The numbers and statistics presented in this report are limited to the activity managed by the San José State University Research Foundation and is not representative of the overall research expenditures of the larger institution as there are programs funded directly by the institution or through the Tower Foundation.

The annual report also reflects award activity or gross sponsor commitments recorded in the fiscal year. The audited financial statements reflect fiscal year expenses on sponsored awards. In many cases, expenses are actually lower than the award activity because of multi-year awards, which are recorded in their entirety when received but expended over multiple years.
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The SJSU Research Foundation is a non-profit 501(c)3 California corporation that operates solely for the benefit of San José State University. It is an “auxiliary” of San José State University.

Auxiliary organizations at the California State University (CSU) are non-profit organizations and separate legal entities. They operate pursuant to written operating agreements with the CSU Board of Trustees, have separate governing boards with close connections to a campus and follow all legal and policy rules established by the CSU system and the respective campus administration. Auxiliary organizations were created to perform essential functions associated with a postsecondary educational institution, which under California law were difficult, cumbersome or legally restricted for the university and were not supported by state funding.

The entire team at the SJSU Research Foundation continues to be inspired by the endeavours and accomplishments of SJSU researchers. We are committed to supporting their efforts through our dedication to providing streamlined, robust, and efficient research administration systems and services.
The 2020–21 fiscal year represented yet another period where flexibility, change, and adjustment became a consistent theme for nearly everyone who worked or engaged with the San José State University Research Foundation. In the face of constant change and uncertainty, our mission to support SJSU’s Research, Scholarship, and Creative Activity (RSCA) is what kept us focused and grounded.

Our research-active faculty and student numbers continue to grow as do the number of submitted proposals, which bodes well for the future growth of the SJSU research enterprise and the achievement of our ambitious goals. We continue to modernize our operation, so we can scale our services, support the growth, and be in lockstep with the University’s Transformation 2030 plan.

Our scope of work has also grown to include the administration and management of competitive faculty fellowships, all RSCA-related contractual agreements, and intellectual property matters on behalf of the University. The team has proven its ability to effectively take on these new responsibilities as they mirror many of the existing processes and functions.

As you read through the researcher profiles in this annual report, take note of the commitment and passion these researchers have for such a wide variety of academic areas. Helping them focus on that work with the confidence that they are supported by a group of dedicated professionals is what motivates us to keep improving. We take pride in knowing that our support contributes to the local and global impact of SJSU RSCA in our local and global communities for years to come.

While it is difficult to distill the work of so many into one annual report, we hope you enjoy learning more about the people who make SJSU’s research enterprise what it is.
SJSU Research Foundation numbers or Fiscal Year 2020–21, which ended on June 30th, 2021

229 Awards received valued at more than $49 Million

377 Proposals submitted valued at more than $243 Million (255 faculty)

$47 Million in research expenditures across 457 active projects

190 SJSU Faculty engaged in sponsored research projects, grants, or contracts managed by the Research Foundation

506 SJSU Students engaged in sponsored research projects, grants or contracts managed by the Research Foundation

379 SJSU Project Staff engaged in sponsored research projects, grants or contracts managed by the Research Foundation

$1.4 Million returned to San José State University in indirect revenue and strategic investment to the campus
Research expenditures at SJSU decreased from $50.6M in FY2019-20 to $47.1M in FY2020-21 due to the ongoing impacts of COVID-19 and associated facilities closures. The number of personnel engaged in research increased 13% to 909 in FY2020-21.
Elena Klaw and Andrea Tully

Exploring the Relationship Between Service-Learning and Community Engagement Among Students

Involvement of SJSU students has been substantial: Since CCLL’s inception, 80,000 students have contributed more than 1.4 million hours of service through service-learning courses in partnership with hundreds of community-based organizations that meet critical needs — particularly when it comes to educational equity. For example, some students have mentored elementary school children to help them develop STEM-related skills.

Klaw says the results are a testimony to the power of service-learning.

“We are heartened that our qualitative findings suggest that participation in funded community engaged peer leadership programs create connections that motivate students to remain in college, especially for students, such as veterans, who often feel isolated at SJSU,” Klaw says.

Andrea Tully, assistant director Center for Community Learning & Leadership and Elena Klaw, professor of Psychology and the director of the Center for Community Learning & Leadership

When the state allocated over $1 million annually to expand and institutionalize service-learning at California State University in the year 2000, the SJSU Center for Service Learning, which is housed at the Undergraduate Education Program within Academic Affairs, was born. This funding allowed the Center — now called the Center for Community Learning and Leadership (CCLL) — to pursue research that explores the effects of service-learning and community engagement to college students, alumni, faculty, and community organizations.

Service-learning is defined by the Corporation for National Service as “a pedagogical approach that integrates meaningful service and community involvement with instruction and reflection related to a disciplinary curriculum.” During the course of its research on service-learning, CCLL has looked at the impact service-learning has on students, and found that it leads to numerous positive outcomes, including an increase in academic skills, engagement, leadership, service-related future plans, and satisfaction with the university.

“Our interview research suggests that service-learning fosters an awareness of social issues, as well as the development of professional skills and networks, and that participation in an intensive remote community engaged learning program enhances social awareness, career skills, civic motivation, and academic involvement,” says Elena Klaw, CCLL’s director, who works on the project with Assistant Director Andrea Tully.
Hilary Hurst, Ehsan Khatami, and Hiu Yung Wong

Training the Future Quantum Workforce

Hilary Hurst, assistant professor in the Department of Physics and Astronomy, credits her success to her father, who initially sparked an interest in physics, as well as her professors, who nurtured that love of the discipline and positioned her to build a career.

“My father majored in physics in college, and although he didn’t ultimately pursue it as a career, he always instilled in me a love of physics and science more broadly as a way to understand the world around us,” she says. “I was also very fortunate to have amazing undergraduate professors that showed me all the diverse professional opportunities one can have with a career in physics.”

Today, Hurst is leading a project — along with co-investigators Ehsan Khatami, associate professor of physics, and Hiu Yung Wong, assistant professor, Silicon Valley AMDT Endowed Chair in Electrical Engineering — that assists students in much the same way that her professors helped her. The program is designed to prepare students on the master’s and doctoral levels to enter the quantum workforce through research traineeships and a semester hands-on exchange program at the Colorado School of Mines.

Thanks to the program, students have been able to help the team with research projects as they learn firsthand what it’s like to pursue a quantum physics career. Wong explains the work he’s done with students this way: “Students are hired to model the data and they learn cryogenic electronics and circuit design in this process. They provide new insights in interpreting the data, resulting in a few publications.”

