

October 2013

Dr. Francisca Beer

2013 Annual Report



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Introduction

The Office of Student Research (OSR) aspires to be known as a clearing house for all the research and creative activities undertaken at CSUSB. The OSR mission is also to enrich the academic experience of all CSUSB graduate and undergraduate students by providing research and scholarly experiences in their chosen fields. Ideally, the OSR will be regarded as the CSUSB entity that best encourages and supports students' inquiry, discovery, and creativity in all disciplines through faculty- student relationships, research, and creative activities¹. By doing so, the OSR contributes to CSUSB's mission to offer a challenging and innovative environment to retain graduation rates, driven by teaching and research excellence, intellectual interaction and creativity².

The OSR was created in September 2011 by the Provost Dr. Andrew R. Bodman and Associate Provost for Research and Dean of Graduate Studies Dr. Jeffrey M. Thompson. The OSR is located within the Office of Academic Research and the Director and Assistant Dean, Dr. Francisca M. Beer reports to the Associate Provost for Research and Dean of Graduate Studies, Dr. Jeffrey M. Thompson. [Since Fall 2012, OSR has a physical location in the Graduate Studies Office]³. The current board members include Dr. Kelly Campbell from the College of Social and Behavioral Sciences, Dr. Marita Mahoney from the College of Education, Dr. Kimberly Cousins from the College of Natural Sciences, Dr. Jennifer Anderson from the College of Arts, and Dr. Krisha Ogilvie from the College of Business and Public Administration.

The OSR provides substantial benefits to students. Students involved in research and creative activity acquire academic skills that transfer directly and effectively to their coursework. A research component is a fast track to professionalism, both because it introduces students directly to the tools and methods of their disciplines, and because it introduces them to a community of scholars, researchers, and practitioners. Finally, being involved with research and creative activity provides valuable credential in the eyes of graduate programs and potential employers. Research shows the importance of prior research experience for graduate school admissions. Mumby (2013); Saunders and Landrum (2012) stated, "Most students recognize the importance of getting relevant experience in research or fieldwork prior to applying to graduate

¹ Source: OSR Assessment Plan Spring 2013

² Source: CSUSB website

³ During the academic year 2012-2013, the OSR hires one graduate assistant and one intern

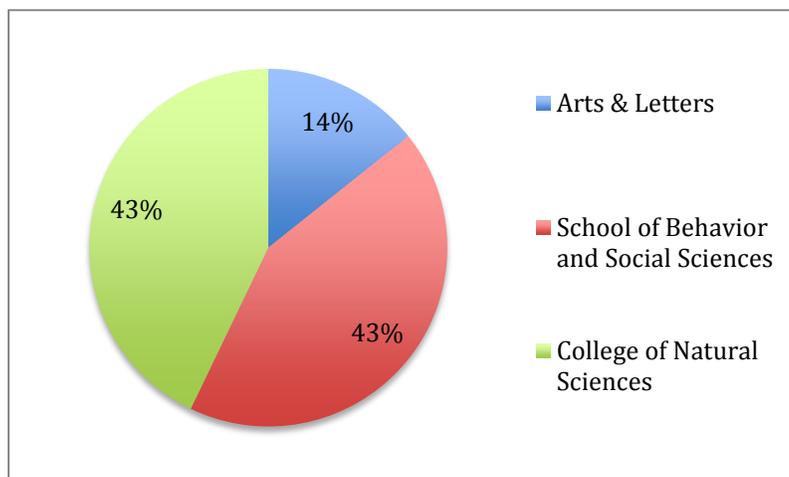
school. Indeed, relevant experience is one of the most important of the nonobjective criteria that admissions committees and prospective supervisors assess in graduate school applicant. For some programs it is virtually a requirement⁴.” To sum it up, the OSR helps undergraduate and graduate students advance their degrees. This document provides an overview of the OSR activities undertaken during the academic year.

