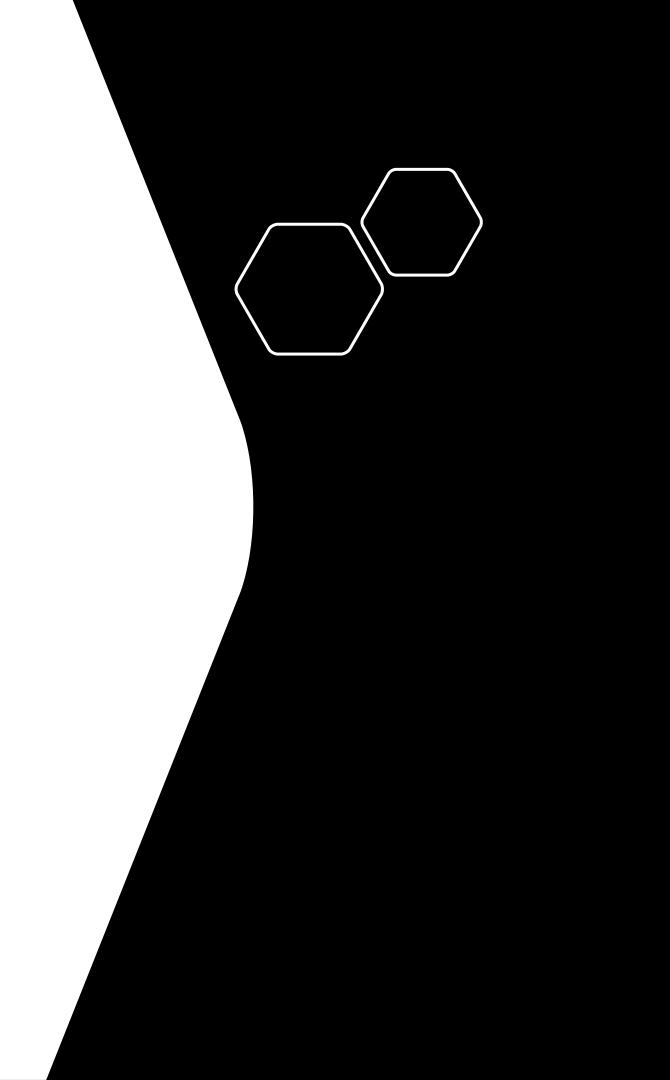
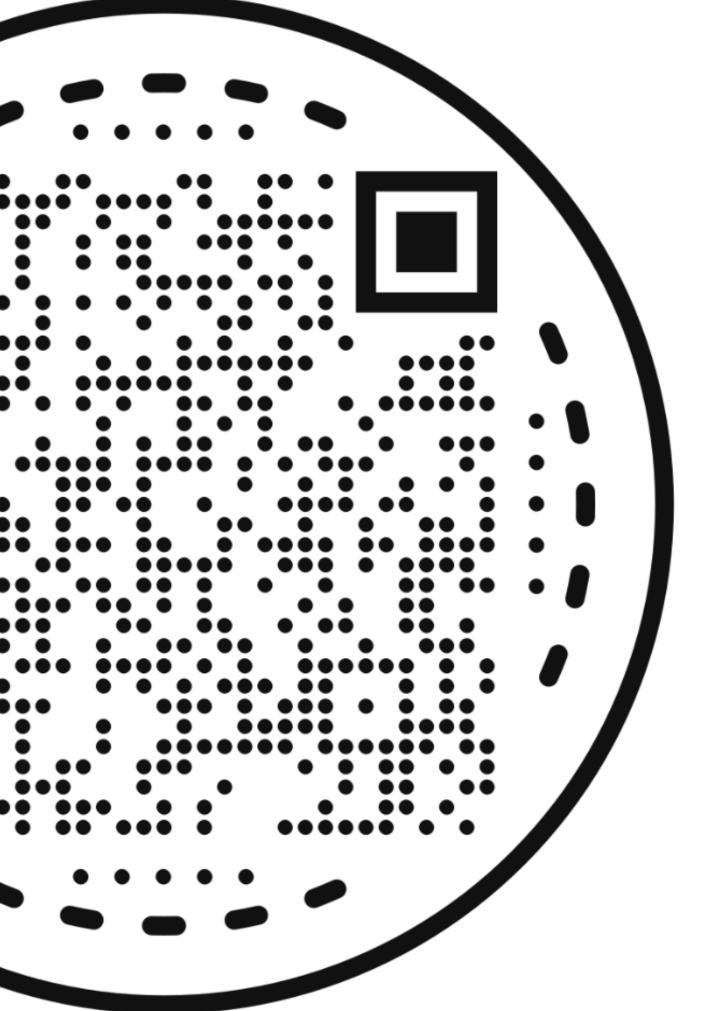


Facilitated by: Aysa-Monae Collins

Tuesday, February 6, 2024



Thank you for Joining.... Please Sign-In





Tgenda





About Me

What is Research?

