

August 16, 2024

To: Jane C. Conoley, President  
Karyn Scissum Gunn, Provost and Senior Vice President, Academic Affairs  
Scott Apel, Vice President, Administration and Finance  
Beth Lesen, Vice President, Student Affairs  
Dan Montoya, Vice President, University Relations and Development  
Min Yao, Vice President, Chief Information Officer  
Tracey Richardson, Chief Operating Officer, Research Foundation  
Royce W. Smith, Dean, College of the Arts  
Mark M. Suazo, Dean, College of Business  
Anna Ortiz, Dean, College of Education  
Jinny Rhee, Dean, College of Engineering  
Monica Lounsbury, Dean, College of Health and Human Services  
Deborah Thien, Dean, College of Liberal Arts  
Curtis Bennett, Dean, College of Natural Sciences and Mathematics  
Chris Swarat, Dean, College of Professional and Continuing  
Education  
Elizabeth Dill, Dean, University Library

From: Simon Kim, Associate Vice President  
Office of Research and Economic Development (ORED)

RE: FY 2023-2024 Year-End Report

I am delighted to present the FY 2023-2024 Year-End Report for Sponsored Programs, Research Compliance, Undergraduate Research, and Innovation. This report underscores the Office of Research and Economic Development's (ORED) impactful role in fostering faculty-student research engagement, ensuring regulatory compliance, and supporting innovation. Through collaborative efforts, ORED has propelled research, innovation, and compliance standards at CSULB. We look forward to continued collaboration and the pursuit of excellence in research.

As this marks my final annual report as Associate Vice President, I want to take a moment to express my profound gratitude to the campus leadership for your unwavering support over the past decade. Your commitment to advancing our research enterprise has been instrumental in achieving unprecedented growth and success. Together, we have more than doubled our annual research expenditures, setting a record in CSULB's history, and proudly attained the prestigious R2 Carnegie classification. I am deeply honored to have been a part of this remarkable journey, and I am confident that CSULB will continue to flourish in its research endeavors.



## I. Proposal Preparation and Submission

Our commitment to advancing research endeavors is evident in the numbers we have achieved. A total of 206 faculty, staff, and administrators submitted 315 new proposals, collectively amounting to almost \$130 million.

Division/College	2024 Total New Proposals Submitted	2024 Total New Research Funds Requested	2023 Total New Proposal	2023 Total New Research Funds Requested	Total Proposals Submitted (% Change)	Total Research Funds Requested
COB	4	\$ 78,000	2	\$ 48,000	100.00	62.50
CPaCE/CITT	12	\$ 3,529,641	13	\$ 3,585,998	-7.69	-1.57
CED	6	\$ 6,069,626	13	\$ 16,194,488	-53.85	-62.52
CHHS	58	\$ 52,033,807	64	\$ 39,666,968	-9.38	31.18
CLA	61	\$ 14,296,870	53	\$ 7,257,208	15.09	97.00
CNSM	50	\$ 17,780,210	48	\$ 29,193,321	4.17	-39.09
COE	94	\$ 27,706,341	77	\$ 25,243,714	22.08	9.76
COTA	14	\$ 216,096	9	\$ 341,240	55.56	-36.67
Other Units (Pres, AA, SS, URD)	16	\$ 7,070,023	16	\$ 8,084,441	0.00	-12.55
<b>TOTAL</b>	<b>315</b>	<b>\$ 128,780,614</b>	<b>295</b>	<b>\$ 129,615,378</b>	<b>6.78</b>	<b>-0.64</b>

## II. New Awards

Celebrating our accomplishments, we are thrilled to report that 110 Principal Investigators secured 154 new external awards totaling approximately \$52 million. Collaborations spanned 64 federal, 43 state, and 14 local agencies, alongside 33 private corporations and foundations. This impressive achievement underscores our commitment to impactful research and partnership engagement.

Division/College	2024 Total New Proposals Awarded	2024 Total New Research Funds Awarded	2023 Total New Proposal	2023 Total New Research Funds Awarded	Total Proposals Awarded (% Change)	Total Research Funds Awarded
COB	4	\$ 74,930	3	\$ 61,500	33.33	21.84
CPaCE/CITT	7	\$ 1,017,422	7	\$ 910,640	0.00	11.73
CED	4	\$ 1,879,751	10	\$ 7,225,261	-60.00	-73.98
CHHS	33	\$ 21,989,148	39	\$ 14,884,126	-15.38	47.74
CLA	29	\$ 2,069,313	29	\$ 3,721,419	0.00	-44.39
CNSM	33	\$ 13,906,084	32	\$ 4,049,352	3.13	243.42
COE	27	\$ 6,931,178	30	\$ 7,139,144	-10.00	-2.91
COTA	6	\$ 46,594	4	\$ 49,524	50.00	-5.92
Other Units (Pres, AA, SS, URD, AF, IT)	11	\$ 4,255,067	22	\$ 10,461,067	-50.00	-59.32
<b>TOTAL</b>	<b>154</b>	<b>\$ 52,169,486</b>	<b>176</b>	<b>\$ 48,502,033</b>	<b>-12.50</b>	<b>7.56</b>