Faculty/Student Grant and Student Grant

Starting February 27th 2013, the OSR offered grants for Faculty/Student research team and student grants⁵. All the information about these grants: guidelines, templates, and the timeline have been developed by the OSR Director and are available online at the OSR website. The OSR Faculty/Student Grants (\$1500 per grant) are designed to facilitate the initiation and/or development of collaborative research or creative activity between students and faculty. Projects under this program are intended to provide students with in-depth “hands-on” experience in the research or creative activity process. Student Researcher Grant (\$500) are designed to encourage student participation in research projects and creative activities outside of the traditional classroom environment. Applications are accepted and reviewed by an OSR committee. This year OSR received 14 Student Grant applications and awarded 11 students from the Colleges of Social and Behavioral Sciences, Natural Sciences and Arts and Letters. OSR awarded one Faculty/Student Grant from the College of Natural Sciences. Table 1 below shows this.

⁴ Source: Mumby, Dave. "The Importance of Relevant Experience in Grad School Application - Career Services - www.usu.edu." *Welcome to Utah State University*. N.p., n.d. Web. 3 Oct. 2013. <<http://www.usu.edu/career/htm/students/grad-school-prep/experience>>.

⁵ At CSUSB OSR assists both graduate and undergraduate students, while most campuses focus on undergraduates only.

Table 1. Faculty/Student Grant Awards⁶

ASI Money & IRP

The on-campus Associated Students Incorporated Organization (ASI) and Instructionally Related Programs (IRP) provides many services for students, one of which provides funds to support student research. Since September 2012, the OSR manages these funds. These funds are designed to fund a variety of student research projects for independent studies, academic courses, honor's projects/master's thesis projects, presenting at a conference, attending a conference, or studying abroad⁷.

Tables 2 and 3 below represents the amounts awarded. During the 2012-2013 academic year, the OSR awarded a total of \$56,701.75 in travel and research grants and IRP awarded a total of \$24,205.15 in travel and research grants⁸. Table 4 shows the number of grants awarded by ASI and IRP per college.

⁶ College of Arts & Letters: 2; School of Behavior and Social Sciences: 6; College of Natural Sciences: 6

⁷ ASI is the Associated Students Incorporated organization composed entirely by students for students, and the Instructionally Related Programs Board consists of six students, three faculty members, three administrative members, and co-chaired by the ASI Vice President of Finance and the Associate Vice President for Student Affairs.

⁸ Source: Graduate Studies

Table 2
Student Research and Travel Funds (ASI)

	Fall	Winter	Spring	Total
Applicants	15	28	29	72
Awarded	15	28	29	72
Amount Awarded	\$12,931.00	\$16,787.00	\$26,983.75	\$56,701.75

Table 3
Student Research and Travel Funds (IRP)

	Fall	Winter	Spring	Total
Applicants	13	11	16	40
Awarded	13	11	15	39
Amount Awarded	\$11,197.50	\$6,600.00	\$6,407.65	\$24,205.15

Table 4
Number of Students Awarded per College (ASI & IRP)

	ASI	IRP
School of Business and Social Sciences	50	25
College of Business and Public Administration	1	1
College of Arts and Letters	9	8
College of Education	5	1
College of Natural Sciences	11	0
Total students Awarded	76	35

27th CSU Student Research Competition & Annual Symposium

The success of the first annual symposium inspired OSR to prepare a second event. The Second Annual OSR's Annual Symposium was again organized to showcase a wide range of students' research and creative activities. As stated in our previous annual report, the symposium provided students with opportunities to present their work and to experience the full breadth of their specific research areas. It also allowed students to receive feedback from faculty as well as their peers. It is designed to be a platform for networks of student researchers, alumni, and faculty members⁹.