In addition to the strong research skills students gain, the program provides a well-rounded experience which can help their careers in other ways.

“As a result, Khatami says the work he does with colleagues will ultimately advance the quantum physics discipline and its workforce.

“The new grant will help us train the next generation of workforce for quantum industries, a field that is increasingly interdisciplinary, by tapping into the talented and diverse pool of students at SJSU and by attracting other students from around the country to our new and unique MS program,” he says.
Jennifer Schachner

Offering Land and Water Fitness Classes for Older People With Arthritis

Located at 730 Empey Way, San Jose, CA, the Timpany Center offers affordable swim lessons, as well as Aqua Fitness Classes designed for individuals of all ages, fitness, and ability levels.

Today, Schachner uses her work at the Timpany Center — funded by Sourcewise — to increase the quality of life for seniors suffering from arthritis. The Center’s evidenced-based program, which is certified by the Arthritis Foundation, offers free land and water fitness classes to seniors who are among the most vulnerable in the community, such as low-income seniors and those who live alone in areas where these types of programs aren’t available. And during COVID, the Timpany Center’s staff, interns, and volunteers were still able to provide classes online, so seniors wouldn’t miss out on these vital services.

Now, the Timpany Center offers two water classes, one land class, and one Zoom class. Schachner says she is encouraged by the program’s impact and has high hopes for its growth.

“As a student at SJSU in the Kinesiology Department, I began to see how exercise, fitness, and wellness could ease some of the effects that aging had on the human body and increase the quality of life.”

It seems that Jennifer Schachner, assistant lecturer in the Department of Kinesiology and program and operations director at the Timpany Center, was destined to work with older generations. As the caretaker for multiple members of her family as a child, she learned at a young age about the challenges people face as they get older.

“While I loved them dearly, I was only exposed to the negative side of aging in terms of poor health and disease,” she explains.

When she began studying kinesiology in college, Schachner learned poor health doesn’t have to be synonymous with aging.

Schachner says she is encouraged by the program’s impact and has high hopes for its growth.

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“As a student at SJSU in the Kinesiology Department, I began to see how exercise, fitness, and wellness could ease some of the effects that aging had on the human body and increase the quality of life.”
Katherine Cushing, Michael Oye

A Spectrum of Outreach

As the COVID-19 pandemic rages on, Katherine Cushing, professor of Environmental Studies, faculty director of Programs on Global Studies, and Michael Oye, lecturer in the Chemical and Materials Engineering department and executive director of CommUniverCity, used their research project to help boost vaccination rates among San José residents — particularly those from the most vulnerable and high-risk populations. Oye explains the importance of their research in this way: “The purpose of this research was to better understand the vaccination status and concerns of Central San José residents with a focus on underserved, low-income community residents after the initial vaccine rollout phase. Additionally, the study sought to understand what additional services residents living in focal neighborhoods were interested in receiving.”

In order to gain this understanding, Cushing and Oye utilized the Spectrum of Prevention guidelines: Strengthening Individual Knowledge and Skills, Promoting Community Education, Educating Providers, Fostering Coalitions and Networks, Changing Organizational Practices, and Influencing Policy and Legislation. Typically used in prevention initiatives for traffic safety, violence prevention, injury prevention, nutrition, and fitness, this approach is effective, because it combines a variety of strategies to address community needs.

“The Spectrum identifies multiple levels of intervention and helps people move beyond the perception that prevention is merely education, but an organized grassroots effort to which they have an active role in improving the health of communities,” says Oye.

To that end, the researchers deployed a group of undergraduate and graduate students to underserved communities where they went door to door to speak to residents, collected data at large public events, and passed out fliers. Oye says he would like to see this study help to inform policy that will improve vaccination outcomes.

“It is with hope that this study can influence policy and legislation with the Santa Clara County Public Health Department in reaching the highest vaccination rate for Central San José neighborhoods,” Oye says. “The ultimate goal for the study is that its findings contribute to more effective policy regarding vaccine rollouts.”
“The San José Story Map project shows how digital technologies can be used to bring people together to turn an urban space into a shared place of belonging,” says Krishnaswamy.
Adam Kochanski, assistant professor of wildfire modeling, and Miguel Valero, assistant professor of wildfire behavior and remote sensing, in the Wildfire Interdisciplinary Research Center.

Adam Kochanski, assistant professor of wildfire modeling, had a mentor who lit an academic flame in him that burned so bright, it completely changed his scientific interest and the trajectory of his career.

“The person who influenced my interest in wildfire modeling is Professor Mary Ann Jenkins. Her pioneer work on coupled fire-atmosphere models made me switch my scientific interests from ocean-atmosphere interactions to wildfires,” he explains. “Without her, I would never have gotten into coupled fire-atmosphere modeling.”

Thanks to her influence, Kochanski is now working with Miguel Valero, assistant professor, to improve the way wildfire behavior and smoke dispersion are predicted. In order to do this, they have built and tested a new integrated system that runs on high-performance computers using hundreds of processors. During the last fire season, the system was deployed to major wildfires and was able to provide over 300 forecast — which Kochanski says is because of its unique features.

“The system uses satellite and aircraft fire observations, with fuel moisture and weather data, to forecast where and how fast the fires will spread and when and where the air quality will be unhealthy,” Kochanski says.
Mahboudeh (Marjan) Madadi

Using AI Tools to Detect and Mitigate Human Errors in Nuclear Power Plants

“By relying on the explainable capabilities of the proposed AI tool, we develop a ‘warning system’ to alert individuals of potential errors and prompt opportunities for appropriate mitigations,” says Madadi.

So far, Madadi’s research has led to the identification of a target system for industry partner Tennessee Valley Authority (TVA), and the development of a preliminary AI tool that detects anomalies within that system. In addition, Madadi’s team, which includes two graduate students, performed a thorough literature review on the use of AI tools for the detection and mitigation of human factor errors at NPPs.

Madadi says the research is not only helping TVA, but is also giving the master’s degree students she works with the opportunity to translate classroom learning into real-world solutions to problems.

“Working on this project helps students enhance their knowledge by applying what they learn in the classroom to real-world data,” she says.

The success of this work is particularly gratifying for Madadi, because it’s the culmination of a lifelong passion she developed after working with a mentor as an undergraduate student.