### III. Research Expenditures

We are particularly proud of achieving a milestone in research expenditures. With research endeavors generating almost \$55 million in total expenditures, consisting of \$48 million direct and \$6.8 million indirect expenditures, we set a record high. Post-award activities, encompassing award management, compliance, and financial reporting, have been efficiently executed in an online format.

Division/College	2024 Research Expenditures	2024 F&A Revenue	2024 Effective F&A Rate	2023 Research Expenditures	2023 F&A Revenue	2023 Effective F&A Rate	Total Research Expenditures (% Change)	Total F&A Revenue (% Change)	Total Effective F&A Rate (% Change)
COB	\$ 35,997.47	\$ 10,499.24	29.2%	\$ 30,377.31	\$ 8,663.19	28.5%	18.50	21.19	2.27
CPaCE/CITT	\$ 752,993.13	\$ 206,446.07	27.4%	\$ 679,756.83	\$ 136,363.89	20.1%	10.77	51.39	36.67
CED	\$ 4,449,309.90	\$ 472,313.25	10.6%	\$ 3,543,519.23	\$ 260,200.03	7.3%	25.56	81.52	44.47
CHHS	\$21,468,279.91	\$ 2,293,151.85	10.7%	\$ 11,334,186.04	\$ 1,616,631.89	14.3%	89.41	41.85	-25.11
CLA	\$ 2,314,983.76	\$ 469,598.07	20.3%	\$ 2,181,687.55	\$ 417,471.00	19.1%	6.11	12.49	6.01
CNSM	\$ 6,566,562.71	\$ 1,439,287.01	20.8%	\$ 5,371,101.71	\$ 1,078,704.86	20.1%	22.26	33.43	3.37
COE	\$ 3,180,394.57	\$ 660,268.92	20.8%	\$ 2,496,020.76	\$ 558,733.76	22.4%	27.42	18.17	-7.26
COTA	\$ 46,825.25	\$ 3,939.55	8.4%	\$ 82,296.76	\$ 4,127.23	5.0%	-43.10	-4.55	67.76
Other Units (Pres, AA, SS, URD, AF, IT)	\$ 9,253,150.19	\$ 1,243,971.88	13.4%	\$ 8,759,519.91	\$ 1,263,974.65	14.4%	5.64	-1.58	-6.83
<b>TOTAL</b>	<b>\$48,068,496.89</b>	<b>\$ 6,799,475.84</b>	<b>14.1%</b>	<b>\$ 34,478,466.10</b>	<b>\$ 5,344,870.50</b>	<b>15.5%</b>	<b>39.42</b>	<b>27.21</b>	<b>-8.76</b>

### IV. Internal Research Funding

In nurturing our research ecosystem, significant investments have been made to invigorate Research, Scholarly, and Creative Activity (RSCA). Allocations of approximately \$1.7 million were directed to colleges, with additional funding of \$500,000 from the Chancellor’s Office, Office of Research and Economic Development, and Academic Affairs. Furthermore, we recognize the growing significance of open-access (OA) publishing, which has been embraced by a growing number of faculty. We have allocated funds to support OA publications by CSULB faculty, fostering accessibility and enhancing our institution's prominence. The President – Provost Initiative, Faculty Research Awards in Equity, Diversity, and Inclusion (FRA-EDI) focusing on Racial Equity has been extended for a second year, underscoring our dedication to addressing important societal issues.

## V. Grant Development

To enhance the competitiveness of grant applications, we have strategically integrated diverse resources to support our faculty and staff members throughout the grant proposal submission process. This multifaceted approach is integral to our mission of facilitating impactful research endeavors. One cornerstone of our approach involves the dedicated presence of a Senior Grant Development Specialist. This expert professional plays a pivotal role in comprehensively interpreting grant solicitations, offering insightful narrative feedback, managing the grant development Canvas site, orchestrating professional development training, and leading recognition efforts. Collaborating closely with program officers from a spectrum of funding agencies, the Specialist organizes workshops, fostering invaluable insights and connections for our faculty and staff.