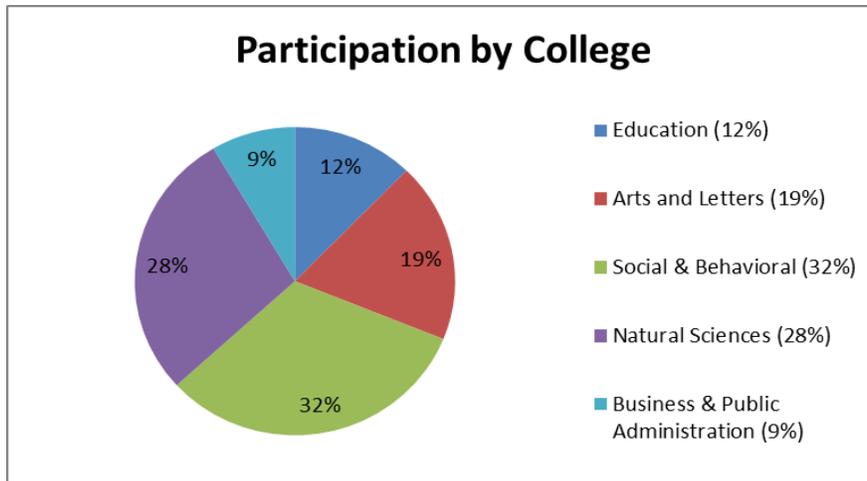
The 27th Annual CSU Student Research Competition was hosted by California State Polytechnic University, Pomona, on May 10-11, 2013. Student participants showcased oral presentations before juries of professional experts from major corporations, foundations, public agencies, colleges and universities in California. The 27th Annual CSU Student Research Competition is very competitive, students from all CSU campuses competed for first and second place awards in their division. Despite the competitiveness of this statewide competition, CSUSB student representatives have earned a great success! Out of 20 sessions and 200 participants, two CSUSB students (Michelle Stone from the College of Social and Behavioral Sciences, "*Prozac Exposure during Adolescence Impairs Spatial Memory Performance in Adulthood*" and Audrey Hovannesian from the College of Education, "*100 Dinner Project-Conceptual Change Theory in Education: Using Home Visits to ReShape Teacher Perceptions of Students*") were selected for first and second place at the annual symposium. Prior to the competition, OSR assisted students with preparing their presentations. After the event, OSR provided a brief debriefing followed by a small reception.

Compared with last year, The "Meeting of the Minds" Symposium had more presenters as well as audience members. We had 43 oral presentations, 35 poster presentations, and 26 research competition participants. A total of 330 attendees were at this event. This is a significant increase from the 235 attendees during the academic year 2011-2012. OSR has thus successfully

⁹ This year the symposium was combined with the 27th Research Competition. The events were combined to lower costs and increase participation.

increased the number of attendees from last year. Table 5 below depicts the presentation percentages per college¹⁰.

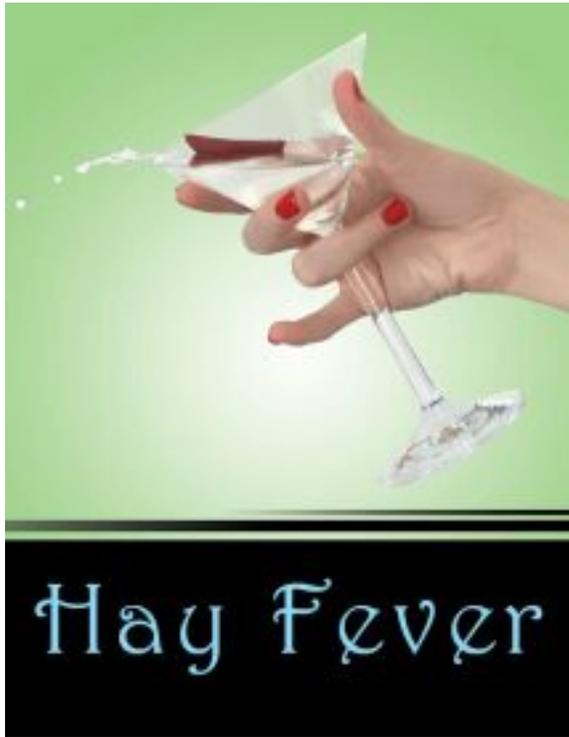
Table 5. Total Participation by College



The event began with opening remarks by President Morales and Dr. Francisca Beer as well as a play from the Department of Theatre Arts. After the speeches, Assembly Members Mike Morell and Cheryl Brown gave praise to the students that presented their work at CSUSB's Annual Symposium. A certificate from congress stating, "Your commitment to promoting academic learning through student engagement is truly appreciated and serves as a shining example" was awarded to OSR.