“The application of analytics to understand the systems around us has always been my passion,” says Madadi. “I was first introduced to the field by one of my professors during my bachelor’s degree. He showed me how vast the area is, and how I can apply the analytics tools to almost any application area from healthcare to manufacturing to any other industry.”
Margaret “Peggy” Stevenson, Jesse Mejia, and Cindy Parra

Supporting People Re-Entering the Community After Incarceration

“I was hopeless and scared, and didn’t know where to turn,” explains a former client of the Service Navigation Mentoring Program, led by Margaret “Peggy” Stevenson, lecturer AY-C, Justice Studies and director of the SJSU Record Clearance Project (RCP), which houses the program. “I have struggled with alcohol and substance abuse and mental health issues for the past 20 years. That, along with being in and out of incarceration, meant I was unable to keep a job.”

Since graduating from the program, he has gone on to get stable housing, tackle his addiction, and mend the relationship with his family. “It’s come full circle, and I feel at ease,” he says. “Now I have a support system. I go to therapy. I own a car that’s in my name. This is the first time I have felt this kind of stability and peace.”

The Navigation Mentoring Program helps to create these types of success stories by pairing people exiting incarceration with mentors who understand their challenges most — those who have had their records expunged and gotten back on their feet to become re-integrated members of the community. Through the work of these mentors, clients get the help they need accessing numerous services that set them up for success, such as drug and alcohol recovery treatment, housing, food and benefits, and transportation assistance.

“With mentors as guides, justice-involved individuals gain structure and life skills necessary to achieve self-sufficiency and move forward with their lives,” says RCP Administrative Coordinator Jesse Mejia, who helps run the program along with Program Manager Cindy Parra.

Mejia says the program also benefits SJSU students who have become involved, since they gain a deeper understanding of the legal system and its repercussions. As one student notes: “The most rewarding thing about this work is the interaction I get to have with people that are incarcerated. Throughout the five years I have been in college, this has definitely been the most meaningful work I’ve done.”
Mastery Learning Approach Boosts Student Success

“Mastering complex skills requires multiple opportunities for practice and frequent feedback from experts. This idea is at the heart of mastery learning and specifications grading,” says Mourtos.

“While traditional grading on the curve allows many students to pass without working knowledge of the material, mastery learning ensures that students who pass a course have demonstrated a set of skills, or specifications, at an appropriate level.”

This faculty development program, called the Teaching Experiment Academy, has led to 35 faculty members redesigning their courses to a mastery learning and specifications grading model. This resulted in a positive impact on student success, so Mourtos would like to see the program expand, because this approach to teaching is so beneficial.

“Mastery learning provides opportunities for students to rewrite and resubmit their assignments, using appropriate and timely feedback,” says Mourtos. “The single submission system, along with grading on the curve, was established for expediency and/or to save money. It does not reflect the reality of the learning process. If I do not allow students to resubmit a lab report, it saves me time from regrading it, or it saves grader money if a student assistant grades the reports. There is absolutely no pedagogical justification for not allowing students, who are novices in the subject matter, to have a second chance on a complex task.”

For Nikos Mourtos, chair and professor of Aerospace Engineering, pedagogy is as personal as it is professional.

“Being married to an educator ensures that pedagogy is frequently discussed at home,” he notes. “These discussions led me in 1993 to experiment with cooperative learning in my aerospace propulsion class. Students liked it very much, and I liked the results. This first successful experiment with non-traditional pedagogy sparked my interest in engineering education research.”

In his current research — which he’s conducting with Laura E. Sullivan-Green, Associate Professor of Civil and Environmental Engineering — Mourtos is advancing pedagogy by helping STEM faculty from the University of California, Irvine; California State Polytechnic University, Pomona; and San José State University adopt mastery learning and specifications grading in their teaching, while helping students develop a growth mindset.

Nikos Mourtos, chair and professor of aerospace engineering, and Laura E. Sullivan-Green, associate professor of civil and environmental engineering.
In addition to sponsored program funding, SJSU Research Foundation also operates several self-support programs related to the Student Research, Scholarship, and Creative Activity (RSCA) activities.

Timpany Center
Physical Health and Wellness

The Timpany Center is a non-profit educations and therapeutic center. Operated as a non-profit partnership with Santa Clara County and the SJSU Research Foundation since 2009, the center promotes physical health, and wellness in individuals with disabilities, obesity and advanced age.

International Gateways
English Language Programs

Since the early 1980s, International Gateways has partnered with the SJSU Research Foundation to offer high-quality English language programs, cultural experiences, and support services to international students, professionals, and visitors who want to develop communication skills and strategies for success in a global community.

International House
An Intercultural Home

The International House offers an intercultural home to approximately 70 U.S. and international students attending San Jose State University. It was founded by alumni of SJSU, Alan and Phyllis Simpkins, who bought, remodeled and furnished the building in 1978.
2022 SJSU STUDENT RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITY (RSCA) COMPETITION FINALISTS

These students will represent SJSU at the 36th Annual CSU Student Research Competition:

**Group Project**

Amarachi Aladi College of Social Science, Economics  
Dang Minh Nhu Nguyen College of Science, Mathematics & Statistics  
Evelyn Tran Undeclared  
Quyen Nhi Tran College of Science, Mathematics & Statistics  
Faculty Mentor: Egbe-Etu Etu Lucas College and Graduate School of Business, Marketing and Business Analytics  
*Retrospective Literature Review on Racial Disparities Pre-COVID and During COVID-19 Pandemic*

**Individual Projects**

Kristina Smith Connie L. Lurie College of Education, Child and Adolescent Development  
Faculty Mentor: Ellen Middaugh Connie L. Lurie College of Education, Child and Adolescent Development  
*Examining Social Media as a Context for Positive Youth Development During COVID*

Roberto Campbell Charles W. Davidson College of Engineering, Computer Engineering  
Faculty Mentor: Magdalini Eirinaki Charles W. Davidson College of Engineering, Computer Engineering  
*Reinforcement Learning for Defense of Software Defined Networks using MARL and Self-play*

Dani Heinonen College of Social Science, Psychology  
Faculty Mentor: Jill Citron College of Social Science, Psychology  
*An Evaluation of Student Perceptions of Campus Climate at San José State University*

Justise Wattree College of Humanities and the Arts, Humanities  
Faculty Mentor: Erik Johnson College of Humanities and the Arts, Humanities  
*The Two-Front War: Self-help and Black Health Activism during The Spanish Flu, HIV/AIDS, and COVID-19*
SJSU RESEARCH FOUNDATION
EARLY CAREER INVESTIGATOR AWARD

2022 ECIA Winners: Madalyn Radlauer and Rhonda Holberton

“I have had the immense pleasure and honor of working with more than 40 SJSU students since I got to SJSU in 2017, including my current group,” Radlauer says. “During their time in the group, these students practice many lab-specific skills — chemical synthesis, air-free and water-free techniques, characterization and analysis of molecules, chemical safety, and specialized instrumentation — as well as more general skills like note-taking, science communication, working in groups, collaboration, troubleshooting, project planning, and management.”

