduct of Research (RCR).

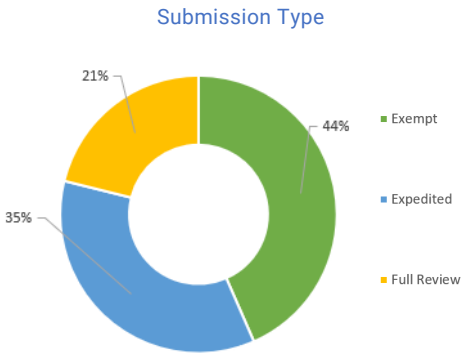
Protocols Reviewed/Approved* for FY 2021-2022

IRB Protocols





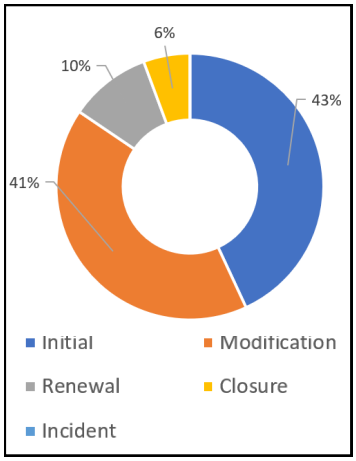




Total Protocols

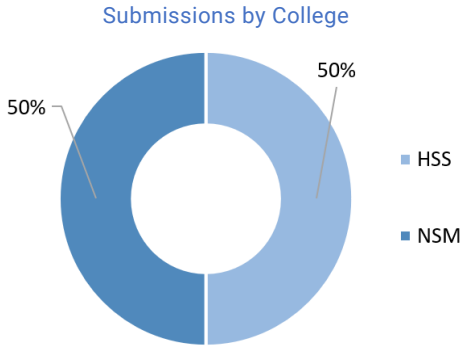
IRB	587

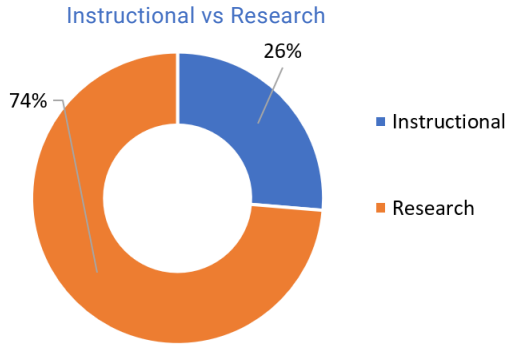
IRB Protocols

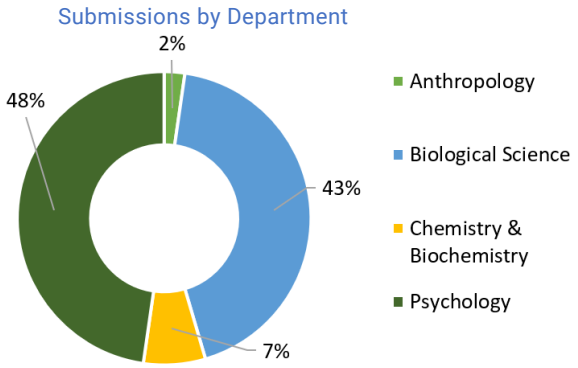


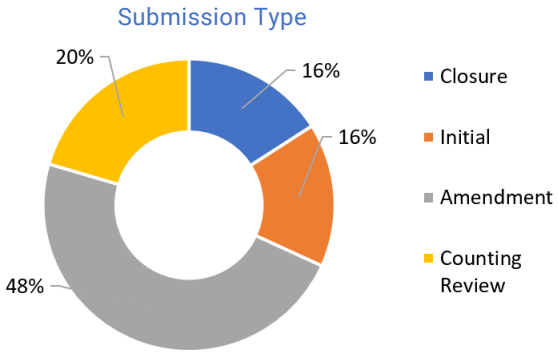
*The number of IRB protocols listed above consists of all Initial, Modification and Renewal notices submitted to the Compliance Office for review. Some protocols may have been submitted more than once during the fiscal year for review. There is a total of 415 distinct studies.