**Undergraduate Research** 

**Benefits of Research** 

Pathways to Research

Tips

Resources

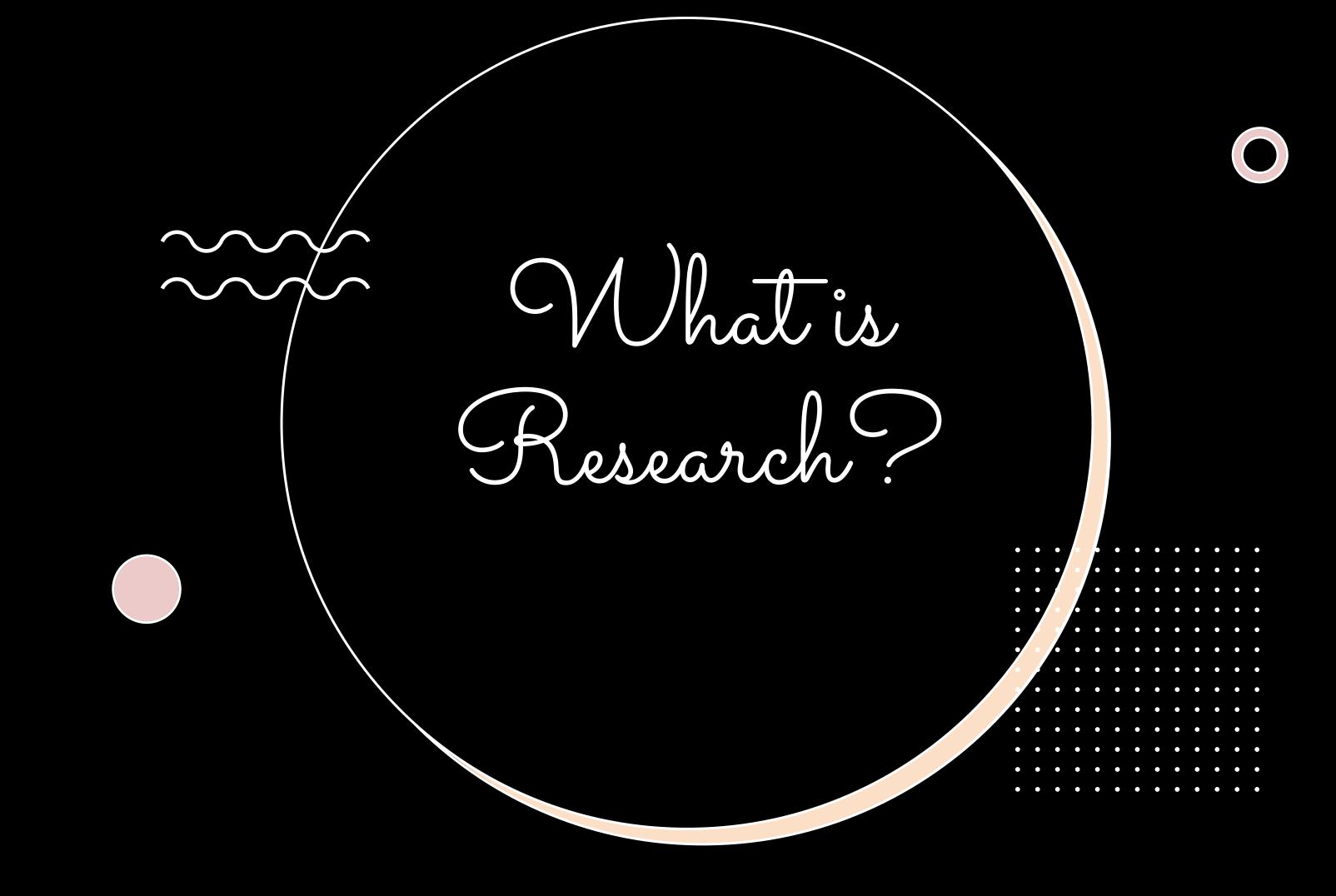
Survey

### Getting Started In Undergraduate Research

About Me

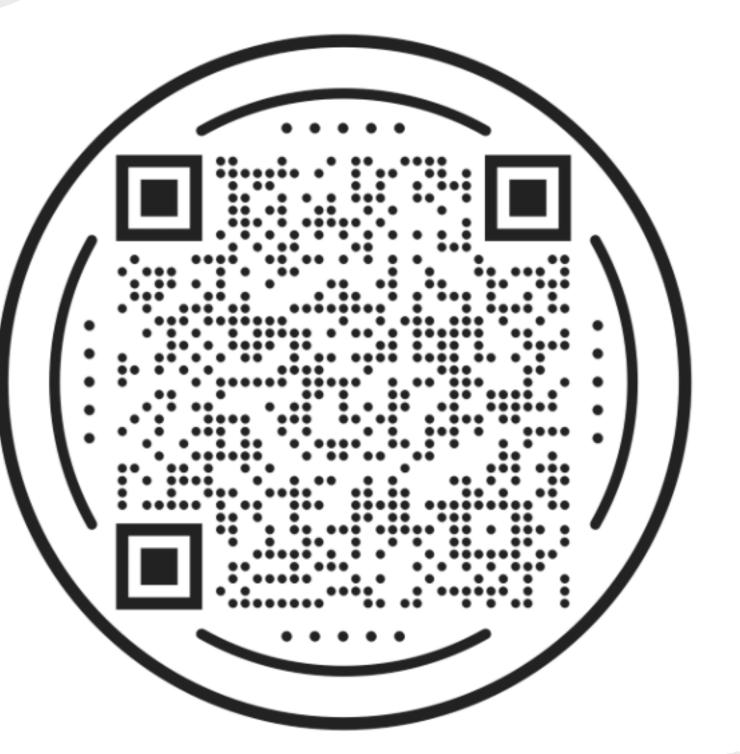