Radlauer is using this project as an opportunity to follow in the footsteps of her own mentors, who encouraged her in the same ways she strives to inspire the students assisting with her research.

“It started with my high school chemistry instructor, Ms. Ekberg, who was an amazing role model and who gave me space to explore. In her class, there was more than a right and a wrong answer, especially in our lab experiences,” says Radlauer. “I was also very lucky to have a fantastic undergraduate research mentor, Bob Waymouth at Stanford University, who continues to be a great support of my career today. He got me started on the chemistry of polymers and chemical catalysis, and since my research experience in his group, I have always been working in those two subfields of chemistry. It was also my experience in his lab that inspired me to specialize in inorganic chemistry.”

Rhonda Holberton, assistant professor of digital media arts in the department of art and art history, creates art that marries new media technology with theories related to ecology and body politics. This is how she sums up her work:

“I think about the animations I create as virtual sculptures, the meshes are based on ‘real’ objects that have gone through multiple translations — both analog and digital,” explains Holberton. “My projects have led me to a diverse set of activities that takes cues from Irving Goffman’s breaching experiments including gold mining, electronic hacking and jamming, and casting of holes I dug in the remediated landscapes of decommissioned military bases.”

Holberton’s work has been well-received, and was featured in San Francisco at the Yerba Buena Center for the Arts and the Contemporary Jewish Museum. She’s also received coverage in dozens of journals and news publications. Holberton says her project has gotten this reaction because it gets to the heart of the connection between man and machine.

“Great art expands the perimeter of the possible,” says Holberton.

“My research and teaching practices utilize materials and platforms that physically connect human bodies through technology, highlighting the ways signals of digitally-engineered worlds have physical ramifications; how the extraction of materials from the environment that support technology are destabilizing the planet; and how we might write better rules for digital platforms that consider the external effects on all bodies and respect the most vulnerable ones.”

In addition to making an important statement, Holberton feels her research has an important impact on the students she works with, thanks to the collaborative environment that has been created.

“Student engagement and hands-on learning outcomes are central to the research-based collaborative initiatives I’ve embarked on at SJSU, and will continue to play a central role in each of my upcoming projects,” Holberton says. “I want to expose students to challenging techniques and provide professional exposure, while centering their experiences and using my project management and media skills to make the content more accessible.”
# STATEMENT OF ACTIVITIES

**FISCAL YEAR ENDING 06/30/2021**

## REVENUE AND SUPPORT

- **Federal Contracts and Grants** $22,417,886
- **State Contracts and Grants** $9,927,802
- **Other Contracts and Grants** $7,227,447
- **Indirect Cost Recovery–C&G** $8,062,849
- **Administrative and Program Fees** $269,704
- **Campus Organizations and Other Revenue and Support** $3,354,174
- **Gifts** $895,889
- **Investment Income** $4,130,071
- **Other Revenue and Support** $40,393
- **Transfers from SJSU and Tower Foundation** $1,358,641

Total Revenue $57,684,856

## EXPENSES

- **Program Activities**
  - **Sponsored Programs** $39,632,479
  - **Board Designated Programs** $516,540
  - **Campus Organizations Expenditures** $3,428,556
- **Support Activities–Management and General** $9,167,477
- **Transfers to SJSU and Tower Foundation** $2,500,000

Total Expenses $55,245,052

## CHANGE IN NET POSITION

- **$2,439,805**

Net Position at beginning of Year $16,794,803

Net Position at end of Year $19,234,608

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**Pie Chart:**

- Federal Contracts and Grants $22,417,886
- State Contracts and Grants $9,927,802
- Other Contracts and Grants $7,227,447
- Indirect Cost Recovery-C&G Other Revenue and Support $8,062,849
- Other Revenue and Support $10,048,872
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<td>Electrical Engineering</td>
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<td>Chang Y. Choo</td>
<td>Development of AI/ML DSP/FPGA Training Materials for MegaChips Engineers</td>
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<td>College of Education</td>
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<td><strong>Teacher Education</strong></td>
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<td>Katya Aguilar</td>
<td>San José State University Single Subject Intern Program 2021-22</td>
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<td>Dan Moshavi and Karen E. Philbrick</td>
<td>MTI Database on Terrorist and Serious Criminal Attacks against Public Surface Transportation</td>
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<td>Robert Marx</td>
<td>Evaluation of LGBTQ Initiatives</td>
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<td>Ellen Middaugh</td>
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<td><strong>Aviation and Technology</strong></td>
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<td>Hiu Yung Wong</td>
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<td>Indumathi Jeyachandran</td>
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<td>Nima Karimianbahnamiri</td>
<td>CRiI: SoTC: Physical Side-Channel Attacks in Biometric Systems</td>
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<td>Ronald Mak</td>
<td>Intelligent Systems Research and Development Support-3 (ISRDS-3)</td>
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<td>Biomedical, Chemical &amp; Materials Engineering</td>
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<td>Ozgur Keles</td>
<td>Scalable Ceramic Alignment for Electro-Active Structures (SCALES) (Subtopic 1.1)</td>
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**ANNUAL REPORT 2022**
**GRANTS AND CONTRACTS**

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<th>Anand Ramasubramanian, Wendy Lee and Sang-Joon John Lee</th>
<th>Thrombosis in Microgravity</th>
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<td><strong>Moctezuma Garcia</strong></td>
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<td>Community Network Driven COVID-19 Testing among Most Vulnerable Populations in the Central United States University of Chicago</td>
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<td>BASW Mental Health Scholarship Program (MHSP) 2019-2021</td>
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<td>Santa Clara County</td>
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<td><strong>Jennifer Wolf</strong></td>
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<td>Enhancing Permanency in Children and Families (EPIC) Program</td>
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<td>The Ohio State University</td>
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<td><strong>Jennifer Wolf</strong></td>
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<td>Empowering Communities to Reduce Fatal Opioid Overdoses in Rural Ohio</td>
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<td><strong>Shannon Wright</strong></td>
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<td>ESSA Federal Fund</td>
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| **Industrial & Systems Engineering**                    |                             |
| **Anil R. Kumar**                                       |                             |
| Supportive Interface Design Guidelines                   |                             |
| Honda Research Institute                                | **$77,468**                |
| **Industrial & Systems Engineering**                    |                             |
| **Anil R. Kumar**                                       |                             |
| Remote Human Factors Validation Study of 3 mg Sumatriptan Autoinjector, for Migraine Patients Noble, an Aptar Pharma company | **$19,726** |
| **Hongrui Liu**                                         |                             |
| **Aerospace Engineering**                               |                             |
| **Nikos J. Mourtos and Laura E. Sullivan-Green**         |                             |
| The Teaching Experiment Academy (TEA)                   |                             |
| UC, Irvine                                              | **$77,058**                |
| **Dean’s Office, College of Engineering**               |                             |
| **Nichole Okamoto and Mathew Stowe**                    |                             |
| MESA Engineering Program (MEP)                          |                             |
| Academic Year 2020-2021                                 |                             |
| Regents of The University of California                  | **$10,000**                |
| **Belle Wei, Amy Strage, Xiao Su and David Schuster**   |                             |
| Collaborative Research: A Technology Pathway Program in Data Technology and Applications National Science Foundation | **$13,046** |

