

SPRING 21 | ISSUE 6

GRADUATE STUDIES AND RESEARCH

Newsletter



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HOW WONDERFUL IT IS
THAT NOBODY NEED WAIT
A SINGLE MOMENT BEFORE
STARTING TO IMPROVE
THE WORLD
-ANNE FRANK

MESSAGE FROM THE DEAN



John Price, Ph.D., Interim Dean
Graduate Studies and Research

Welcome to the Spring 2021 Graduate Studies and Research Newsletter! Inside these pages, you will find information on our Faculty Research Development Unit, our group that helps prepare grant proposals for submission to maximize your success rate. They provide a vast array of services to help you every step of the way as you progress from the basic idea behind a research program all the way to a completed proposal narrative. You will also find an introduction to our new Office of Undergraduate Research, aimed at providing undergraduate students with the tools they will need to succeed after they receive their bachelor's degrees. A brief report on our Graduate Equity Fellows can be found inside, as well as the usual information on deadlines, grant proposals, and awards.

The COVID-19 pandemic has proven more challenging than anyone could have anticipated, but there are hints of light at the end of the tunnel. Vaccines are becoming available; while they are not (yet) abundant enough for everyone to be inoculated, its development is a shining example of the importance of research education in our universities; without learning the skills as students, we would not have the scientists who created the vaccines that will allow us to move past this and get back to something approaching normal lives. The cost, both economic and human, was far too great, but the human race can look back proudly and know that, in the end, we were victorious.

I am very happy to report that, despite the obstacles put before us by the pandemic, the activities of our office have not slowed down; quite the contrary, we are seeing increased activity across the board. Graduate student applications, admissions, and enrollments are increasing. Grant submissions and awards are also on the rise. We are still in the process of analyzing all the data from this past year, but the information we have thus far tells us that this will be one of our best years ever.

On behalf of the entire Office of Graduate Studies and Research, I invite you to read through these pages.

See for yourselves how successful our colleagues and students have been in this most trying of years. Join me in looking forward to that day, not far in the future, when we will all return to campus and start getting back to doing what we all do best. Go Toros!

Deadlines & Important Dates

Master's				
Graduate Program	Degree	Program Type	Application Deadline	Document Deadline
Biology	MS	On-Campus	April 1	April 15
Computer Science	MS	On-Campus	July 15	August 1
Counseling: College Counseling	MS	On-Campus	February 1	February 15
Counseling: School Counseling	MS	On-Campus	February 1	February 15
Cyber Security	MS	Online	July 15	August 1
Education Curriculum & Instruction	MA	On-Campus	June 1	June 15
Education: Dual Language Learning	MA	On-Campus	June 1	June 15
English: Literature Rhetoric & Composition	MA	On-Campus	July 15	August 1
English: Literature	MA	On-Campus	July 15	August 1
English: TESL	MA	On-Campus	July 15	August 1
Environmental Science	MS	On-Campus	May 1	May 15
Health Science: Orthotics & Prosthetics	MS	On-Campus	July 15	August 1
Marital and Family Therapy	MS	On-Campus	February 1	February 15
Master of Social Work	MSW	On-Campus	January 15	January 29
MPA Public Management	MPA	On-Campus	July 15	August 1
MPA Public Management Online 12 Week	MPA	Online	July 15	August 1
MPA Specialized Concentration Online 8 week	MPA	Online	July 15	August 1
Negotiation, Conflict Resolution & Peacebuilding	MA	Online	July 15	August 1
Nursing: CNS Adult Gerontology	MS	Online	July 15	August 1
Nursing: Neonatal Clinical Nurse Specialist	MS	Online	July 15	August 1
Nursing: Pediatric CNS	MS	Online	July 15	August 1
Nursing: Family Nurse Prac	MS	Online	April 1	April 15
Nursing: Nurse Administrator	MS	Online	July 15	August 1
Nursing: Nurse Educator	MS	Online	July 15	August 1
Psychology: Health Psy Track	MA	On-Campus	March 1	March 7
Psychology: Clinical Psychology	MA	On-Campus	March 1	March 7