Institutional Care Animal Use Committee (IACUC)

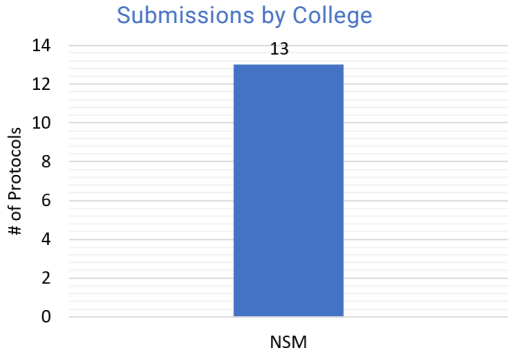


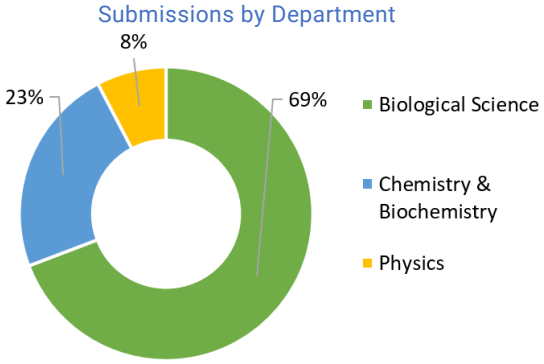


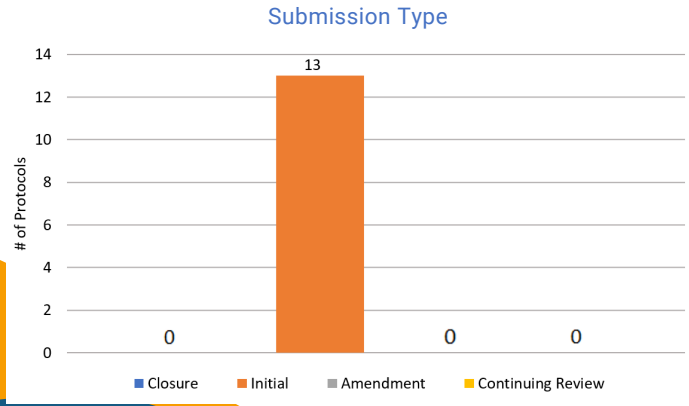




Institutional Biosafety Committee (IBC)







Faculty Scholarly Publication Services

In 2020, the Office of Research and Sponsored Projects named Dr. Carrie Lane the Inaugural Scholarly Publication Faculty Fellow (SPFF). Dr. Lane, a Professor of American Studies, whose interdisciplinary research spans the humanities, social sciences, and business, is an experienced author and editor who earned her PhD from Yale University and BA from Princeton University. The SPFF role was created to continue and expand CSUF's excellent record of publishing high-quality, peer-reviewed scholarship. The SPFF works with faculty across the university to revise article manuscripts for submission or resubmission to peer-reviewed academic journals. SPFF support includes: providing feedback on readability, organization, and technical issues (grammar, punctuation, etc.); revising manuscripts to adhere to journal style guide and maximum word or page lengths; and guiding and supporting scholars through the peer review process. In the year 2021-22 as SPFF, Dr. Lane worked on 57 manuscripts with 50 faculty representing 29 different departments across seven of CSUF's eight colleges. The majority of those faculty were assistant (26) or associate professors (12) preparing publications to support their application for tenure and promotion. Of the faculty Dr. Lane worked with, 74% (37) were faculty of color, 76% (38) were female-identified, and 56% (28) were female faculty of color. Most of those manuscripts are still under review at leading peer-reviewed journals, but 11 of the articles on which Dr. Lane consulted have already been accepted for publication or published. "It's been a pleasure," Lane says, "to read and engage with the research of talented faculty across our campus. I'm grateful for the opportunity to play even a small part in helping to bring their work to publication." In future semesters, the SPFF will continue supporting faculty across the university in achieving their publication goals. Through targeted outreach to department chairs, new faculty, and those approaching tenure or promotion reviews, the ORSP hopes to provide the SPFF's services and support to even more scholars across the university. The ORSP also plans to regularly survey faculty who have worked with the SPFF to identify areas for improvement and expansion.

Student Researchers Win Multiple Awards at CSU Student Research Competition

Source: *CSUF News*

High-speed machining, manta rays and active matter were among the topics Cal State Fullerton student researchers presented at the 36th annual California State University Student Research Competition.

Hosted virtually last month by San Francisco State University, the annual competition features top undergraduate and graduate scholarly research throughout the 23 CSU campuses. Eight CSUF students were recognized as finalists. Out of those eight, two students won first-place awards and two won second-place awards.

"Participating in the Student Research Competition is no joke – it's hard work," said Terri Patchen, professor of elementary and bilingual education and faculty fellow for Student Creative Activities and Research. "But the rewards are immeasurable; student confidence, presentation clarity, and communication skills increase — and their understanding of their work deepens tremendously."

Students were required to submit a prerecorded eight-minute research presentation and respond to juror and audience questions during a live virtual session.