| **College of Professional and Global Education**        |                             |
| **Applied Data Science**                                |                             |
| **Lee C. Chang**                                        |                             |
| San José Data Strategy Pilot                            | **$20,280**                |
| **College of Science**                                  |                             |
| **Biological Sciences**                                 |                             |
| **Tzvia Abramson**                                      |                             |
| SJSU Stem Cell Internships in Laboratory-Based Learning (SCILL) California Institute of Regenerative Medicine | **$49,500** |
| **Walter Adams**                                        |                             |
| Microbial and Host Factors that Promote Epithelial Disruption and S. pneumoniae Transit out of the Lung National Institutes of Health | **$146,500** |
| **Maya Devries, Scott L. Hamilton and Michael Graham**  |                             |
| Strengthening Sustainability in an Acidified Ocean: Does the Co-Culture of Seaweeds and Shellfish Improve Shell Integrity in Farmed Red Abalone UC, San Diego | **$60,000** |

| **English & Comparative Literature**                    |                             |
| **Selena Anderson**                                     |                             |
| Center for Literary Arts — Local Arts Grant 2020-2021 Silicon Valley Creates | **$4,400** |
| **School of Social Work**                               |                             |
| **Moctezuma Garcia**                                    |                             |
| Community Network Driven COVID-19 Testing among Most Vulnerable Populations in the Central United States University of Chicago | **$20,4120** |
| **Peter Allen Lee**                                     |                             |
| Title IV-E Child Welfare Training 2020-2022             |                             |
| UC, Berkeley                                            | **$1,783,190**              |
| **Peter Allen Lee**                                     |                             |
| Adult Protective Services (APS) Stipend Program         |                             |
| UC, Berkeley                                            | **$126,750**                |
| **Peter Allen Lee**                                     |                             |
| San José State University                                |                             |
| BASW Mental Health Scholarship Program (MHSP) 2019-2021 |                             |
| Santa Clara County                                      | **$150,000**                |
| **Jennifer Wolf**                                       |                             |
| Enhancing Permanency in Children and Families (EPIC) Program |                     |
| The Ohio State University                               | **$20,857**                |
| **Jennifer Wolf**                                       |                             |
| Empowering Communities to Reduce Fatal Opioid Overdoses in Rural Ohio |                     |
| The Ohio State University                               | **$20,857**                |

| **College of Science**                                  |                             |
| **Applied Data Science**                                |                             |
| **Lee C. Chang**                                        |                             |
| San José Data Strategy Pilot                            | **$20,280**                |
FISCAL YEAR 2020–2021

Maya Devries, Scott L. Hamilton
and Michael Graham
Cost-share: Strengthening Sustainability in an Acidified Ocean: Does the Co-Culture of Seaweeds and Shellfish Improve Shell Integrity in Farmed Red
California State University System
$30,000

Rachael L. French
The Role of Insulin Signaling in Developmental Ethanol Toxicity
Department of Health & Human Services
$359,537

Bree Grillo-Hill
Roles for Intracellular pH Dynamics in Cancer Cell Behaviors
Department of Health & Human Services
$109,875

Frank Huynh
Regulation of Mammary Gland Development by Sirtuin 4
National Institutes of Health
$146,500

Jennifer Johnston
Identification of Novel Safe Harbors to be Used in a Gene Editing Strategy for the Treatment of Hemophilia A
Department of Health & Human Services
$139,586

Cleber C. Ooverney and Wendy Lee
Inquiry-Based Human Microbiome for Undergraduates in Distance Learning
Department of Health & Human Services
$86,400

Elizabeth Skovran
Efficient Recovery of Rare Earth using Methylbacterium Extorquens
UC, Berkeley
$125,785

Miri K. Vanhoven
The Effect of Sleep on Neural Circuit Connections
UC, San Francisco
$186,357

Miri K. Vanhoven
Olfactory Memory Acquisition Consolidation and Recall
UC, San Francisco
$115,468

Katherine Wilkinson
Control of Muscle Proprioceptor Sensitivity
Department of Health & Human Services
$108,375

Geology
Kimberly Blisniuk
Mapping the Rodgers Creek Fault, Before and After the Kincade Fire,
Department of Interior
$27,500

Kimberly Blisniuk
CAREER: Re-Evaluating the Evolution of the Southern San Andreas Fault along its Restraining Bend from Holocene to Mid-Quaternary Timescales via 36Cl/10Be Burial and Cosmogenic Exposure Dating
National Science Foundation
$116,774

Robert B. Miller
Collaborative Research: Investigating the Relationships Between Magmatic ‘Flare-Ups’, Crustal Rheology, and Arc Collapse
National Science Foundation
$77,822

Ryan Portner
Shallow Marine Lava-Water Interaction: Columbia River Basalt Group, Central Oregon Coast
Department of Interior
$23,267

Chemistry
Lionel E. Cheruzel
RUI: Light-Driven Selective Chemoenzymatic C-H Functionalization
National Science Foundation
$50,000

Laura C. Miller-Conrad
Blocking Cationic Antimicrobial Peptide-Resistance in Pseudomonas Aeruginosa
National Institutes of Health
$104,550

Alberto A. Rascon, Jr.
Vector Control Strategy Through Inhibition of Aedes aegypti Midgut Proteases
National Institutes of Health
$109,875

Karen A. Singmaster
CSU SJSU LSAMP Program 2018-2021
CSU, Sacramento
$60,000

Karen A. Singmaster, Cleber C.
Ooverney and Alberto A. Rascon, Jr.
San José State University Rise Program
Department of Health & Human Services
$263,807

Annalise L. Van Wyngarden
American Chemical Society Summer School in Nuclear and Radiochemistry
City University of New York
$197,499