- Undergraduate Researcher
- McNair Scholar
- Research Assistant
- California Department of Public Health, Research Intern
- Peer Research Mentor
- Award-Winning Researcher





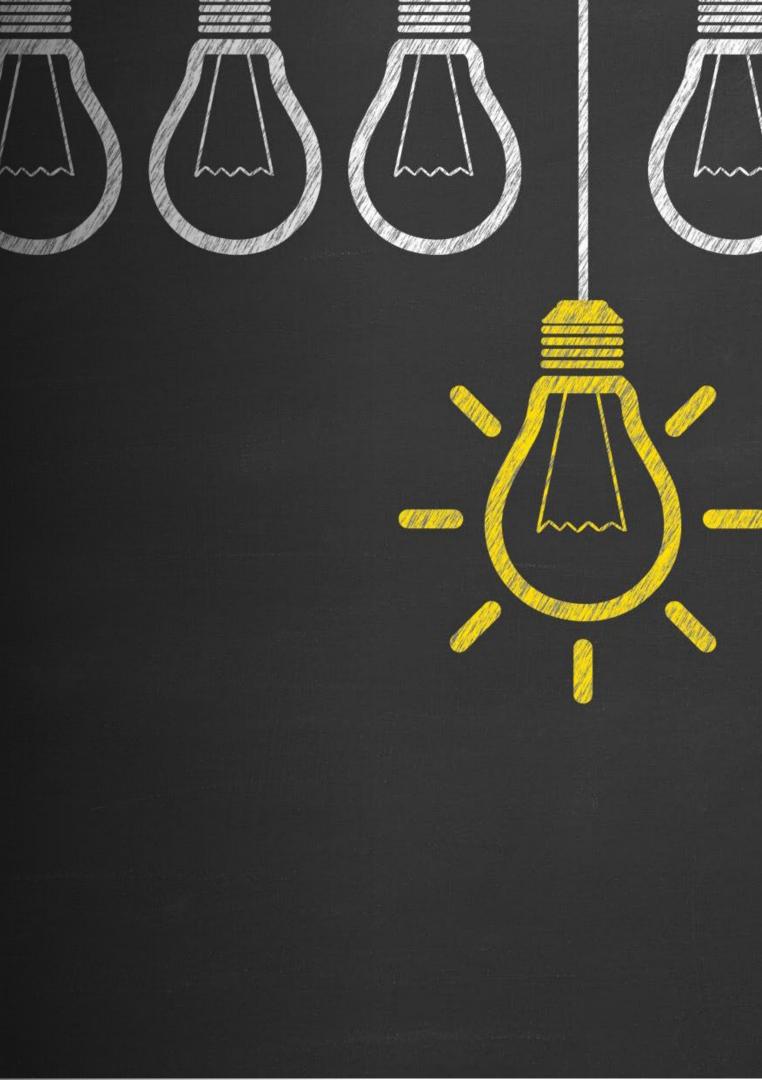
Let's Define Research!