¹⁰ College of Education: 13; College of Arts and Letters: 23; College of Social and Behavioral Sciences: 21; College of Natural Sciences: 30; College of Business and Public Administration: 19

Following the recognition, students from the Department of Theatre Arts presented an



excerpt of the play-- "Hay Fever" under the direction of Dr. Tom Provenzano. The event also featured a keynote speech by Dr. Sergio D. Iñiguez about "Prozac Exposure during Adolescence Modulates Responses to Cocaine in Adulthood." The symposium concluded with a poetry reading by Dr. Juan Delgado's group of student poets. At the conclusion of the symposium, a reception was given to the participants and attendees.

The OSR team spared no efforts to make this event a success. Invitations were sent to all CSUSB administrators, faculty and students numerous times. Flyers and posters were designed

and distributed, club presidents were contacted, campus-wide emails were sent to every student and faculty member, and the event was promoted on the OSR website and Facebook page.

Compared to last year, the location of the event was centralized in the Santos Manuel Student Union. Requirements for presenters were created and registration forms were posted on the OSR's and Graduate Studies' webpage; guidelines and instructions for oral and poster presentations were prepared. OSR Director and assistants reviewed applications, separated them per category, and kept updating the lists of both oral presentations and poster presentations. An agenda was prepared; the schedule was developed; and the event program was created. In the meantime, every attendee was kept informed of the updated information.

All AV equipment, microphones and overhead projectors were ensured to be ready for use. Staffs from OSR and Graduate Studies ordered refreshments and food for lunch, and prepared sign-up sheets. In order to acknowledge participants, certificates for presenters were prepared and gifts for keynote speakers and professor moderators were chosen. In addition, President Morales sent a signed recognition letter to each student presenters and their faculty supervisors to recognize their achievement. Thank-you notes were also sent to all attendees by the OSR director.

Faculty Survey Report

OSR team launched a web-based survey in Spring 2012 to capture faculty 's perceptions of graduate/undergraduate research and creative activities at CSU San Bernardino. OSR finalized the faculty survey report in Winter 2013. The report contains five parts. Part 1 captures the response rates and percentages of participating faculty members from each college. Part 2 examines faculty involvement with student research and creative activities as well as faculty opinions regarding student outcomes, improved ability and valuable research experience. Part 3 investigates faculty time and effort involved in student research and faculty benefits from supervising student research. Part 4 seizes faculty opinions and comments regarding obstacles to working with student involved with research and creative activities. Part 5 concludes this report and provides some recommendations to facilitate students' engagement with research and creative activities. As far as we know, this is the first time that this type of survey has been conducted at CSUSB.

While CSUSB and OSR are aware of the importance of encouraging research and creative activities on campus, the implementation of such research and creative activities is difficult to develop, due the difficulties of engaging faculty members to supervise research. With the absence of sufficient funds to bring in useful resources for both faculty and students, and the lack of support for faculty/student teams from the administration, many faculty members are finding it difficult to dedicate much time to involve themselves with student research. Currently, faculty members at CSUSB are not receiving any incentives from administration (i.e. less teaching loads, course credits, promotion/tenure-track opportunities) to supervise student research.

Part of the result of this survey has been made into a poster and displayed in the 2nd annual symposium and received positive comments. The OSR director prepared an article based on the survey to the 2013 URPD Windows of Opportunity Undergraduate Research Conference. The article was submitted and accepted for presentation at Chapman University in Orange, California on June 22- June 23, 2013. Dr. Beer co-presented the Faculty Survey Report with Daniel Moore (BYU Idaho) and Sumana Datta (Texas A&M).