Ningkun Wang
Intramolecular Allosteric Regulation of SIRT1 Deacetylase Activity by the N-terminal Domain
Department of Health & Human Services
$144,500

Abraham Wolcott
Fundamental Surface Science of Nanoscale Diamond and their Interaction with Biological Surfaces
Department of Defense
$11,168

Abraham Wolcott
Fluorescent Enhancement of the Nitrogen Vacancy Center in Nanoscale Diamond for Bioimaging Applications
National Institutes of Health
$108,375

Dean’s Office
Elaine D. Collins
SJU MESA Schools Program — Downtown College Prep
$9,261

Elaine D. Collins
SJU MESA Schools Program ESUHSD Agreement
East Side Union High School District
$46,620

Elaine D. Collins
SJU MESA SCHOOLS PROGRAM RCLA (Roberto Cruz Leadership Academy) Agreement 2019-2022
Roberto Cruz Learning Academy
$4,862

Elaine D. Collins
SJU MESA Schools Program ARUESD Agreement
Alum Rock Unified Elementary School District
$23,940

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**Physics and Astronomy**

Michael J. Kaufman  
*Using the Astronomical Infrared Bands as Calibrated Probes of Astrophysical Conditions with the NASA Ames PAH IR Project*  
NASA  
**$279,885**

Thomas Madura  
*Career Exploration Lab: 3D Printing and STEM Engagement for High School Students with Visual Impairments and their Educators*  
National Science Foundation  
**$1,499,733**

Cassandra A. Paul, Tammie Visitainer, Marcos Pizarro and Katherine Wilkinson  
*Transforming Undergraduate Teaching and Learning Through Culturally Sustaining, Active, and Asset-Based Approaches to Introductory Science Courses*  
National Science Foundation  
**$855,241**

**Meteorology & Climate Science**

Sen Chiao  
*Detailed Quantitative Precipitation Forecasts for Santa Clara Valley Water District*  
**$29,997**

Craig B. Clements  
*Collaborative Proposal: Sundowner Winds Experiment in Santa Barbara, CA (SWEX)*  
National Science Foundation  
**$95,341**

Craig B. Clements  
*Vertical Wind Profiling for Real-Time Fire Weather and PSPS Assessment in Southern California Edison*  
**$76,870**

Craig B. Clements  
*A Multiscale Study of the Coupling Between Flow, Fire and Vegetation — Influence of Vegetation Distribution and Flow on Fire Behavior and Plume Development for Risk Mitigation in Prescribed Burns in Worcester Polytechnic Institute*  
**$22,317**

Minghui Diao  
*Advancing the Understanding of Cloud Microphysical Processes and Aerosol Indirect Effects in High-Latitude Mixed-Phase Clouds at the Department of Energy*  
**$382,061**

Adam Kochanski  
*Coupled Interactive Forecasting of Weather, Fire Behavior, and Smoke Impact for Improved Wildland Fire Decision Making*  
Colorado State University  
**$149,882**

Adam Kochanski and Craig B. Clements  
*Understanding Urban and Wildland Fire Dynamics*  
Lawrence Livermore National Laboratory  
**$43,242**

Adam Kochanski and Ali Tohidi  
*Collaborative Research: Biomass Burning Smoke as a Driver of Multi-scale Microbial Teleconnections*  
National Science Foundation  
**$99,783**

Adam Kochanski and Miguel Valero  
*Understanding Urban and Wildland Fire Dynamics*  
Lawrence Livermore National Laboratory  
**$31,185**

Qian Tan  
*The NOAA Cooperative Science Center in Atmospheric Sciences and Meteorology at Howard University*  
**$98,750**

Miguel Valero  
*Closing Gaps Project: SJSU Prototype Systems for 3D Modeling of Plumes from Ground Observations for U.S. Forest Service*  
**$10,000**

**Mathematics and Statistics**

Jordan Schettler  
*Undergraduate Research Groups in the CSU Alliance for PUMP: Preparing Undergraduates through Mentoring toward PhDs*  
National Science Foundation  
**$63,049**

Julie S. Spitzer  
*Just in Time: Online Mathematics Professional Development*  
UC, Los Angeles  
**$38,000**

Julie S. Spitzer  
*SCVMP-CSMP-ESSA20 (Fed funds)*  
Regents of The University of California  
**$24,223**

Julie S. Spitzer  
*Santa Clara Valley Mathematics Project (CSMP-State)*  
Regents of The University of California  
**$20,000**

Yan Zhang and Dashiell Fryer  
*Beacon Chain and Gas Market Analyses for Ethereum 2.0*  
Ethereum Foundation  
**$24,981**

Yan Zhang and Dashiell Fryer  
*Gas Price Analysis of Ethereum Fee Markets*  
Ethereum Foundation  
**$25,000**

**Sedimentology and Mineralogy**

Ivano W. Aiello  
*Elkhorn Slough Foundation Project — Advanced Geospatial and Geotechnical Services and Development of Materials to Inform On-Going Estuarine Habitats (IODP Expedition 385)*  
Columbia University  
**$17,958**

Ivano W. Aiello  
*Elkhorn Slough Foundation Project — Advanced Geospatial and Geotechnical Services and Development of Materials to Inform On-Going Estuarine Habitats (IODP Expedition 385)*  
Elkhorn Slough Foundation  
**$105,000.00**

Ivano W. Aiello and Murray Stein  
*Research Vessel Use for Monthly Water Sampling at Applied Marine Sciences, Inc.*  
**$5,000**

Adam Kochanski  
*Quantitative Attribution of Wildfires on Summertime Ozone Concentrations along the Wasatch Front at the Utah Division of Air Quality*  
**$79,768**
Holly A. Bowers and Ross P. Clark  
Environmental Protection Agency  
$213,931

Holly A. Bowers and Jason G. Smith  
Advancing Portable Detection Capabilities of Harmful Algal Bloom Species in California Waters  
University of Southern California  
$85,191

Dustin Carroll  
ECCO-Darwin Model Exploration of Physical and Biogeochemical Interactions in the Land-Sea Continuum  
Jet Propulsion Laboratory  
$113,812

Dustin Carroll  
Impacts of Changing Sea-Ice on Arctic Ocean Biology  
Jet Propulsion Laboratory  
$87,482

Ross P. Clark  
Provide Archival, Analysis, and Publishing Services on Benthic Data Previously Collected for Multiple Project  
Creative Environmental Conservation  
$60,000