Master's				
Graduate Program	Degree	Program Type	Application Deadline	Document Deadline
Quality Assurance Manufacturing	MS	Online	July 15	August 1
QAS Service & Health Care	MS	Online	July 15	August 1
Quality Assurance: Manufacturing Option	MS	On-Campus	July 15	August 1
Radiologic and Imaging Sciences	MS	On-Campus	July 15	August 1
School Leadership CASLA	MA	On-Campus	June 1	June 15
School Leadership	MA	On-Campus	June 1	June 15
Sociology: General Sociology	MA	On-Campus	April 5	May 5
Special Education	MA	On-Campus	June 1	June 15
System Engineering	MS	Online	July 15	August 1

Certificates				
Graduate Program	Degree	Program Type	Application Deadline	Document Deadline
Business Administration: Accounting	Certificate	On-Campus	July 15	August 1
Business Administration: Marketing	Certificate	On-Campus	July 15	August 1
Clinical Science Medical Tech	Certificate	On-Campus	June 2	August 1
CNS Adult Gerontology	Certificate	On-Campus	July 15	August 1
College Counseling	Certificate	On-Campus	February 1	February 15
Com Sciences & Disorders	Certificate	On-Campus	July 15	August 1
Cytotechnology	Certificate	On-Campus	June 2	August 1
Dual Language Learner	Certificate	On-Campus	June 1	June 15
English: Rhetoric & Comp	Certificate	On-Campus	July 15	August 1
English: TESL	Certificate	On-Campus	July 15	August 1
Higher Ed Admin & Lead	Certificate	On-Campus	July 15	August 1
Information Systems	Certificate	On-Campus	July 15	August 1

Deadlines & Important Dates

Certificates				
Graduate Program	Degree	Program Type	Application Deadline	Document Deadline
Pediatric CNS Post-Master's	Certificate	On-Campus	July 15	August 1
Post MBA Logistics Management	Certificate	On-Campus	July 15	August 1
Post MBA Marketing	Certificate	On-Campus	July 15	August 1
Postmaster: Nursing Administration	Certificate	On-Campus	July 15	August 1
Postmaster: Conflict Analysis & Resolution	Certificate	On-Campus	July 15	August 1
Postmaster: Nurse Educator Cert	Certificate	On-Campus	July 15	August 1
Post-Master's Certificate in Neonatal CNS	Certificate	On-Campus	July 15	August 1
Radiologic & Imaging Science: Education	Certificate	On-Campus	July 15	August 1
Radiologic & Imaging Sciences: Management	Certificate	On-Campus	July 15	August 1
Sports Management	Certificate	On-Campus	July 15	August 1
Credentials				
Graduate Program	Degree	Program Type	Application Deadline	Document Deadline
Classified Postbac: Teacher Education (Single Subject/Multiple Subject)	Credential	On-Campus	June 1	June 15
Classified Postbac: Teacher Education (Special Education Credentials)	Credential	On-Campus	June 1	June 15
Classified Postbac: Graduate Education (Education Administration Credential)	Credential	On-Campus	June 1	June 15
Classified Postbac: Graduate Education (PPS Credential)	Credential	On-Campus	February 1	February 15
Classfd PostBac: Teach Induction	Credential	On-Campus	June 1	June 15
Second Bachelor's				
Bachelor's	Degree	Program Type	Application Deadline	Document Deadline
Nursing (BS)	BS	Online	July 15	August 1

Graduation Application

Application Filing Periods

The Electronic Application for Graduation must be submitted in accordance with the following schedule. The fees for applying to graduate are due 48 hours after you submit your online application. Failure to apply in accordance with the schedule below could delay your degree past your intended graduation date. Also, there will be additional fees assessed for submitting the graduation application and/or fees after the regular deadline.

Degree Conferral Term	Apply for Graduation	Apply for Graduation with Late Fee
Fall Semester	January 1 - July 1	July 2 - September 15
Spring Semester	June 1 - October 2	Last Day of Fall Semester
Summer Semester	November 1 - February 1	February 2 - April 1

GEF Students



The state process of race creation along with practices of anti-Black discrimination in policymaking has created an observable history of inequity within the United States concerning political agenda that support Black American interests. To better address this social problem, my ongoing research investigates the Black counter-public as an influencer of public policy, specifically through the evaluation of the sociopolitical practices of Historically Black Greek Letter Organizations (HBGLOs). My proposed methodology will utilize qualitative surveys and interviews to provide primary data collection. I will also conduct qualitative and quantitative content analysis of secondary data to better establish my anticipated findings with existing research. The Black counter public allows the function of politics beyond the bourgeois public sphere. Studying its institutions might offer effective strategy to challenge U.S. racial inequality along with increasing the quality of life for Black people.