OSR Journal of Student Research

In fulfilling part of OSR's mission to enrich the academic experience of all CSUSB undergraduate and graduate students, the OSR Journal of Student Research was established. For students, publishing in a research journal has lifetime benefits, such as refining their communication skills, enhancing their resume and editing their research precisely. It is a centralized biannual online peer-reviewed journal used to foster academic dialogue, to promote an opportunity for undergraduates and graduates to publish their scholarly and creative works, as well as to provide a valuable learning experience. The first edition was completed this year and includes the proceedings and articles selected from this year's 2nd annual "Meeting of the Minds" Student Research Symposium. For the first edition, there were 6 articles published by students from all colleges. OSR staff organized and published these student articles in the inaugural volume of the Spring 2013 edition of the Journal of Student Research. The number of published articles per college is displayed below in Table 6.

Table 6. Number of Articles Submitted by College

College	Number of Articles
College of Education	1
College of Arts & Letters	0
School of Behavior and Social Sciences	1
College of Natural Sciences	3
College of Business and Public Administration	1
Total	6

OSR Assessment Plan

The OSR Assessment plan assesses the mission, vision, goals, objectives, and outcomes of OSR. The plan listed each goal for OSR, how that goal would benefit OSR, evidence of that goal being measured (i.e. through student surveys), and what the outcomes of that goal would be.

As a result, the assessment plan listed three specific goals that OSR hoped to achieve this academic year. The assessment plan was needed for OSR to receive Student Success Initiative Funding, as a full assessment plan is required for any school to be eligible to receive any form of funding. Table 7 summarizes the assessment information.

Table 7. OSR Assessment

<p>MISSION: The mission of the Office of Student Research (OSR) is to facilitate the engagement of students in scholarly activities related to their disciplines by providing resources that support both student scholars and faculty mentors. The OSR mission is also to enrich the academic experience of all CSUSB graduate and undergraduate students by providing research and scholarly experiences in their chosen fields</p>		
<p>VISION: The Office of Student Research (OSR) aspires to be known as a clearing house for all the research and creative activities undertaken at CSUSB. It is our vision that the OSR will be regarded as the CSUSB entity that best encourages and supports students' inquiry, discovery, and creativity in all disciplines through faculty-student relationships, research, and creative activities</p>		
Goal/Outcome	How	Evidence
<p>The OSR aims to assist students to understand and evaluate their progress toward being a successful college student.</p> <p>Students will:</p> <ul style="list-style-type: none"> • better use their personal skills and abilities • better evaluate their strength and weakness. • be motivated to be "good" students • develop better view of themselves • be better prepared to be intelligent and critical thinkers • develop a sense of belonging to the CSUSB community 	<ul style="list-style-type: none"> • Increase presence of OSR in campus • Organize symposium • Organize CSUSB research competition • Organize workshops • Showcase best researchers on OSR website • Motivate students by honoring them annually 	<ul style="list-style-type: none"> • Longitudinal Survey of Students' Opinions • Longitudinal Survey of Faculty' Opinions
<p>The OSR wishes to assist students to communicate effectively and display professionalism.</p> <p>-To increase initiative and confidence, likelihood of acceptance into graduate school and distinguish themselves for their peers.</p> <p>Students will also learn to:</p> <ul style="list-style-type: none"> • share information with others • articulate ideas • reflect on future career • develop practical skills • value the contribution of others • show initiative • evaluate critiques 	<ul style="list-style-type: none"> • Organize symposium • Organize CSUSB research competition • Organize workshops • Provide funds for student research supplies and travel • Provide statistical support • Provide Poster support • Provide Presentation support 	<ul style="list-style-type: none"> • # of students who participate in symposium • # of students who participate in CSUSB competition • # of students who attend workshops • # of students that decide to attend graduate school • # of students who decide to pursue a Ph.D • # of students applying for ASI funding • # of students applying for OSR funding • # of students who join OSR on Facebook
<p>The OSR aspires to help students appreciate research and creative activities by being exposed to the outcomes of the various disciplines represented on campus.</p> <p>Students will learn to:</p> <ul style="list-style-type: none"> • learn to put classroom knowledge into practice 	<ul style="list-style-type: none"> • Organize symposium • Organize CSUSB research competition • Organize workshops • Develop a student research journal 	<ul style="list-style-type: none"> • # of students in program that graduate • # of articles in journal • # of students participating at research conference • # of students participating in symposium