## Scan the QR Code to Get Started!



Mhat is Research?

Research is a systematic and organized process of investigation that aims to discover new knowledge, expand existing knowledge, or resolve a specific problem. It involves the collection, analysis, interpretation, and evaluation of information in order to answer research questions or test hypotheses.



Mhat is Research?

Research can be conducted in various fields, such as science, social sciences, humanities, technology, art, dance, and more.



# Research at CSUDH is for EVERYONE!



What does Research Look Like?



Research can take many forms depending on the field, goals, and methods employed, but generally, it follows a systematic process of inquiry to generate new knowledge or deepen our understanding of a particular subject.

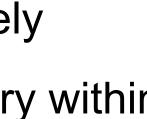


A structured methodology may include identifying a research topic, formulating research questions or hypotheses, designing a study or experiment, collecting and analyzing data, and drawing conclusions based on the findings.



Matix Undergraduate Research?

- Undergraduate research refers to the involvement of undergraduate (college or university) students in academic research projects, typically under the guidance and supervision of faculty members or researchers.
- It provides students with an opportunity to actively participate in the process of inquiry and discovery within their field of study.



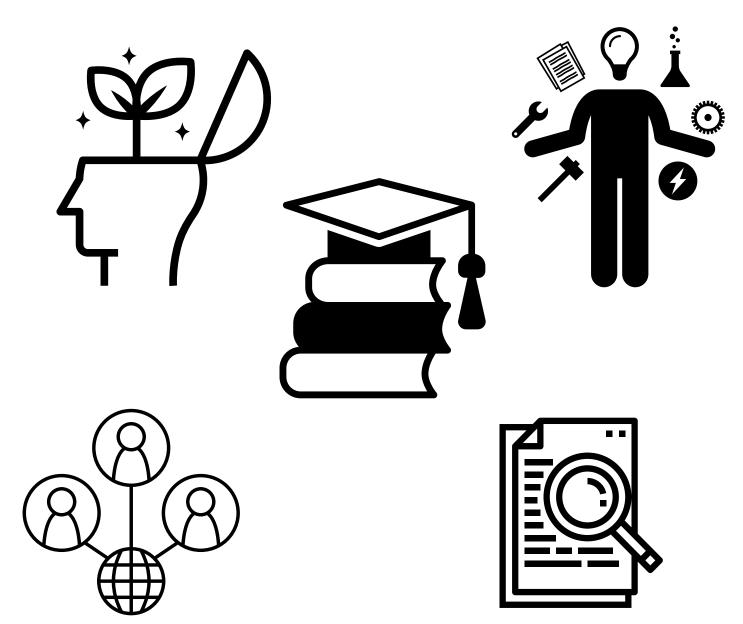


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Benefits of Undergraduate Research:

- Academic and Intellectual Growth
- Hands-on Application of Knowledge
- Skill Development
- Mentorship and Networking
- Resume and Graduate School Applications
- Personal Growth and Confidence
- Contribution to Knowledge and Society
- Exploration of Career Paths