In the fiscal year 2023-2024, this concerted effort culminated in providing solicitation review and narrative feedback to over 75 faculty and staff members. Furthermore, we facilitated eight impactful professional development opportunities, each tailored to enrich diverse aspects of grant development:

- **National Science Foundation CAREER Workshop:** An impactful review and insights into the NSF's CAREER mechanism.
- **U.S. Department of Education Workshop:** A focused endeavor imparting insights into grant opportunities within the U.S. Department of Education.
- **SPIN Funding Opportunity Database Online Training:** An empowering session enabling efficient navigation of the SPIN funding opportunity database.
- **Grant Development Workshop:** A multifaceted workshop designed to strengthen grant submissions.
- **Pre-Award Workshop:** An informative session fostering awareness of pre-award intricacies.
- **New Faculty Foundations Orientation:** A primer on ORED's roles and functions, acquainting new faculty with our collaborative environment.
- **Summer Writing Institute Presentations:** A triad of enriching workshops providing an encompassing overview of the grant process.
- **College of Liberal Arts Mixer Presentation:** An opportunity to engage faculty of all backgrounds and provide ORED-related resources.

Recognizing faculty, staff, and student research efforts is critical in creating an environment conducive to research excellence. The Senior Grant Development Specialist leads these communication efforts as editor of both *Quest* research magazine and the Research @ the Beach newsletter. *Quest*, which is designed for both internal and external audiences, is distributed in print and online. This year's edition highlighted the research of 15 faculty with the lead story being the campus focus of increasing support to AANAPI students. The Research @ the Beach newsletter is intentionally designed for a campus audience and promotes new grants and research-related stories. This year's editions featured all new funded internal and external grants along 15 faculty and 4 student stories.

## **VI. Research Compliance**

CSULB has made continuous efforts to enhance its research compliance programs, with key improvements and initiatives implemented in the past year:

### **Institutional Review Board (IRB):**

- Reviewed 570 protocol submissions in AY 2023-2024, including 286 new protocols and 148 amendments.
- Processed submissions via Full Board Review (1), Expedited Review (75), Exempt determination (183), Administrative Review (290), Ceded (1), and assigned as NOT HSR (20).
- Supported the CSU Chancellor Office with designated IRB and consultation services.
- Implemented improvements to IRB operations, including close supervision of new staff, streamlining submission/review processes, revising IRB forms, and providing workshops and one-on-one consultations.

### **Institutional Animal Care and Use Committee (IACUC):**

- Reviewed and approved 1 new protocol, 8 third-year renewals, 1 major modification, 7 minor modifications, and 24 annual reports.
- Managed 32 active protocols, including research and teaching/observation, with involvement from 21 faculty/staff, 1 post-doc, 27 graduate students, 36 undergraduates, and 1 volunteer.
- Completed biannual DEA regulated drug inspections and found no major deficiencies in semi-annual programmatic reviews and facilities inspections.
- Addressed one incident report and one non-compliance case, and updated IACUC forms to meet regulatory requirements.

### **Responsible Conduct of Research (RCR) Training:**

- Migrated RCR training to Canvas, providing 21 workshops (13 via Zoom, 8 in person, 7 evening sessions) to increase attendance.

### **Federal Regulation Updates:**

- Updated federal registrations (e.g., FWA/IRB with HHS-OHRP, IBC with NIH, IACUC with NIH-OLAW and USDA).
- No research misconduct was reported.

### **Animal Welfare:**

- Recruited new attending and backup veterinarians to ensure animal welfare in research projects.
- Completed compliance reviews for approximately 450 new grant/contract applications, focusing on RCR training and Financial Conflict of Interest (FCOI) disclosures.
- Ensured no research with live animals or human subjects commenced without IACUC and IRB approval.

### **Material Transfer and Data Sharing:**

- Reviewed 8 Material Transfer Agreements and 6 Non-disclosure/Data sharing Agreements for inter-institutional collaboration.

### **Academic Centers and Institutes (ACIs):**

- Collaborated with Academic Senate on 5-year reviews for five centers and institutes.
- Collected Annual Reports for 22 ACIs, updated the active list on the ORED website, and submitted the ACI Annual Report to the Chancellor's Office.

## **VII. Innovation and Economic Development**

We have drafted a new Patent Policy and a separate new Copyright Policy to retain title and ownership of intellectual property discovered or developed over the course of sponsored research and collaboration. These policies aim to evaluate its commercial potential, manage its protection, and support its commercialization for our faculty, students, and staff while improving compliance with federal regulations. The new policies have been presented to and received approval from the Academic Senate Executive Committee and the Faculty Personnel Policy Committee.