Name: Matthew Taylor

Program: Sociology

Research: (Work In Progress) "Pledge of Allegiance: The Political Efficacy of Historically Black Greek Letter Organizations".



I am working on my thesis project in the field of cancer research with my Principal Investigator from UCLA. Cancer research in of itself is a broad field, so I'm specifically focusing more on the cell biology-biochemistry areas. The topic of my research project is centered on studying the p53 protein, a protein integral to the prevention of tumor growth which loses function if the mutated form is produced instead. I am working extensively with my Principal Investigator on developing and fine-tuning the protocol and procedures for the study. As of now, I am in the beginning stages of the experiments and am looking for articles to support my study as references. In the long run, I aim to earn my PhD in Biology, secure a position as a PI (ideally one who could also instruct courses) and guide the next generation of researchers in their theses and overall project experiments, all while at the same time aiming to advance the knowledge and information currently available in Biology. I know there is still work ahead of me before I could get to that point, but I am prepared and committed to work as hard and as long as it is needed.

Name: William Ramirez

Program: Master of Science, Biology

Research: Cancer (specifically ovarian cancer)

Graduate Equity Fellowship (GEF)

Graduate Equity Fellowship (GEF) program at CSUDH seeks to increase the diversity of students completing graduate degree programs, encourage further study in doctoral programs, and promote consideration of university faculty careers.

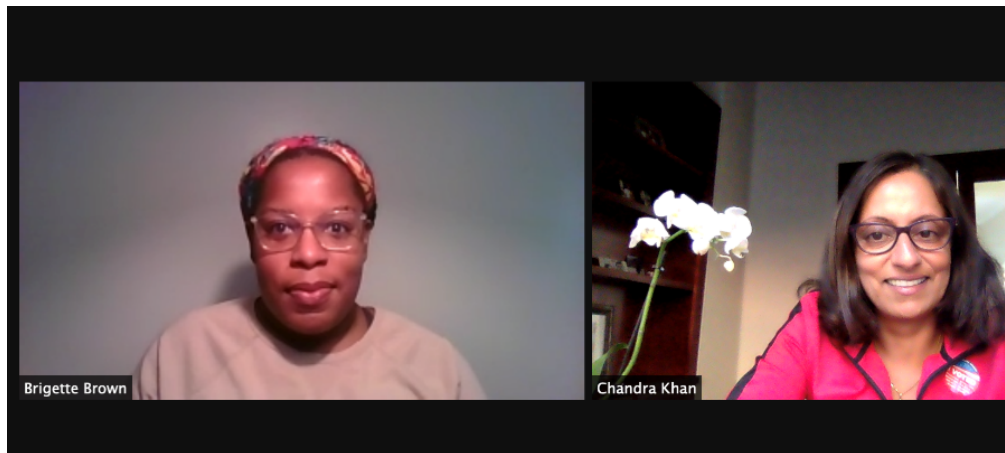
The program is designed to do so by providing financial support to graduate students with strong academic records. Fellowships range from \$500 to \$4,500 for the academic year. The maximum grant period for any student is two years.

Qualified students will be interviewed by an advisory committee prior to final selection. Students will be notified of the final decision, no later than August 5.

*If you have applied for admissions for Fall 2021 and have not received a decision, you are still welcome to apply for this fellowship. We will verify our system before we email the finalist list to financial aid. Your complete packet is due on June 15th, 2021.

For questions, visit the Graduate Studies webpage at <https://www.csudh.edu/gsr/graduate-studies/funding-opportunities/>

Faculty Research Development Unit



Even during the pandemic, the Faculty Research Development Unit is bustling with activities and programming to keep the research, scholarly and creative activities in the forefront

CSUDH was one of four awardees of NIH Sponsored Programs Administration Development (SPAD) funding (PIs: Fischer and Spagna) in the nation, which started in May 2020. This is a 3-year cooperative agreement with one of the aims focused on enhancing the ability of faculty to develop and submit biomedical research proposals. Lead Personnel for executing this aim are the campus' Faculty Research Development Unit, Chandra Khan & Brigitte Brown.