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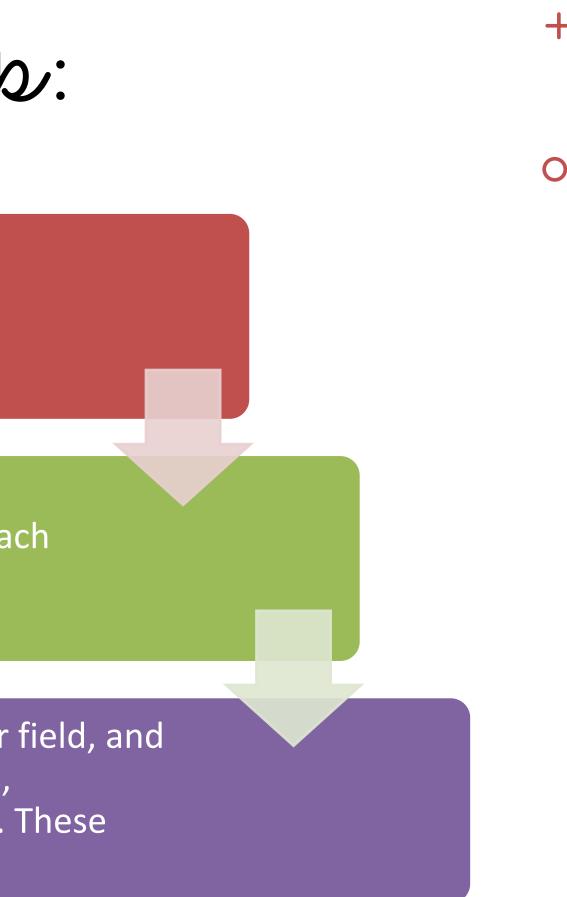
Undergraduate research offers students a hands-on, experiential learning opportunity that goes beyond traditional classroom instruction. It allows them to apply the knowledge and skills they have acquired in their coursework to real-world research questions.

Mentorship:

Mentors guide students in developing critical research skills, including experimental design, data analysis, literature review, and presentation skills. These skills are not only valuable for research but also transferable to various career paths.

Mentors can provide one-on-one guidance tailored to each student's needs and goals.

Mentors often have established networks in their field, and they can introduce students to other researchers, conferences, and opportunities for collaboration. These connections can be invaluable



Undergraduate research is for any major!

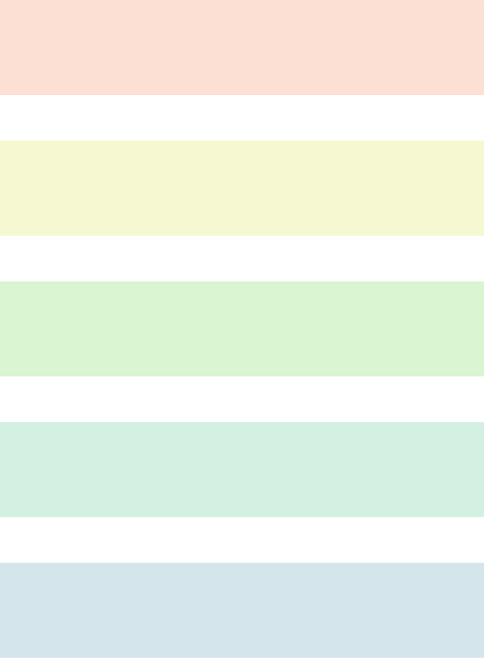


.....And not just students who want to go to researchbased

graduate programs.

Path to Undergraduate Research

Learn	Learn about Research
Identify	Identify Your Interest
Connect	Connect with Faculty and Programs
Plan and Finance	Plan and Finance Your Research
Showcase	Showcase Your Work



### uth Bay: gical Artifact Collection epartment

### Results

al research confirmed that a series of massive feasts held in the early 1900s, dating back to at least 1903 and uing through an especially massive one in 1913. NT 313 likely recover material remains from these , including a massive quantity of animal bones from the

east corner of the property. cts such as ceramic wares, cloth and fabric fragments. shards, a newspaper clipping, and metal objects were covered from excavations in this area.

### Discussion & Conclusions

ubstantial amount of animal bone fragments, charred e fragments, and charcoal were found while excavating, ch indicates that there had been a barbecue and/or becues at the site.

can deduce that the barbecues were mainly held in the ne location on the property from analyzing articles search papers and photographs).

e other materials found, aside from bones, include a amic mug handle, bits of glass shards, and cloth gments - all materials that could have been deposited as rt of feasting activities.

ese materials were likely deposited along with the bones refuse when the feast areas were cleaned up following e massive celebration events.

chaeological research and the recovery of even the tiniest aterials can help us understand how people lived (and lebrated) in the South Bay 100 years ago.