CSUF Student Research Competition Winners

Student: *Azeem Horani, undergraduate, biochemistry*

Project title: *"Identification and Characterization of Nuclear Export Sequences in Polypyrimidine Tract Binding Protein 1"*

First Place: Biological and Agricultural Sciences – Undergraduate

Faculty mentor: Niroshika Keppetipola, associate professor of chemistry and biochemistry

Description of student: Horani is a fourth-year undergraduate majoring in biochemistry. Horani plans to earn a master's degree in biochemistry before pursuing a doctorate to teach university students.

Research focus: He is studying polypyrimidine tract binding protein 1 (PTBP1), responsible for regulating mRNA. The researchers want to better understand how PTBP1 transports from the cell's nucleus to the cell's cytoplasm and vice versa. A previous study showed that when a specific region of PTBP1 is deleted (RNA recognition motif 2), it traps PTBP1 in the nucleus, unable to enter the cytoplasm. The researchers suspected that particular sequences within the RRM2 were responsible for cellular localization.

Why this research is important: Keppetipola's research lab focuses on studying RNA binding proteins involved in the central dogma of biology. It works to regulate the lives of every living organism. A better understanding of this process can help lead to treatments for countless diseases and ailments. The polypyrimidine tract binding proteins they are studying are also involved in neurological development. The research could eventually be applied to treat neurodegenerative diseases like Alzheimer's disease, frontotemporal dementia, Parkinson's disease and more.

Student: Mauricio Gomez Lopez, undergraduate, physics and mathematics

Project title: *"Studying the Material Properties of an Active Suspension of Swimming Bacteria"*

Project title: *"Studying the Material Properties of an Active Suspension of Swimming Bacteria"*

First Place: *Physical and Mathematical Sciences – Undergraduate*

Faculty mentor: *Wylie Ahmed, associate professor of physics*

Description of student: *Gomez Lopez, a native of Mexico and a member of the "Dreamers" – a group of young immigrants brought into the U.S. as children and protected from deportation under the Deferred Action for Childhood Arrivals program – is a graduating senior double majoring in physics and mathematics. After graduating, he will enter Cal State Fullerton's graduate physics program this fall. His goal is to pursue a doctorate in physics.*

Research focus: *This research aims to understand how active matter, an interdisciplinary field that studies the complex interactions between moving interacting objects, violates several assumptions about energy flow in the area of thermodynamics. This could lead to the eventual creation of living material used in self-repairing roads, batteries powered by swimming bacteria or microbots for targeted drug delivery.*

Project title: *Why this research is important: Studying active matter like bacterial movement can lead to engineering microscopic robots capable of moving themselves and fitting into roles such as targeted drug delivery. Additionally, the research found that E.coli suspension can transfer energy, making it a viable energy source.*

Student: *Mehrshad Mazaheri, graduate, mechanical engineering*

Project title: *"High-Speed Machining of 2219 Aluminum Utilizing Nanoparticle-Enhanced MQL Lubrication"*

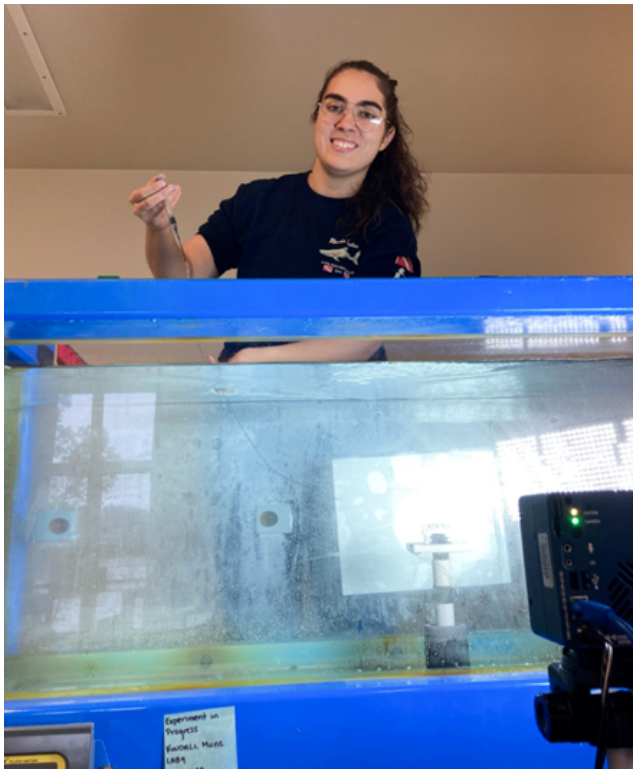
Second Place: *Engineering and Computer Science*

Faculty mentor: *Sagil James, associate professor of mechanical engineering*
Description of student: Mazaheri is a graduate student in mechanical engineering who will earn a master's degree in May 2022. Mazaheri's goal is to land an engineering position before pursuing a doctorate degree.