As part of this aim, we have newly developed and implemented a Toro NIH Grant Writing Community program, which aims to equip faculty with the tools and support required for the development and submission of competitive NIH grant proposals. Participants are typically selected from the Grants for My Research (GMR) on-campus application pool, based on the applicant's expressed interest in, and readiness to submit to a NIH grant opportunity in the near future.

So far, we have had six faculty members (two cohorts) in various stages of this program. All were provided internal training on writing various pieces of NIH proposal elements, were given access to hiring mentors, conference funding support, and external review and grantspersonship support.

In the first cohort of three faculty, Dr. Molly Lancaster (CHHSN) worked with her mentor, Dr. Matt Mutchler (CHHSN), to submit a NIH proposal to the New Innovator's Award (DP2) mechanism; and Drs. Erin McCauley (CNBS) and Annalyn Valdez-Dadia (CHHSN) submitted NIH SCORE (SC2) proposals. The second cohort of faculty, which began in January 2021, includes Dr. Samira Moughrabi (CHHSN), Dr. Shannon Roback (CHHSN), and Dr. Amy Sewart (CNBS). Faculty in this cohort are in the process of securing mentors and preparing NIH proposals for submission. Applications to GMR Summer 2021 are due on April 19 and are submitted through InfoReady.

Faculty Research Development Unit Continued...

When campus switched to virtual mode, the CSUDH Faculty Research Development Unit personnel quickly transitioned programming to a fully virtual mode. New programming was developed and implemented to engage the community, provide support, increase research productivity despite the lack of access to labs and on-campus facilities, as well as provide the much-needed, carved-out time each week to keep research moving in all disciplines.

New Faculty Research Development Writing Group: faculty writing group, where like-minded faculty come together to work on their research dissemination through an accountability model. Faculty attend the writing group meetings, held on Mondays and Fridays for 90 minutes, to develop their grant proposals, write manuscripts, or work on literature review, for example. Conducted via Zoom where faculty have blocked out 3 hours of writing time each week to make progress on their research outputs.

New Research Development Office Hours: Weekly “office hours” are held on Fridays, to meet faculty and learn about their research interests and goals. This is another opportunity to learn what faculty want to work on and how Faculty Research Development Unit can better support their research activities.

Even with a pandemic, Faculty Research Development Unit personnel are obtaining regular training and gaining knowledge from funders and other thought leaders to deliver cutting-edge services to enhance support services offered. Early returns indicate that CSUDH is submitting more proposals than ever.

For any questions about the programming, contact Brigette Brown, MFA, Thesis & Grant Review Coordinator at bbrown@csudh.edu.

McNair Scholars

The McNair Scholars Program would like to welcome the following scholars for the 2020-2021 academic year

Scholars Name

Scholars Major

Alexander Camarillo	Clinical Lab Studies
Margarita Calvillo	Sociology, minor in Criminal Justice
Daisha Campbell	Political Science
Wesley Campbell	History, minor in Peoples of the Americas
Daniel Diaz	History, minor in Political Science
Leslie Gomez	Anthropology: Biological concentration
Yesenia Gonzalez	Psychology, minor in Chicano/a Studies
Gabriela Gutierrez	Chicano/a Studies and Child Development
Mayra Hernandez	Biology and Bio/Organic Chemistry
Anita Kapila	Psychology, minor in Business
Carla Lopez	Sociology
Karlee Rivera	Earth Science

Grants Awarded June 2020 - February 2021

Brasley, Stephanie
Mayme A. Clayton Collection and
Artist Toni Scott Project
County of LA

Chaparro, Gioella
3 Wins Fitness Program
County of LA

Hamdan, Kamal
Apple Community Education
Initiative and CISE Collaborative
Partnership
Apple

Hamdan, Kamal
APPLE (Accelerated Preparation
Program for Leaders in Education)
U.S. Department of Education

Price, Vivian
Just Transition Listening Project
Labor Network for Sustainability

Ritter, Zachary
CalFRESH Healthy Living
Chico State Enterprise

Salari, Mahmoud
2020 DDETFP - Taylor
US Department of Transportation

Salari, Mahmoud
2020 DDETFP - Awad
US Department of Transportation

Salari, Mahmoud
2020 DDETFP - Scott
US Department of Transportation

Salari, Mahmoud
2020 DDETFP - Soberanes
US Department of Transportation

Singhal, Sonal
Collaborative Research: Species
delimitation in North American Lizards
NSF

