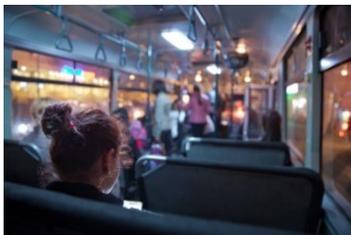## STUDENT SPOTLIGHT

Viviana Alvarez Rodriguez is an undergraduate senior majoring in history. She began attending CSUSB in the fall of 2018. During the past 2 years, she has participated in several academic conferences presenting research. At the 2022 CSU Research Competition, Viviana had the opportunity to represent CSUSB. Recently she had the opportunity to participate in the Summer Undergraduate Research Fellowship program at UCI, where she spent the summer doing research under the mentorship of Dr. Rachel O'Toole. As a Mellon Mays Undergraduate Fellow and more recently, a CSU Pre-doctoral Scholarship recipient, Viviana had the opportunity to do research at CSUSB on student involvement in the Nicaraguan Revolution under the mentorship of Dr. Santoni. "My research interest is in student activism and youth mobilization from the 1970s to the contemporary". Once Viviana completes her BA in history, she would like to pursue a doctoral degree with the goal of becoming a professor at a public university.

FEATURED CENTER

LEONARD TRANSPORTATION CENTER (LTC)
Under the leadership of Dr. Kimberly Collins, the LTC is exploring mobility equity and sustainability in the Inland Empire. "We are looking to better understand and provide policy input to innovative methods that will improve the

service and mobility of disadvantaged communities in the region." The transportation system has been constructed with primarily automobile travel in mind. Still, public transportation is a vital mobility factor for many people in the I.E. The LTC completed a study this past year that explores the performance of public transit services and their impact on underserved communities using big data, data mining, and modeling. CSUSB undergraduate and graduate students also participated in the research and implementation process. The results provide a basis for further understanding the needs of the region and envisioning a better system for mobility. This project aligns with the LTC vision "Leonard Transportation Center (LTC) believes that the region's transportation system is at a critical point where innovative transportation solutions need to be implemented to improve the Inland Empire (IE) residents' quality of life."

AGENCY NEWS

The National Science Foundation (NSF) has released information on its Proposal and Award Policies & Procedures Guide (PAPPG), effective January 30, 2023. Important summary of changes to the PAPPG can be found at https://beta.nsf.gov/policies/pappg/23-1/summary-changes.

2022-23 STATS AT A GLANCE

SUBMITTED[1]	AWARDED[1]	EXPENDED[2]	PUBLICATIONS[3]	IRB[4]
$42.4M	$25.3M	$7.1M	205	22

[1] Grants and contracts submitted/awarded, July 1 to September 30, 2022.
[2] Funds expended from July 1 to September 30, 2022.
[3] From Web of Science *only,* January 1 to November 28, 2022.
[4] Institutional Review Board (IRB) applications, July 1 to September 30, 2022.

FACULTY SPOTLIGHT

Dr. Brian Heisterkamp is a Professor of Communication Studies, with specialization in Language and Social Interaction and Conflict Management/Mediation. Dr. Heisterkamp led the successful implementation of the US Department of Education (ED) HSI grant, "Here to Career" from 2016 – 2022. He was awarded another 5-year (2022-2027), $3 million, ED grant to support "Pathways to Success," a collaborative project with Norco College and San Bernardino Valley College. The project aims to "expand education opportunities in the arts and humanities by improving career readiness, enhancing student success, and expanding opportunities for engagement with high-impact practices through offering career readiness programming, internships, asset-based teaching, peer-mentoring, family outreach, asset-based teaching, peer-mentoring, family outreach, and interdisciplinary project engagement." For more details see the Inside CSUSB article.

FUN TIMES

This year, the Academic Research (AR) Team welcomed future members of the Coyote Pack!

NOTICES OF NEW AWARDS

CSUSB received 31 new grant awards for the total amount of **$35,858,686** from July 2022 to September 30, 2022.