Research focus: *His research investigates the surface finish roughness of the workpiece and the heat generated during the high-speed cutting process when nanoparticle lubricant was used. These two parameters were also evaluated under different nanoparticle concentration lubricants utilizing the minimum quantity lubricant (MQL) technique.*

Why this research is important: *This research investigates aluminum for space applications. Although there are challenges with machining the alloy, it offers superior benefits for space applications. Researching an innovative solution can also address the environmental impact of the coolant while saving coolant costs, allowing it to become immediately adopted by the industry.*

Student: *Julia Teeple, undergraduate, ecology and evolution*



Project title: *"Analyzing Flow Using Accurate Manta Anatomy"*

Second Place: *Biological and Agricultural Sciences – Undergraduate*

Faculty mentor: *Misty Paig-Tran, associate professor of biological science*

Description of student: *Teeple is a 2021 biological science graduate who studied ecology and evolution. She plans to continue research with Paig-Tran and pursue a master's degree in biology at CSUF.*

Research focus: *The Paig-Tran lab used simplistic physical models based on generalized mobula filter anatomy to investigate how a manta ray's leaf-like filter works. This initial study suggests that mobula filters operate through a unique solid-fluid separation mechanism, now known as ricochet separation. This early investigation looked at how this non-clogging filter may be functioning.*

Why this research is important: *Through evolution, many plants and animals have developed some incredible adaptations to different situations. This study presents the first detailed visual records of morphological variation between mobula filter structures using CT scans. These CT scans were used to create biologically accurate physical models of mobula filters to investigate flow regimes that dictate filtration performance. Understanding how animals function has the potential to inspire human-engineered systems with natural-occurring systems*

CAL STATE FULLERTON STUDENTS WHO WERE FINALISTS AT THE 2022 CSU STUDENT RESEARCH COMPETITION ARE:

Chelsea Bowers-Doerning, graduate, biology

Project title: *"You Are What You Eat: Pacific Sardines Ingesting and Assimilating Microplastics"*

Faculty mentor: *Misty Paig-Tran, associate professor of biological science*
Erica Therese Esteban, undergraduate, biochemistry

Project title: *"Analysis of Cu2−xZnxP2O7 in Projection Towards Negative Thermal Expansion"*

Faculty mentor: *Joya Cooley, assistant professor of inorganic chemistry and biochemistry Rachel Altman, graduate, biology*
Project title: "How HSPA1A, a Stress-Inducible 70-kDa Heat Shock Protein, Travels to the Cell Surface of Stressed and Cancer Cells"

Faculty mentor: *Nikolas Nikolaidis, professor of biological science*
Shailesh Rajput, graduate, computer engineering

Project title: *"Handwritten Digit Recognition Using Convolution Neural Networks"*

Faculty mentor: *Yoonsuk Choi, associate professor of computer engineering*

Posters on the Hill

CSUF Students to Represent California at 'Posters on the Hill'

Source: *CSUF News*

Two students at Cal State Fullerton will represent California at Posters on the Hill, an annual event designed to ensure members of Congress clearly understand the importance of undergraduate research and the educational programs for which they provide funding.

The Council on Undergraduate Research (CUR) chose seniors Mauricio Gomez Lopez and Ramzieh Kanaan as two of 88 undergraduates from across the nation to participate in the event, which will take place virtually April 26 and 27.

Students who wish to participate in Posters on the Hill submit abstracts describing their research in any of CUR's divisions, said Terri Patchen, faculty fellow for CSUF Student Creative Activities and Research. The divisions include arts and humanities, biology, chemistry, engineering, geosciences, health sciences, mathematics/computer science, physics/astronomy, psychology and social sciences.

"Few things demonstrate the value of undergraduate research more effectively than the words and stories of the student participants themselves," Patchen said.

Physics major Gomez Lopez worked with his mentor, Dr. Wylie Ahmed, to present his research poster, "Studying Living Materials for Next-Generation Applications."

Exposed to active matter during his freshman year, Gomez Lopez was fascinated with its collective dynamics at various sizes, from a flock of geese to swarms of bacteria. His research delves into the essence of what makes living matter special and its potential to create a new class of functional materials to address societal challenges.

"After some time, I learned that there is an overlap between this field and cancer research," Gomez Lopez said. "My grandfather, an advocate of my studies, died due to cancer my sophomore year. This really motivated me to study these collective behaviors and is a reason as to why it is so important to me."

After taking a soil mechanics course with her mentor, Dr. Xenia Wirth, civil and environmental engineering major Kanaan said she felt encouraged to pursue geotechnical research and gain more practical experience with geotechnical materials and tests.