Vieira, Philip
Investigating the Combination of Design
Thinking and Course-based
Undergraduate Research Experiences on
Student Persistence and Retention in
STEM
NSF

Waterfield, Brett
CSU Dominguez Hills Student Support
Services
U.S. Department of Education

Waterfield, Brett
CSU Dominguez Hills Veterans Student
Support Services
U.S. Department of Education

2020 CSUDH OUR Summer Research Program

The mission of The Office of Undergraduate Research is to enhance undergraduate student participation in research, contributing to the improvement of student outcomes by developing and supporting faculty-mentored original investigation within and beyond the curriculum.

Each summer, CSUDH students apply to and are competitively selected to participate in fully-funded summer Research Experiences for Undergraduates (REU) programs throughout the country. This summer, many REU programs were cancelled, and many CSUDH students who were planning to conduct faculty-mentored summer research under the support of a stipend no longer had that option. In lieu of funding students to travel to conferences, the Office of Undergraduate Research funded seven students to conduct summer research under the mentorship of CSUDH faculty. We're looking forward to student participants presenting their research findings at our annual Student Research Day.



Student: Valeria Arredondo Segura

Major: Mathematics Class

Level: Senior

Research Project: Agreement and Piercing Numbers in Discrete Societies

Research Mentor: Carolyn Yarnall, Department of Mathematics

My experience in the OUR research program has benefited my education immensely. Through this program, I was able to learn mathematics in a way that differs greatly from what one would learn in the classroom. Through regular meetings, generating and justifying examples, and implementing my knowledge of proving mathematics, I was able to work with mathematics hands on. In the average mathematics classroom, there is a set end result and this research has shown me the value and beauty of trial and error. There is no concrete result when it comes to researching mathematics, which allows the researcher to be in control of the methods used, as well as, make predictions, and question the results as one goes. This research program has allowed me to see the beauty of mathematics through a different lens. A lens that might turn out to be NP hard.

2020 CSUDH OUR Summer Research Program



Student: Michael Franco

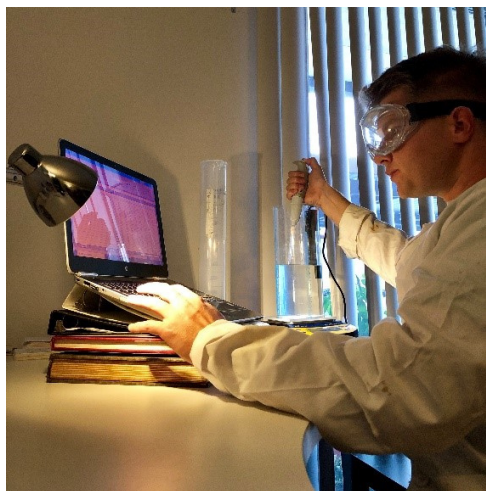
Major: Earth Science

Class Level: Junior

Research Project: Habitat Distribution of Bristlecone Pines (Pinus) in Future Climate Change Scenarios

Research Mentor: Parveen Chhetri, Department of Earth Science and Geography

The opportunity to research a topic that is of personal interest has been an enjoyable experience. A quote that has been attributed to many throughout history is “do what you love and you will never work a day in your life.” I would have to say that the support offered by the Office of Undergraduate Research made this a reality for me over the summer. Being a student who also works presents challenges. Usually the contrast between what I am doing at my job and school makes for a difficult work to academic transition. I did not have this feeling of compartmentalization with my summer research, instead it offered an experience that welcomed a glimpse of a work life where I am able to apply my time and effort to areas of interest that I am passionate about.



Student: Kevin Kausen

Major: Biology

Class Level: Senior

Research Project: Side Illuminated Liquid Level Optical Fiber Sensor for Hydroponics

Research Mentor: Claudio Egalon, Department of Physics

In the middle of Spring 2020, the COVID-19 pandemic hit the United States. This unfortunate event caused nationwide campus closures and ultimately stopped my current research at CSUDH dead in its tracks. The OUR Summer Research Program gave me a second chance to finally complete something I had worked so hard to achieve in the time prior to COVID-19. This program has provided me the opportunity to work hands-on with the scientific method and march towards a meaningful goal with great potential impact. I'm looking forward to meeting with all the other student researchers in Spring 2021 for Student Research Day and sharing my experience with the OUR. Thank you all for the wonderful opportunity!