### **References Cited**

### 62



Background

ethnicities

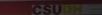
Methods:

Database

Results:

### Analysis of Prenatal and Maternal Risk of Fetal Ma

### Abstract A secondary analysis was Non-Hispanic Black women are at the highest the fetal death reports for the years 2019 in California using the Centers Disease Control and Prevention, Nat risk for fetal and maternal mortality rates compared to women of all other races and Previous studies have shown that early and Data used include all fetal deaths reporte for 28 or more weeks of gestation. adequate prenatal care can considerably reduce the risk of fetal and maternal morbidity Fetal mortality rates in this report are computed as the number of fetal deaths a 28 or more weeks of gestation per 1,000 This study examined five major maternal and fetal mortality risk factors, the month prenatal care began, and patient demographics in ♦ The risk factors included: the mother's education level, the condition of diabetes, the mother's pre-pregnancy BMI, and the report of infertility treatment. California from 2014 to 2019 using the Centers for Disease Control and Prevention, National Vital Statistics System, CDC WONDER Online Risk factors were examined by race and ethnicity and by which trimester prenatal Addressing prenatal care is not enough to care began and the number of fetal dea address the dispanty experienced by black mothers. Understanding that fetal and matema morbidity is multi-factored and widespread Statistical analysis used the categories non-Hispanic white, non-Hispanic blac among Black women helps find integrative solutions to address this issue and Hispani Introduction studies have shown that early and adequate renatal care can considerably reduce the risk of al and maternal mortality studies have shown that Black mothers are as likely as white mothers to receive late or atal care. According to the National Vital s Reports of 2018, Only 67% of Black eceive prenatal care in the first trimeste to the 83% of White mothers that begin e within the first two weeks. ning 5 000 black worm nento County during 2013 - 2016 I care more than 109







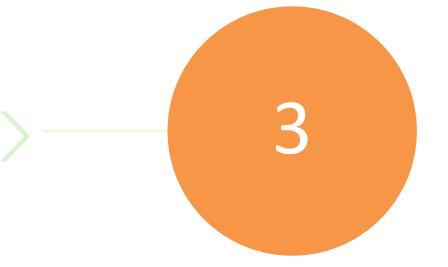
Getting Started in Undergraduate Research

Joining a research project is not like registering for a class. Instead, it is much more like finding a job.

Identifying Your Interest

Determine the field or area of research that aligns with your academic and career goals.

Reflect on your coursework, passions, and long-term aspirations to identify subjects or topics that intrigue you.



Look for faculty members or research groups at your university who are involved in research related to your interests. Review their published work, ongoing projects, and areas of expertise.

Contacting Faculty

If you are contacting faculty directly, email them a cover letter and CV. Your cover letter will comprise the body of your email and should clearly & concisely:

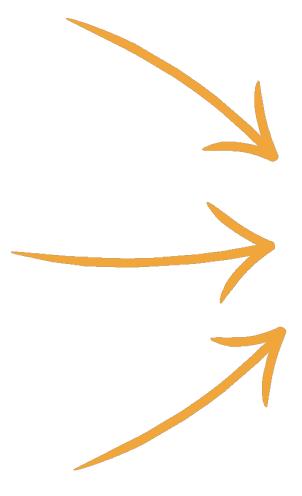
- Introduce yourself
- Explain your interest and enthusiasm in their research
- Identify your goals and how working with them will help you progress toward those goals
- Request an interview to discuss further a potential research opportunity (include your general availability and potential start date)
- Include your contact information (email & phone)

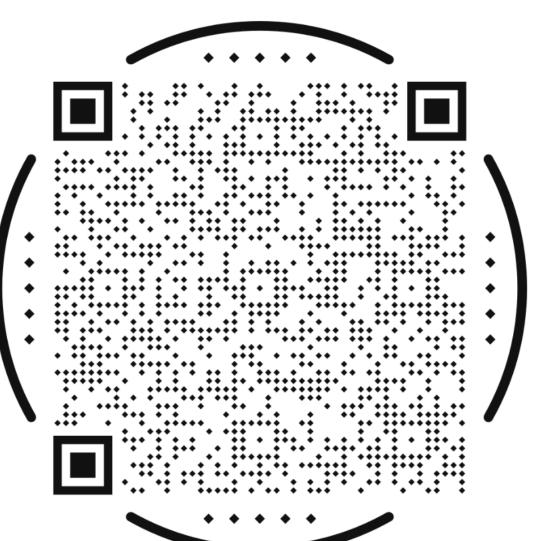
If you don't hear back from a specific faculty you emailed or a research opportunity you applied to, send a polite follow-up email 1-2 weeks after your initial email. You should not drop into a faculty's lab or office unannounced.

progress toward those goals portunity (include your general

Finding a Research Mentor Guide

## Scan the QR Code





'Final Tips on Getting Started

- Talk to Professors after class.
- Look for Off-Campus Opportunities
  - Internships •
  - Volunteer Opportunities
  - **Off-Campus Research Opportunities**
- Take your Coursework seriously!
- Look for Questions and Not subjects.
- Research Takes time...it is not bound to semester timeframes.