Her presentation, "Geotechnical Properties of Ashes and Soils Exposed to Wildfires," explores the engineering behaviors of ash and burned soils to pinpoint which communities near burned hillsides are at risk of experiencing a landslide after a wildfire.

"California wildfires pose a huge threat to the communities affected every year or season," Kanaan said. "Doing research is important to me because it makes me feel like I can make a good impact on the environment, even if it's a small change."

The CSUF Office of Research and Sponsored Projects (ORSP) encourages students to participate in Posters on the Hill by reimbursing student registration fees for those selected. Titans represented CSUF in the event in 2015, 2016, 2017 and 2020, said Dr. Binod Tiwari, associate vice president for ORSP.

"This is the fifth year CSUF undergraduates have been invited to this prestigious event, and it's imperative – now more than ever – that their voices are heard on Capitol Hill," Tiwari said.

Provost and Vice President for Academic Affairs Dr. Carolyn Thomas said she is thrilled to see two Titans selected to showcase their work in such a public forum.

"The CUR's mission is to advocate for undergraduate research at the federal level, and Posters on the Hill is a main stage for that advocacy," Thomas said. "With their selection, our students are being celebrated for their impressive work. They're also getting a chance to communicate their findings to lawmakers who can take action. What a fantastic opportunity to make a difference for our Titans!"

Southern California Conference on Undergraduate Research (SCCUR)

Ninety-seven CSUF undergraduates, mentored by 42 CSUF faculty members, presented their work on either oral or poster sessions at the 2021 Southern California Conference on Undergraduate Research (SCCUR) hosted, virtually, by CSU San Bernardino in November 2021. This was the record high attendance from CSUF except the event we hosted in 2014. ORSP supported registration fee for CSUF students.

National Conference on Undergraduate Research (NCUR)

Sixteen CSUF undergraduate students presented their research/creative works at the 2022 National Conference for Undergraduate Research (NCUR) organized by the Council for Undergraduate Research (CUR)m, virtually, from April 4-8, 2022. ORSP supported registration fee for CSUF students.

Student Creative Activities and Research (SCAR) Day

Students across the campus presented 66 posters at the [virtual] 2022 SCAR days event organized by ORSP.

Summer Undergraduate Research Academy (SUReA)

Forty-two undergraduate students had been engaged with 29 faculty mentors across campus in the [funded] faculty mentored research and creative activities projects under the second cohort of the Summer Undergraduate Research Academy (SUReA) project that took place from June 6 through August 5, 2022. Students presented their research work at the SUReA Symposium on August 5. Student participants and their faculty mentors are listed below.

Faculty	Department	College	Students(s)
Alice Lee	Public Health	Health and Human Development	Heather Franson
Alison Marzocchi	Mathematics	Natural Sciences and Mathematics	Cedar HofstetterOlga Luna Flores
Allyson Fry-Petit	Chemistry and Biochemistry	Natural Sciences and Mathematics	Luis Hernandez Lopez
Andrew Petit	Chemistry and Biochemistry	Natural Sciences and Mathematics	Mark CruzCeline Diep
Angela-MinhTu Nguyen	Psychology	Humanities and Social Sciences	Kathy Tran
Bill Hoese	Biological Science	Natural Sciences and Mathematics	Megan Peukert
Daniela Rubin	Kinesiology	Health and Human Development	Vincent VuongAlberto Garcia
Devon Thacker Thomas	Sociology	Humanities and Social Sciences	Jen Laughter
Guadalupe Diaz Lara	Child and Adolescent Studies	Health and Human Development	Alondra Cervantes
Hope Johnson	Biological Science	Natural Sciences and Mathematics	Alyssa Ng
Joshua Yang	Public Health	Health and Human Development	Kristen Ojeda
Joya Cooley	Chemistry & Biochemistry	Natural Sciences and Mathematics	Garrett Mahler
JR Norman Luker	Theatre/Dance	Arts	Brienne ThurberThomas Keenan
Margie Brown-Coronel	History	Humanities and Social Sciences	Hattie Alcala
Maria Ramirez	Biological Science	Natural Sciences and Mathematics	Nardin Georgeos Vyanka Mezcord
Mario Obando	Chicana/o Studies	Humanities and Social Sciences	Vanessa WashingtonAllyson Blanco
Mary Pomonis	Visual Arts	Arts	Matthew GonzalezKimberly Ruiz