Ross P. Clark  
Restoring Coastal Dune Ecosystem Health and Resilience at Salinas River State Beach (SRSB Dunes-CDFW: 2020-01)  
Coastal Conservation & Research  
$150,000

Wesley A. Heim, Ross P. Clark and Marco A. Sigala  
SWRCB-SWAMP Agreement Number 20-006-270  
California State Water Resources Control Board  
$469,300

Ross P. Clark  
Developing Riparian Management Goals through Validation of Assessment Tools  
Environmental Protection Agency  
$249,286

Ross P. Clark  
North Monterey County High School Habitat Enhancement Project  
Resource Conservation District of Santa Cruz County  
$3,162

Ross P. Clark  
A Collaborative Approach to Groundwater Sustainability in Southern Monterey Bay Watersheds  
California Department of Conservation  
$300,000.00

Ross P. Clark  
Managing Water Resources for Multiple Benefits in the Greater Monterey County IRWM Region  
City of Salinas  
$501,001

Ross P. Clark and Holly A. Bowers  
Environmental Protection Agency  
$786,068

Thomas Connolly, Kenneth H. Coale and Jason G. Smith  
CeNCOOS: Long-Term Monitoring of Environmental Conditions in Support of Marine Area Management in Central & Northern CA  
Monterey Bay Aquarium Research Institute  
$76,000

Colleen A. Durkin  
Linking Sinking Particle Chemistry & Biology w/ Changes in the Magnitude & Efficiency of Carbon Export into Deep Ocean  
University of Maine  
$138,796

Michael E. Feinholz and Mark Yarbrough  
Marine Optical Buoy (MOBY) Operations and Technology Refresh  
University of Miami  
$2,440,900

Luke Gardner  
SJUSRF/MLML–Aquaculture Services  
Elkhorn Slough Foundation  
$31,753

Jonathan B. Geller  
Illumina MiSeq Library Preparation of Plankton Collected by the Invasion Ecology Laboratory, SERC  
Smithsonian Environmental Research Center  
$9,757

Jonathan B. Geller  
Assessing Ballast Water Management and Invasions in Great Lakes: Genetic and Metagenetic Analysis  
Smithsonian Environmental Research Center  
$220,000

Jonathan B. Geller  
Marine Invasive Species Molecular Analysis (AGREEMENT NUMBER P2075008)  
California Department of Fish and Wildlife  
$83,937.00

Michael Graham  
Business Economic Analysis for West Coast based Urchin Ranching  
UC, San Diego  
$25,296

Michael Graham and Scott L. Hamilton  
Assessment of Practical Methods for Re-Establishment of Bull Kelp Populations at an Ecologically Relevant Scale  
UC, San Diego  
$173,802

Maxime Grand and Luke Gardner  
Evaluating the Contribution of Seaweed Aquaculture to Regional and Global Bromoform Production Rates  
UC, San Diego  
$59,445

Maxime Grand and Luke Gardner  
COST SHARE- Evaluating the Contribution of Seaweed Aquaculture to Regional and Global Bromoform Production Rates  
CSU, Monterey Bay  
$29,723

Herbert Gary Greene  
Assessing Pacific Sand Lance Subtidal Habitats and Biomass in Regards to Salmon Foraging in the San Juan Archipelago  
Washington Department of Fish and Wildlife  
$100,000

Scott L. Hamilton and Richard M. Starr  
California Collaborative Fisheries Research Program — Monitoring and Evaluation of California Marine Protected Areas  
California Natural Resources Agency  
$1,000,000
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<td>Creating New Products and Markets—Development of Techniques for the Cultivation of Monkeyface Pricklebacks as a Sustainable Alternative to Unagi</td>
<td>Scott L. Hamilton, Michael Graham and Luke Gardner</td>
<td>Department of Commerce</td>
<td>$300,000</td>
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<td>Evaluating the Performance of California’s MPA Network Through the Lens of Sandy Beach and Surf Zone Ecosystems</td>
<td>Scott L. Hamilton</td>
<td>UC, Santa Barbara</td>
<td>$62,289</td>
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<td>Validating Age and Growth of Captive Fishes from Mexican Waters at the Monterey Bay Aquarium</td>
<td>Scott L. Hamilton</td>
<td>Monterey Bay Aquarium</td>
<td>$15,000</td>
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<td>CA Sea Grant Fellowship (Katherine Neylan): Eat Your Greens: Evaluating Microalgae Supplemented Feeds for Sablefish Nutrition and Growth</td>
<td>Scott L. Hamilton</td>
<td>UC, San Diego</td>
<td>$39,975</td>
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<td>Development of Techniques for the Cultivation of Monkeyface Pricklebacks as a Sustainable Alternative to Unagi</td>
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<td>UC, San Diego</td>
<td>$48,949</td>
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<td>Estuarine Wetland and Nearshore Ecology Studies along the Pacific Flyway</td>
<td>James Harvey</td>
<td>United States Department of the Interior</td>
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<td>Estuarine Wetland and Nearshore Ecology Studies along the Pacific Flyway</td>
<td>James Harvey</td>
<td>United States Department of the Interior</td>
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<td>Estuarine Wetland and Nearshore Ecology Studies along the Pacific Flyway</td>
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<td>United States Department of the Interior</td>
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<td>BeachCOMBERS: Coastal Ocean Mammal and Bird Education and Research Surveys</td>
<td>James Harvey</td>
<td>U.S. Fish and Wildlife Service</td>
<td>$24,929</td>
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<td>Auxiliary General Purpose Oceanographic Research (AGOR) Support Services Office of Naval Research</td>
<td>James Harvey and Jonathan Mike Prince</td>
<td>$80,000</td>
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<td>SWRCB-SWAMP Agreement Number 20-006-270 California State Water Resources Control Board</td>
<td>Wesley A. Heim, Ross P. Clark and Marco Sigala</td>
<td>$1,941,200</td>
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<td>Validating Age and Growth of Captive Fishes from Mexican Waters at the Monterey Bay Aquarium</td>
<td>Wesley A. Heim and Autumn L. Bonnema</td>
<td>San Francisco Estuary Institute/Aquatic</td>
<td>$49,636</td>
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<td>LA River and San Gabriel Watershed Fish Collections—Aquatic Bioassay Aquatic Bioassay Lab</td>
<td>Wesley A. Heim and Autumn L. Bonnema</td>
<td>$12,530</td>
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<td>Echo Park Lake Fish Collection FMF Pandion</td>
<td>Wesley A. Heim</td>
<td>$12,100</td>
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<td>CAREER: Foraging Ecology and Physiology of Emperor Penguins in the Ross Sea National Science Foundation</td>
<td>Birgitte McDonald</td>
<td>$935,931</td>
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<td>Coll. Res.: At-Sea Experimental Disturbances to Characterize Physiological Plasticity in Diving Northern Elephant Seals National Science Foundation</td>
<td>Birgitte McDonald</td>
<td>$9,963</td>
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<td>Support for Basic Response to Marine Mammal Strandings in California’s Monterey Bay UC, Santa Cruz</td>
<td>Birgitte McDonald</td>
<td>$16,966</td>
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<td>2020 Bay Margins Sediment Study Field Sample Collection San Francisco Estuary Institute</td>
<td>Marco A. Sigala</td>
<td>$87,300</td>
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<td>Ahntna Sharpe 2020 Ahntna Environmental Inc.</td>
<td>Marco A. Sigala</td>
<td>$7,905</td>
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<td>Deliver Flux Instrument Package for IceNode Vehicle Jet Propulsion Laboratory</td>
<td>Timothy P. Stanton</td>
<td>$27,000</td>
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<td>Long Term Observations of Upper Ocean Fluxes and Pycnocline Diffusivity in the Canada Basin Buoy Instrumentation Office of Naval Research</td>
<td>Timothy P. Stanton</td>
<td>$60,711</td>
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<td>Combining Underwater Video and Hook and Line Surveys of Untrawlable Areas in the Cowcod Conservation Areas to Inform Harvest Opportunities and Management Measures</td>
<td>Richard M. Starr</td>
<td>$300,000</td>
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<td>Characteristics of Bycatch in California Fisheries Resources Legacy Fund</td>
<td>Richard M. Starr</td>
<td>$19,500.00</td>
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<td>Subaward from CSUMB–James Lindholm Contract with Navy CSU, Monterey Bay</td>
<td>Richard M. Starr</td>
<td>$60,000</td>
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<td>Soundscape Characterization in the National Marine Sanctuaries using Passive Acoustic Monitoring Naval Postgraduate School</td>
<td>Alison Stimpert</td>
<td>$99,963</td>
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### Fiscal Year 2020–2021