Additionally, we have completed execution of an agreement with a faculty-led startup to commercialize a potential drug for Alzheimer's Disease and other chronic conditions discovered and developed in the research labs of CSULB. We have established a commercialization pathway by providing resources and support for our startups to engage with our ecosystem and participate in conferences and showcases. Notably, we had the first CSULB startup to present at the Alliance for Southern California Innovation First Look Innovation Showcase, where they had the opportunity to connect with entrepreneurs, corporate partners, and venture investors.

## **VIII. Undergraduate Research**

The Office of Undergraduate Research Services (OURS) is dedicated to offering inclusive research opportunities to all undergraduate students at CSULB. Our growth and success are driven by strategic initiatives focused on outreach and collaboration with various undergraduate research programs and partners. Below are the key collaborations and activities that have been instrumental in expanding OURS:

### **Faculty Mentor Directory**

The Faculty Mentor Directory is a searchable, campus-wide database of faculty mentors who actively engage with students in various undergraduate research programs.

- At the start of each academic year, the directory is shared with Deans and Associate Deans, who then distribute it to faculty interested in joining or updating their information.
- We also collaborate with the Faculty Center to share the directory with new faculty members.

## **OURS Research Certificate**

In partnership with BUILD, the OURS Research Certificate Program offers students an additional curriculum that complements their participation in externally funded research programs. The certificate is designed to minimize any impact on students' graduation timelines.

- **AY 23-24 OURS Participants:** 130 students
  - 21 first-year students
  - 27 second-year students
  - 44 third-year students
  - 38 fourth-year students
- **Certificates Issued:**
  - Fall 2023: 5
  - Spring 2024: 11
  - Summer 2024: 5

## **Information Sessions**

OURS organizes bi-annual information sessions that bring together directors, program coordinators, and PIs from various undergraduate research programs. These sessions provide valuable insights into the different research experiences available to current and prospective CSULB students.

- A third session features an Alumni Panel, where former participants share how their undergraduate research experiences (UREs) have influenced their educational paths, careers, and decisions to pursue graduate studies.

## **Student Research Competition (SRC)**

In collaboration with the Graduate Center, OURS manages the Student Research Competition, showcasing excellence in scholarly research and creative activities among CSULB students.

- **2024 Participation:** 62 students
  - 9 students presented at the Statewide competition at Cal Poly SLO
    - 1st place winner in Health, Nutrition, and Clinical Sciences
    - 2nd place winner in Humanities and Letters

## **Week of Research, Scholarly, and Creative Activity (RSCA)**

This event celebrates the exceptional work of students, staff, and faculty across CSULB. It aims to foster campus-wide engagement by encouraging participation in events beyond one's discipline.

- **2024 Event Highlights:**
  - Undocu Conference
  - Grad Slam 2024 Viewing
  - Health & Human Services Research
  - Undergraduate Research Opportunity Program Symposium
  - Faculty Research Awards for Racial Equity, Diversity, and Inclusion

- Student Presentation on Spectroscopic Study of Aldol Products
- Research on Wordless Picture Books in Speech-Language Pathology
- Summer Student Research Assistant Presentations
- Latinx Resource Center Research Presentation
- 52nd Annual Psych Day by PSA/Psi Chi
- 2024 Transnational Feminist Solidarities (TFS) Conference
- Green Generation Showcase
- Autism Research Group Presentation
- Center for Latino Community Health Presentation
- Research Program Mixer
- Student Dietetic Association Symposium

#### **IX. Objectives for FY 2024-2025: Advancing Research Excellence and Innovation**

As I conclude my tenure as Associate Vice President for Research and Economic Development after 10 years in the role, I recommend that the office further enhance our research capacity in alignment with the BEACH 2030 Strategic Priorities. Our focus should remain on elevating research and innovation through the following strategic objectives:

- **Cultivating an Enabling Research Environment:** Fostering a campus environment that serves as a catalyst for research and creative pursuits.
- **Strategic Research Prioritization and Funding Advocacy:** Identifying campus-aligned research priorities and empowering faculty to pursue external funding.
- **Intellectual Property and Innovation Partnerships:** Building infrastructure to facilitate the commercial development of innovations, opening new revenue streams.

For specifics, I defer to Barbara Taylor, Interim Associate Vice President for Research and Sponsored Programs, who will lead the office in advancing these strategic objectives. These efforts will drive transformative change and innovation at CSULB.