Faculty	Department	College	Students(s)
Matthew Kirby	Geological Sciences	Natural Sciences and Mathematics	Ashley Hansen
Michael Groves	Chemistry and Biochemistry	Natural Sciences and Mathematics	Anjohny Pham
Natsuki Atagi	Child and Adolescent Studies	Health and Human Development	Rebekah Caldona
Niroshika Monerawila Keppetipola	Chemistry and Biochemistry	Natural Sciences and Mathematics	Azeem HoraniAbigail (Abby) Anastasi
Parvin Shahrestani	Biological Science	Natural Sciences and Mathematics	Kathy ThienMelissa Fernandez
Rakeshkumar Mahto	Computer Engineering Program	Engineering and Computer Science	Peter TranWoo Kim
Russ Espinoza	Psychology	Humanities and Social Sciences	Juan Linares
Sagil James	Mechanical Engineering	Engineering and Computer Science	Levant HoMark Rangel
Salvador Mayoral	Mechanical Engineering	Engineering and Computer Science	Erica JiangJustin Diamond
Stevan Pecic	Chemistry and Biochemistry	Natural Sciences and Mathematics	Jasmine Chi
Tara Suwinyattichaiporn	Human Communication Studies	Communications	Amy Vanessa GarciaZachary Bucci
Ying-Chiao Tsao	Communication Sciences and Disorders	Communications	Destinee Marie Rodriguez

2022 Outstanding Student Scholarly and Creative Activities (OSA) Awards

ORSP supports student research and creative activities through the Outstanding Student Scholarly and Creative Activities Award (OSA). Each year the award is presented to one undergraduate and graduate student per college. All current CSUF students are eligible and faculty may nominate one student. The purpose of this award is to recognize excellence in student research or creative activities participation. In the 2021 Outstanding Student Scholarly and Creative Activities Awards (OSA) 14 students were chosen as award recipients.

2022 Outstanding Student Scholarly and Creative Activities Award (OSA) Winners

CBE - College of Business and Economics	
John Gomez	Undergraduate
Kayvan Harirchi	Graduate
COE - College of Education	
Erin Lion DeRosa	Doctorate
COM - College of Communications	
Joshua Ayala	Graduate
COTA - College of the Arts	
Mary Vasquez	Undergraduate
Anna Lopez	Graduate
ECS - College of Engineering and Computer Science	
Aaron Nguyen	Undergraduate
Diana Fregoso-Sanchez	Graduate
HHD - College of Health and Human Development	
Mary Storll	Masters
Lisa Castaños	Doctorate
HSS - College of Humanities and Social Sciences	
Gabriel Ponce	Undergraduate
Eric Daniel Cortez	Graduate
NSM - College of Natural Sciences and Mathematics	
Evelyn Pohle	Undergraduate
José Guardado	Graduate

The following students also received the Outstanding student presentation awards at the SCAR Day event.

Undergraduates

Euronymous Fernandez
Gabriel Charles Ponce
Karen Ray Nelson
Miriam Marroquin

Graduates

Bailee Blankmeier
Chelsea Bowers-Doerning
Leeza Yorke
Rou Rouvere

2022 People's Choice Award at SCAR Days Presentation

Kriti Rai Saini

CSUF RESEARCH ENTERPRISE

Office of Research and Sponsored Projects (ORSP) is led by an Associate Vice President (AVP) for Research and Sponsored Projects. Over 35 staff work in five (5) distinct areas to support campus research, scholarship and creative activities.

Office of Research Development (ORD)

ORD assists faculty in identifying funding sources for their research and creative activity; promotes institutional programming and collaborative grant development; and provides guidance, training, and assistance in preparing high quality, competitive proposals.

Office of Grants and Contracts (OGC)

OGC assists with proposal preparation, review, and submission to external funding agencies; ensures compliance with agency requirements; reviews grant awards and serves as lead in the issuance, review, and negotiation of contracts, subcontracts, and related agreements.

Office of Sponsored Programs (OSP)

OSP oversees the post-award administration of grants and contracts awarded to the university through the CSU Fullerton Auxiliary Services Corporation. Services include invoicing and grant accounting, submission of required reports (e.g, effort reporting), maintaining records of compliance, handling audits, and negotiation of the University's indirect cost agreement.

Office of Research Compliance (ORC)

ORC ensures university-wide compliance with federal, state, local, and funding agency policies and regulations that involve research and creative activities, including use of human and animal subjects and policies regarding conflict of interest and responsible conduct of research.

Undergraduate Research Opportunity Center (UROC)

CSUF UROC promotes and expands opportunities for faculty-student research and creative activities that increase student engagement, learning and success; Identifies and provides resources needed to support student scholars and faculty mentors and enhances campus student research climate; Organizes on-campus events including CSU Student Research Competition (SRC) and Student Creative Activities and Research (SCAR) Day; Increases student participation in off- campus student research competitions (SCCUR, NCUR, CUR Posters on the Hill).