<ul style="list-style-type: none"> • establish relationships with faculty and other student research • benefit from stimulation that comes with critical thinking • better understand research methodologies • increase their likelihood of getting accepted into graduate school • distinguish themselves from others • grasp the philosophy of lifelong learning • gain better understand of facts • develop familiarity with a subject • will discover new things examining and questioning the available information • start the process of integrating knowledge as a result of being exposed to an interdisciplinary knowledge 	Provide student research support (workshops, statistical support, poster prep)	<ul style="list-style-type: none"> • # of students attending workshops
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WORKSHOPS

The OSR also designed and offered several workshops to prepare students with the relevant information they needed when applying to graduate schools, doing research, using Excel, preparing for Ph. D programs, grants, and FAFSA. In total 114 students attend the workshops. Similarly to all the other activities, the OSR was responsible for finding speakers, preparing materials, and reserving venues for all of the workshops. Table 8 below shows the number of attendees per workshop.

Table 8. Numbers of Attendees Per Workshop

Workshop	Number of Attendees
GRE Workshop	13
Grant Writing	15
Excel Workshop	13
Steps to Becoming Graduate Student	56
Introduction to Ph. D. Program	5
FAFSA and Scholarship	4
How to...Ph.D	4
Introduction to Graduate Studies & APA	4

Basics	
Total	114

[GRE workshops](#)

The GRE workshop was facilitated by Laura Tracey from Kaplan Test Prep. The workshop addressed the timeline of the admissions process, statement of purpose, obtaining letters of recommendation, and entrance exams preparation courses. This workshop was co-sponsored by The Panhellenic Council, and The United Sorority & Fraternity Council.

[Grant Writing Workshop](#)

The grant writing workshop was facilitated by Dr. Cynthia Crawford from the Department of Psychology. The workshop emphasized basic aspects of grant writing, including types and sources of funding, grant terminology, and characteristics of fundable proposals.

[Excel Workshop](#)

The Excel workshop was facilitated by students. Topics included the time value of money, bond valuations, common stock valuations, and statistics modeling techniques.

[Steps to Becoming a Graduate Student](#)

This workshop was led by Barbara Delaney from Kaplan Test Prep, and covered areas of the graduate school application process including the application itself, exams needed, personal statements, GPA requirements, and recommendation letters.

[Introduction to Ph.D. Program](#)

The Ph.D. workshop was facilitated by Dr. Hoffman and Dr. Campbell from the College of Social and Behavioral Sciences. The workshop introduced students to the Ph.D. Program; the application process, and what to expect during a doctoral program in terms of course requirements and the dissertation.

[FAFSA & Scholarship](#)

The FAFSA & Scholarship workshops were facilitated by Roseanna Ruiz from the Financial Aid office. This workshop introduced students to the financial aid process; how

to apply for financial aid including grants, loans, and scholarships. This workshop also gave students' many resources as to where to find various scholarship opportunities.

[How to...Ph.D.](#)

This workshop was facilitated by Anna Phillips from the College of Business and Public Administration It gave students insight into the Ph.D. program; what to expect during their doctoral studies and resources for success during their doctoral studies.

[Introduction to Graduate Studies and APA Basics](#)

The Introduction to Graduate Studies workshop was facilitated by Maria Domingo from the Graduate Studies Office, and gave students more information about graduate school, what to expect after being accepted, course requirements, and tools for success. This workshop also familiarized students to basics of the American Psychological Association (APA) style of writing.