2020 CSUDH OUR Summer Research Program



Student: Tania Lugo-Flores

Major: Psychology

Class Level: Senior

Research Project: Chronic Administration of Ethanol and the Brain: A Role for Δ FosB?

Research Mentor: Philip Vieira, Department of Psychology

I would like to thank the OUR for funding my research over the summer. Over the course of the summer, I learned how to sleep score EEG and EMG waves, I learned how to use Matlab and Python for data analyses

and I was able to attend journal clubs. I was also able to write a paper that I intend to publish soon with the help of my mentors. I was also able to make progress on my research, for which I hope to present on Student Research Day 2021. Because of the OUR program, I feel like I have become a better researcher and scholar.



Student: Anthony Onwuegbuzia

Major: Sociology

Class Level: Senior

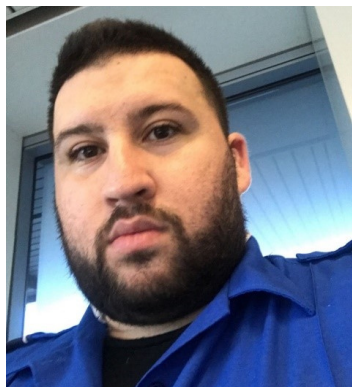
Research Project: Catching Fades: An Examination of Black Barbershop Culture and Black Masculinity

Research Mentor: Edward Robinson, Department of Africana Studies

This summer, I had the fantastic opportunity to participate and to be funded by the OUR research summer program for an independent research project that

I conducted. My research was a qualitative study on Black Barbershops within the surrounding local community. As with most sociological research, there is a multitude of expenses that are associated with this process. Such costs include travel expenses, recording equipment, transcribing services, and needed software. I am very grateful and appreciative for the OUR Summer Research Program's financial assistance in helping me with the completion of my research project. Being a part of this program allowed my research to fully develop while being devoid of the stresses associated with the financial costs of the project. Furthermore, I commend the OUR Summer research program for allowing its participants to expand on our research experience as we embark on our journey to complete our graduate school applications. Once again, I sincerely and genuinely thank the Office of Undergraduate Research and staff members alike for their support, especially during these difficult times of the Covid-19 era.

2020 CSUDH OUR Summer Research Program



Student: Christian Rodriguez
Major: Spanish-Linguistics
Class Level: Senior
Research Project: Linguistic and Cultural Barriers in Social Work Research
Mentor: Ivonne Heinze-Balcazar, Department of Modern Languages

This opportunity with the Office of Undergraduate Research program has opened the doors for future opportunities and possibilities where I may grow in both

areas of knowledge and professional development. My network has expanded through the OUR program and I have a stronger bond with my mentor. I am grateful for the experience that has come with this program in challenging me to conduct my own investigations, learn the process for IRB approval and acquire the skill set needed to persevere in graduate school. This could not have come at a better time financially. Due to COVID-19, the financial support of this program really helped me continue my studies and allowed me to invest in a new printer. I am thankful of the immense support Tigress has shown all of us and how she has kept all of us on track.



Student: Omar Santizo
Major: Biochemistry
Class Level: Senior Research
Project: Measurement of N-Acetyl Cysteine by Cyclic Voltammetry Research
Mentor: Barbara Belmont, Department of Chemistry and Biochemistry

I am a fifth year student at Cal State Dominguez Hills majoring in biochemistry with a minor in psychology. In the past two years I have conducted research with Professor Barbara Belmont in analytical chemistry. This summer I was awarded the OUR research program stipend to continue my research in the summer. The stipend helped me in many ways with my research as well as financially. We are living in the middle of the SARS-CoV-2 pandemic that has cost the jobs of many people. The stipend gave me an additional buffer in case I would lose my job. At the end of the summer, I was able to get data from my last reagent and now I am a step closer to finishing my portfolio of cyclic voltammetry experiments. I'm very excited to demonstrate my research at Student Research Day via an oral or poster presentation.