Research Enterprise Activities

Monday, April 18th

Time: 12:00 - 1:30 PM — Register

Faculty Proposal Development Seminar

Seminar hosted by Hanover Research & ORSP

Tuesday, April 19th

Time: 2:00 - 3:00 PM — Register

2021 L. Don Shields Excellence in Scholarship & Creativity Award Lecture

Dr. Maria Soledad Ramirez, Associate Professor
Co-sponsored by the Academic Senate & ORSP

Wednesday, April 20th

Time: 10:30 - 11:30 AM — Register

Keynote Speaker

Dr. Ganesh Raman, Assistant Vice Chancellor for Research, CSU

Friday, April 22nd

Time: 2:00 - 4:00 PM — Register

Faculty Research Networking Event

Virtual meet and greet for faculty interested in collaboration. Come learn about ways to establish a strong collaboration from the beginning!

Thursday, April 21st

Time: 12:00 - 1:00 PM — Register

Faculty Panel: Research, Scholarship, and Creative Activities at CSUF: Drawing on the Strengths of Students and the Institution

4-6 faculty from across campus will discuss ways in which faculty can maximize their RSCA

Time: 1:00 - 2:00 PM — Register

Faculty/Staff PI Recognition

Recognition of Principal Investigators who have submitted or been awarded a sponsored project.

Time: 3:00 - 4:30 PM — Register

Titan Grad Slam

This event showcases and celebrates the wide array of excellent research and creative activity taking place at the graduate level.

Monday, April 25th - Friday, May 6th

Student Creative Activities and Research (SCAR) Days & Awards

Virtual asynchronous Student Creative Activities and Research (SCAR) Days highlight undergraduate and graduate student work from all disciplines. Sign up now to view SCAR Days 2022 with your csu.fullerton.edu email.

Friday, May 6th

Time: 3:00 - 4:00 PM

Virtual LIVE Outstanding Student Scholarly and Creative Activity Awards ceremony honors students from across campus. Please attend to celebrate our students successes.

CALIFORNIA STATE UNIVERSITY FULLERTON

For more information, please visit the Research Week Website
If you have any questions, please email orsp@fullerton.edu

CALIFORNIA STATE UNIVERSITY
FULLERTON™

2020-21 L. Don Shields Excellence in Scholarship &Creativity Award Lecture

by: **MARIA SOLEDAD RAMIREZ**

Acinetobacter baumannii, a dangerous threat: the better we know it, the better we fight it

Acinetobacter baumannii presents a serious threat to human health worldwide. We have been exploring different aspects of this pathogen with the final aim to gain knowledge that can assist to the development of novel approaches to control it. Recent work from our laboratory showed that A. baumannii senses components of human fluids and responds by modifying its transcriptional and phenotypic profiles to survive and prevail. In addition, we have been testing combination of inhibitors to find alternatives approaches to treat A. baumannii infections.

Speaker Profile:

Antibiotic-resistance researcher María Soledad Ramírez, associate professor of biological science, focuses on the dissemination and evolution of deadly bacterial pathogens, such as Acinetobacter baumannii. She is co-author of 130 peer-reviewed journal articles and has delivered more than 180 research presentations at scientific meetings. Dr. Ramirez is a recipient of the ICAAC Young Investigator Award from the American Society for Microbiology, and the Titan on the Rise award, the Outstanding Research Award and the L. Donald Shields Excellence in Scholarship and Creativity Award. She earned a doctorate in microbiology from the University of Buenos Aires.

Tuesday, April 20th

2:00 - 3:00 pm

REGISTER NOW


Keynote Speaker:
DR. GANESH RAMAN
CALIFORNIA STATE UNIVERSITY
FULLERTON
Inclusive Research, Scholarship and Creative Activity in the CSU
Dr. Ganesh Raman is Assistant Vice Chancellor for Research at the California State University (CSU) Office of the Chancellor. He is the senior academic official responsible for the enterprise-wide vision, advancement and administration of CSU's research and scholarly mission. He oversees 10 systemwide affinity research groups and numerous multi-campus institutes and centers.
To read more on Dr. Ganesh's profile, visit the Research Week Website.
Dr. Raman will describe the evolution and impact of of research, scholarship and creative activity at the CSU. He will share insights from his own journey, including the role of mentorship in a career that began with 14 years at NASA followed by service in leadership roles in two academic institutions. He will highlight how research at the CSU strongly connects to student success, faculty excellence and the economic development of regions where the campuses are located. The talk will include the CSU system's progress and exciting work at CSU Fullerton in growing extramural funding and stature, as well as future growth possibilities through state and federal funding.
Wednesday, April 20th
10:30 - 11:30 am
JOIN WEBINAR