Council on Undergraduate Research (CUR) conference

The OSR Director attended the Council on Undergraduate Research (CUR) conference in October 2012 (Conference of Research Experiences for Undergraduates Student Scholarship (REU Conference)). The conference was held October 21-22, 2012 at the Arlington Hilton in Arlington, VA. This conference featured presentations by students from REU programs in all disciplines, sessions for REU administrators and faculty, and opportunities to meet with representatives from the National Science Foundation and other government agencies.

This conference offers a large number of resources including sessions on assessment, coordination of REU activities, and recruiting of students for REU programs, opportunities with NSF program directors and other REU administrators, etc. In attending the sessions and conversing with colleagues from other institutions, OSR director has brought in valuable experiences in regards to OSR development.

OSR Website and Facebook Page

The website was launched in Winter Quarter 2011 to presents a professional image for the office. OSR team continues to contact every group on campus to require information about research and creative activities. The webpage contains resources including ASI support for Research and Travel, internships, community-based research projects, graduate school programs

and entry-test preparation. OSR website also centralizes resources on campus such as assistance from expert librarians and statisticians, Council for Undergraduate Research (CUR), Institutional Review Board (IRB), and Zotero. It also features program information from each college. During Fall 2012- Winter 2013, OSR staffs created a section titled “Breaking News” to showcase students’ achievements including students’ presentations in major research conferences as well as honors in nation- or state-wide competitions.

It is also through the website that the 2nd annual symposium had been initiated and the application processes had been finalized. OSR is currently in the process of creating a paperless application process for the annual symposium. Visits to the OSR website has been tracked using an online tracker tracking page view.

OrgSync

The Office of Student Research is now participating in OrgSync. OrgSync is an online community for campus departments and programs to communicate with students and professional staff. OSR continuously used OrgSync to promote and advertise the Annual Symposium, workshops, and student/faculty grant opportunities. OSR also used OrgSync for RSVPs to OSR events and to obtain feedback for OSR events. Utilizing OrgSync has proven to be quite beneficial for students and faculty to get connected to our office, shown through the numerous positive comments and feedback we have received from members.

Funding

During the academic year 2012-2013, OSR was funded by Provost Bodman (\$8,000) and the student success fee (\$10,000). The OSR director also secured financial support \$5,000) in grants. For the 2012-2013 academic year, the OSR budget was \$2,300. The total expense for the year was \$16,276.26. Funds were used to support the symposium, event supplies and services, hospitality for events, rental space, awards, workshops, grants, the CUR Conference, and the Research Journal. The exact amounts used to fund each expense are shown in the table below.

2012-2013 OSR Expenses¹¹

Symposium	\$1,512.65
Supplies and Services, Duplicating	\$344.50
Hospitality by OSR (food)	\$1,089.61
Hospitality by Graduate Studies (food)	\$1,089.61
Rental Space	\$2,220.00
Contribution to Awards	\$1,600.00
Workshops	\$300.50
Grants	\$7,000.00
CUR Conference	&1,092.39
Research Journal	\$27.00
Total	\$16,276.26

Conclusion

The OSR team and its board members continue to develop the Office of Student Research activities. It is our vision for the OSR to be recognized as the CSUSB entity that encourages and supports faculty-student research and creative activities in all disciplines. As shown in this report since its inception in 2011, the OSR has provided grants for faculty and students, administered ASI and IRP funds, organized the 27th Research Competition and Annual Symposium, prepared the Faculty Survey Report, created an OSR Journal of Student Research, developed an assessment plan, organized numerous workshops for students, created an OSR Facebook page, and joined Orgsync. The OSR's continuous mission is to enrich the academic experience of all CSUSB graduate and undergraduate students by providing valuable research and scholarly opportunities in their chosen disciplines. The OSR is regarded as the CSUSB entity that encourages and supports students' inquiry, discovery, and creativity in all disciplines. The OSR continues to contribute to CSUSB's mission to offer a challenging and innovative academic environment for all students to retain graduation rates, encourage teaching and research excellence, and support intellectual interaction and creativity.

¹¹ Source: Graduate Studies