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Principal Investigator(s)</th>
<th>Award Amount</th>
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</thead>
<tbody>
<tr>
<td><strong>Coastal Land-Air-Sea Interaction—Thornton Portion</strong></td>
<td>Edward Thornton</td>
<td>$44,634</td>
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<td><strong>PIA- Evoqua Ballast Project</strong></td>
<td>Nicholas A. Welschmeyer</td>
<td>$63,076</td>
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<td><strong>EcoChlor2 Ballast Testing</strong></td>
<td>Nicholas A. Welschmeyer</td>
<td>$220,766</td>
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<td><strong>Implementation of MarONet for Support of OCI/PACE Vicarious Calibration</strong></td>
<td>Mark Yarbrough and Michael Feinholz</td>
<td>$481,521</td>
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<tr>
<td><strong>Implementation of MarONet for Support of OCI/PACE Vicarious Calibration</strong></td>
<td>Marck Yarbrough and Michael Feinholz</td>
<td>$711,141</td>
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<td><strong>CommUniverCity: Community Leadership Program FY 2020-21</strong></td>
<td>Darwyyn Deyo</td>
<td>$10,981</td>
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<td><strong>CommUniverCity: Community Services Program 2020-21</strong></td>
<td>Katherine Kao Cushing</td>
<td>$85,000</td>
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<td><strong>ASPIRE (Student Support Services) — San José State University — FY 2020-25</strong></td>
<td>Maria E Cruz</td>
<td>$344,762</td>
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<td><strong>Test Subject Recruitment Office Task 7</strong></td>
<td>Sean Laraway</td>
<td>$18,139</td>
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<tr>
<td><strong>Test Subject Recruitment Office Task 1</strong></td>
<td>Sean Laraway</td>
<td>$147,448</td>
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<td><strong>Future Vertical Lift: Collaborative Research on Flight Control, Autonomous Rotorcraft, and Human-Systems Interface Design</strong></td>
<td>Susan Snyderski</td>
<td>$2,330,055</td>
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<td><strong>Household Hazardous Waste (HHW) Call and Appointment Center for Santa Clara County</strong></td>
<td>Bruce Olszewski</td>
<td>$100,000.00</td>
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<tr>
<td><strong>Wildfire Evacuation &amp; Management during the 2020 Lightning Complex Wildfires: Exploring Influences on Resident Action during SCU &amp; CZU Wildfire Events</strong></td>
<td>Amanda Stasiwicz</td>
<td>$77,243</td>
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<td><strong>Best Practices in Disaster Public Communications</strong></td>
<td>Frances Edwards and Kaikai Liu</td>
<td>$112,728</td>
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<td><strong>USC-SJSU ICAAIE Consortium’s National Security Scholars Research Program</strong></td>
<td>Leonard Lira, Younghee Park, and Karthika Sasikumar</td>
<td>$25,000</td>
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<tr>
<td><strong>Human Systems Integration: Collaborative Human Factors Research to Improve Safety, Efficiency, and Reliability of NASA’s Aeronautics and Space Missions</strong></td>
<td>Sean Laraway</td>
<td>$13,066,096</td>
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<td><strong>2021 Census Data Research and GIS Visualization Pilot</strong></td>
<td>Ahoura Zandiatashbar</td>
<td>$8,283</td>
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<td><strong>AmeriCorps Civic Engagement (ACE) Fellows at San José State University</strong></td>
<td>Elena Klaw</td>
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<tr>
<td><strong>AmeriCorps Civic Engagement Fellows formerly known as AmeriCorps Civic Engagement Fellows (ACE Fellows @ SJSU)</strong></td>
<td>Elena Klaw and Andrea Tully</td>
<td>$344,762</td>
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<tr>
<td><strong>Human Systems Integration: Collaborative Human Factors Research to Improve Safety, Efficiency, and Reliability of NASA’s Aeronautics and Space Missions</strong></td>
<td>Wei-Chien Lee</td>
<td>$15,660</td>
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<td><strong>Outcome Study of the Garrett Lee Smith (GLS) Campus Suicide Prevention Grant</strong></td>
<td>Mohamed Abousalem</td>
<td>$289,267</td>
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<tr>
<td><strong>Division of Student Affairs</strong></td>
<td>Maria E Cruz</td>
<td>$509,776</td>
</tr>
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<td><strong>The Ronald E. McNair Postbaccalaureate Achievement Program</strong></td>
<td>Maria E Cruz</td>
<td>$289,267</td>
</tr>
</tbody>
</table>
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(as of December 2021)

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Annual Report

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