FACULTY PANEL:

CALIFORNIA STATE UNIVERSITY FULLERTON

Research, Scholarship, and Creative Activities at CSUF:

Drawing on the Strengths of Students and the Institution

Panelists:

Dr. Robert Istad,
Choral-Orchestral Conducting

Dr. Matt Englar-Carlson,
Counseling
MODERATOR

Dr. Sagil James,
Mechanical Engineering

Dr. Portia Jackson Preston,
Public Health

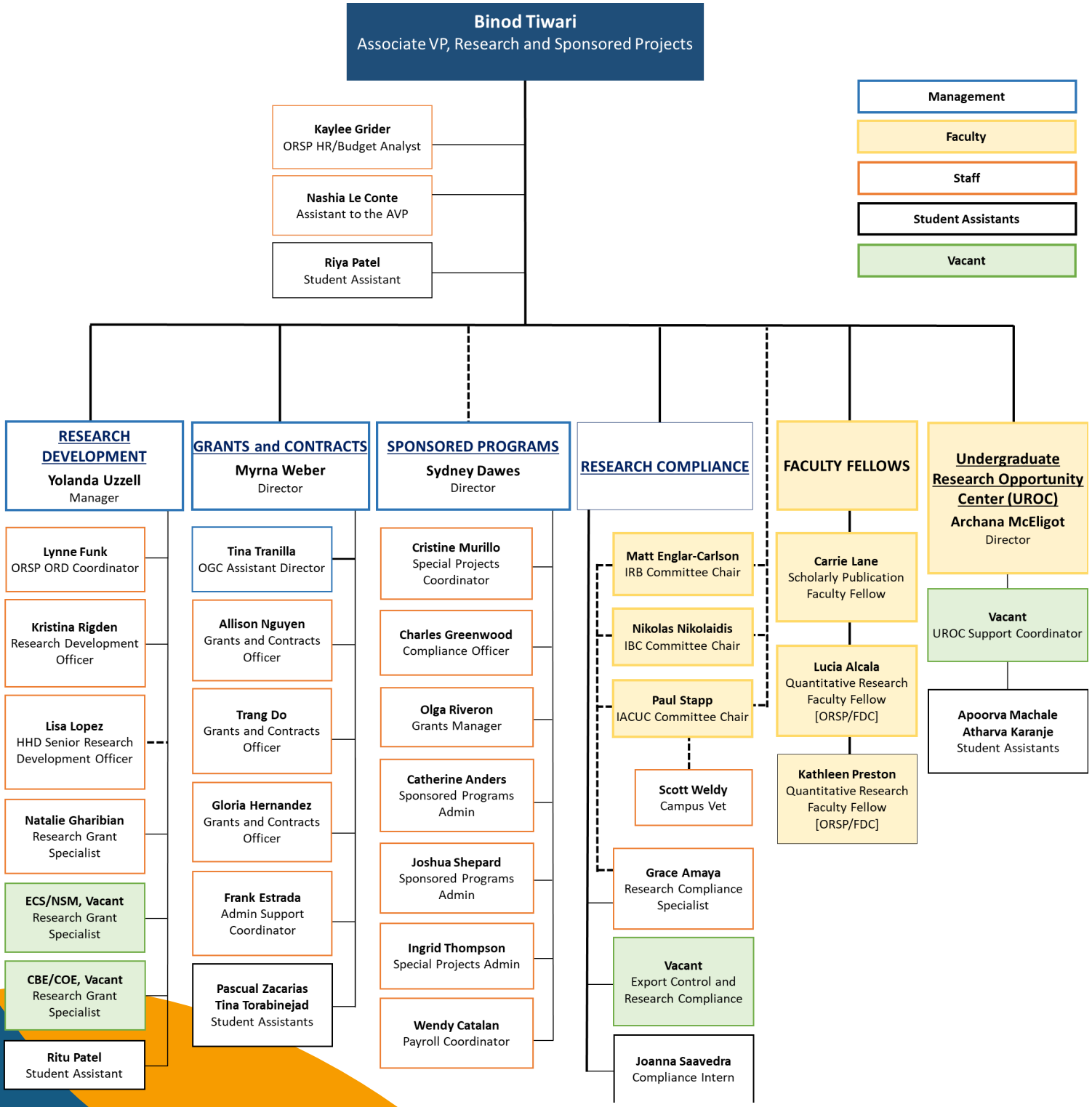
Dr. Zac Johnson,
Human Communication Studies

Thursday, April 21st

12:00 - 1:00 pm

JOIN NOW

Research Enterprise Personnel



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