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Maria Cruz

Taylor-Dawn Francis

Marissa Smith

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SAN JOSÉ STATE UNIVERSITY

McNAIR SCHOLARS PROGRAM

RESEARCH JOURNAL

* San José State University and McNair

The Ronald E. McNair Post Baccalaureate Achievement Program was established by Congress in 1986 after the tragic explosion of the Space Shuttle Challenger that killed seven crew members, including Dr. McNair. Funded by the U.S. Department of Education, the program provides institutions with grants to develop and implement successful programs that recruit promising and aspiring low-income and first-generation students and those from backgrounds underrepresented at the doctoral level and prepares them for the rigors of graduate level work. Currently, the program operates at 152 campuses across the country serving over 4000 scholars each year.

Since the McNair Scholars Program's inception at SJSU in 1996, McNair has successfully recruited over 200 low-income and first-generation students and individuals who are underrepresented at the doctoral level. Of those who have completed the program, 99.5% have earned their bachelor's degree, far exceeding the 16% - 20% for this population nationwide. Eighty percent of our SJSU graduates have finished or are pursuing a graduate school degree, and 100% of our students who are in graduate school are continuously enrolled. This year alone we had 11% of our SJSU Alumnus receive their Ph.Ds., which is quite a feat given that the national average for first-generation low-income students to receive their PhD is less than 2% (NSF 2017). SJSU has McNair alumni teaching or studying at universities across the United States, as well as in Germany, Columbia, Kenya, Australia, Turkey, and Morocco. We are extremely proud of our students and our program's successes.

San José State University does not discriminate on the basis of race, color, creed, national origin, gender, sexual orientation, age, or disability in the administration of its educational policies, admissions policies, fellowship and loan programs, or other programs. San José State University is in compliance with Section 504 of the Rehabilitation Act of 1973 and provides accessible walkways, ramps, and reserved parking spaces for the handicapped.

The information and policies included in this journal were current when printed, but are subject to change without notice. Additional and more current information may be found on the World Wide Web at <u>http://www.sjsu.edu</u>.

This journal can also be accessed at http://scholarworks.sjsu.edu/mcnair/.

MCNAIR PROGRAM STAFF

DR. STACY GLEIXNER Associate Vice President Student Academic Success Services

DR. MARIA ELENA CRUZ Director Principal Investigator

DR. MARISSA SMITH Research Coordinator

TAYLOR-DAWN FRANCIS Writing Specialist

MARTHA TORAL Administrative Coordinator

Faculty Mentors for the 2017-2018 Research Year

DR. VALERIE CARR DR. KATHERINE CHILTON DR. PATRICK CRAVALHO DR. MARIA ELENA CRUZ DR. BURFORD J. FURMAN DR. CARLOS EDUARDO GARCIA QUINCY DALTON McCRARY DR. NIKOS J. MOURTOS DR. DAVID SCHUSTER DR. KATHERINE WILKINSON

Editors DR. MARIA ELENA CRUZ TAYLOR-DAWN FRANCIS DR. MARISSA SMITH

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LINDA BYRD-JOHNSON Director of the Office of Federal Trio Programs

> CARMEN GORDAN Program Officer

SAN JOSÉ STATE UNIVERSITY ADMINISTRATION

DR. MARY A. PAPAZIAN President

ANDY FEINSTEIN Provost and Senior Vice President for Academic Affairs

STACY GLEIXNER Associate Vice President Student Academic Success Services

PAMELA STACKS Associate Vice President Graduate Studies and Research

A MESSAGE FROM THE DIRECTOR

The San José State University McNair Scholars Program is pleased to present the fourteenth SJSU McNair Scholars Research Journal. This journal represents the diverse and practical research experiences of the McNair Scholars during the 2017-2018 academic year.

I would like to congratulate the scholars for their hard work, dedication, and accomplishments during the spring course and in the summer research program. My sincere appreciation to the faculty mentors for their guidance, time, and commitment to the scholars, their research and the program. A particular word of thanks goes out to the families and extended support systems that made these outstanding presentations possible.

This year we are honoring Heriberto Zavala, an undocumented student who is sponsored by San Jose State University. His work is highlighted as the cover of this year's journal which reflects his article, called, *"Yo No Cruse La Frontera, La Frontera me Cruzo"* (I Didn't Cross the Border, the Border Crossed Me). Our federal grant does not allow for us to fund students that are not residents and/or U.S. Citizens. We are eternally grateful for San Jose State's support in assisting Heriberto Zavala and his journey to reach for higher education and obtain his Ph.D. in the near future! We are proud to be Spartans!!

A special thanks to President Dr. Mary A. Papazian, Andy Feinstein Provost and Vice President for Academic Affairs, Stacy Gleixner Associate Vice President for Student Academic Success Services, and Pamela Stacks Associate Vice President for Graduate Studies and Research for their continuing support and encouragement given to both the students and staff of this program.

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