PI(s)*/DEPARTMENT	SPONSOR	PROPOSAL TITLE	AMOUNT
Agars, Mark* Child Development	San Bernardino County Superintendent of Schools	Quality Start San Bernardino - SBCSS 2022-23	$216,000
Agars, Mark* Child Development	San Bernardino County Superintendent of Schools	Tutoring Program 2022-23	$51,179
Agars, Mark* Child Development	San Bernardino County Superintendent of Schools	BeFAST Cognitive Training Program	$200,000
Agars, Mark* Child Development	Riverside County Superintendent of Schools	Classroom and Assessments - Early Care and Education (QSRC 2022-23)	$175,700
Alford, Jennifer* Geography	Inland Empire Resource Conservation District	Community-Based Forest Resiliency, San Bernardino National Forest, California	$159,996
Bichler, Gisela* Criminal Justice	Sam Houston State University (Prime: National Institute of Justice)	Gun Wars and Community Terrorization: Investigating Longitudinal Gang Violence in New Jersey from a Networked Perspective	$47,244
Bidgoli, Tandis* Geology	National Science Foundation	EAGER: Using machine learning to develop a calibrated, remote sensing-based age model to improve late Quaternary slip-rate estimates in arid environments	$145,692
Brunet, Nicolas* Psychology	National Institutes of Health	Improving the reliability of eye tracking to diagnose concussion	$296,639
Chao, Mike* **Vickers, C.** (Co-PI), **Pantula, S.** (Co-PI) **Nickerson, D.** (Co-PI), Biology	National Science Foundation	HSI Institutional Transformation Project: Retention and Achievement for Introductory STEM English Learners (RAISE)	$2,993,497
Coulson, Tony* IDS & CSC	National Security Agency	GenCyber High School at CSUSB (2022-2024)	$81,440
Coulson, Tony* **Nestler, V.** (Co-PI) IDS & CSC	National Security Agency	NSA_CAE National Center_2022-2025	$17,576,032
Crismani, Matteo* Physics	National Aeronautics and Space Administration	Martian Cloud Watching	$72,002
Dhillon Brar, Manpreet* Child Development	College Futures Foundation	Decreasing Equity Gaps in Degree Completion by Empowering CSU Students, Staff, and Faculty through Action-Oriented Projects informed by Intergroup Dialogue	$125,000

*Principal Investigator

NOTICES OF NEW AWARDS JULY 2022 – September 30, 2022 (continued)

PI (s) */DEPARTMENT	SPONSOR	PROPOSAL TITLE	AMOUNT
Gomez, Edward* Art	American Council of Learned Societies (Prime: National Endowment for the Humanities)	The MexiCali Biennial: The Land of Milk and Honey	$66,906
Gomez, Pablo* Psychology	National Science Foundation	Collaborative Research: Reviewer Zero: Changing the culture of peer review to increase diversity, equity, & inclusion	$117,053
Heisterkamp, Brian* Communications	U.S. Department of Education	Pathways to Success: Creating Opportunities in the Arts and Humanities	$2,993,140
Hernandez, Dalia* Student Affairs	U.S. Department of Education	Upward Bound Math Science RUSD 2022-2027	$1,488,005
Hood, Carol* Physics	Riverside Community College District (Prime: National Science Foundation)	HSI Implementation and Evaluation Project: STEM Equity through Faculty Innovation	$208,526
Huhn, Arianna* Anthropology	Institute of Museum and Library Services	Afróntalo Exhibition	$49,995
Jones, Jacob* Psychology	Washington State University (Prime: National Institutes of Health)	URBAn Native Elders (URBANE): Risk and Protective Factors for Alzheimer's and Related Dementias	$376,648
Lopez Perez, Lua* Biology	National Science Foundation	NSF-BRC-BIO The only way is up: using historical and contemporary samples to elucidate the mechanisms behind altitudinal range expansion	$500,611
Nestler, Vincent* IDS	Pacific Northwest National Laboratory (Prime: U.S. Department of Energy)	Cyber Halo Innovation Research Program (CHIRP)	$483,928
Nestler, Vincent* **Coulson, T.** (Co-PI) IDS	U.S. Department of Homeland Security	Cyber Career Pathways Micro-Challenges	$1,020,226
Nestler, Vincent* IDS	Norwich University (Prime: National Security Agency)	NCAEC-001-2022 CPNC - 2.1.5. Competency Development and Documentation	$494,795
Ni, Anna (Ya)* **McIntyre, M.** (Co-PI), **Hou, Y.** (Co-PI) Public Administration	National Science Foundation	HSI Pilot Project: Improving Online STEM Education for Undergraduate Students in HSI contexts	$199,952
Stull, Michael* **Gudino, J.** (Co-PI) Inland Emp Ctr for Entr	U.S. Small Business Administration	CVWBC Renewal 2022-23	$150,000
Stull, Michael* **Shelton, K.** (Co-PI) Inland Emp Ctr for Entr	U.S. Small Business Administration	IEWBC Renewal 2022-23	$149,999
Sudhakar, Samuel* ITS	San Diego Supercomputing Center/UC San Diego (Prime: National Science Foundation)	CyberTraining: CIP: Training and Developing a Research Computing and Data (RCD) CI Professionals Community (RCD-CIP)	$1,194,674
Van Schagen, Amy* **Agars, M.** (Co-PI) Child Development	San Bernardino County Superintendent of Schools	Workforce Pathways - Early Childhood Administrative Leadership Certificate (ECAL) 2022/2023	$300,000

NOTICES OF NEW AWARDS JULY 2022 – September 30, 2022 (continued)

PI (s) */DEPARTMENT	SPONSOR	PROPOSAL TITLE	AMOUNT
Weiss, Douglas* **Norris, A.** (Co-PI), **Marteache, N.** (Co-PI), **Bichler, G.** (Co-PI) Criminal Justice	Riverside County Probation Department	Riverside County Probation Department Systemic Racism Project	$249,995
Wilcox-Herzog, Amanda* Child Development	U.S. Department of Education	CCAMPIS at California State University San Bernardino	$3,673,812

*Principal Investigator

WE DEFINE THE *Future*

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