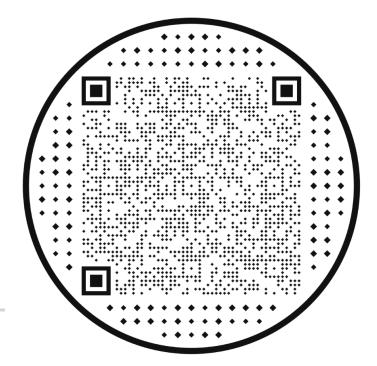
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Research Programs

LSAMP Program	<ul> <li>An undergraduate major in a STEM disciple</li> <li>Be an individual who has faced or faces so STEM.</li> </ul>
McNair Scholars Program	<ul> <li>Aims to support and fund first-generation, preparing for their future doctoral studies.</li> </ul>
Mellon Mays Program	<ul> <li>For students who wish to pursue a PhD in as faculty after graduation</li> </ul>
U-RISE Program	<ul> <li>A STRONG desire to pursue a Ph.D. in the</li> <li>An undergraduate student enrolled fulltime Biochemistry, chemistry, physics, psychol</li> </ul>





ipline.

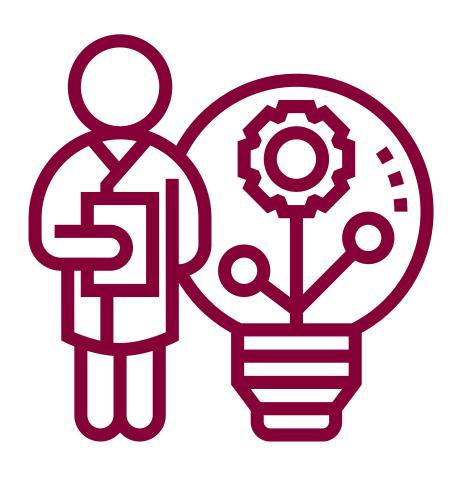
social, educational, or economic barriers to careers in

n, low-income, and/or underrepresented students

in humanities and select social sciences and work

the biomedical sciences after CSUDH ne at CSUDH, majoring in either Biology, ology or sociology

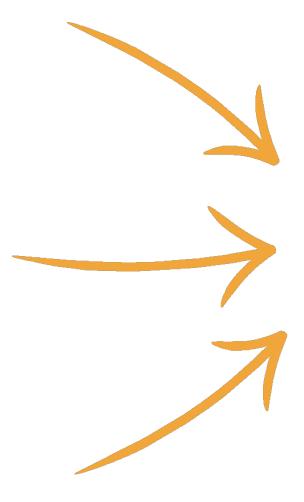
### Summer Research Experience for Undergraduates:



- Opportunity to conduct a research project in various fields
- Designed to expose undergraduates to research
- Graduate Program Exposure
- Work closely with faculty and other researchers
- 8 10 weeks at a host university during the winter or summer term (Virtual or Online).
- Paid: Travel, Housing & Food, + stipend

Summer Research Programs Guide

## Scan the QR Code





## **REMENSER:**

- Undergraduate research is a learning experience, and it's okay to make mistakes and ask questions. Embrace the opportunity to grow and contribute to the advancement of knowledge in your field.
- Connecting with your institution's professors, research centers, or programs is important to explore the available research options within your field of interest.

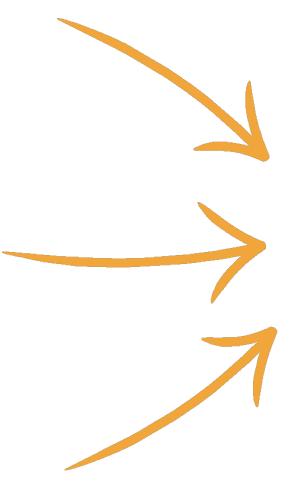


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Handout

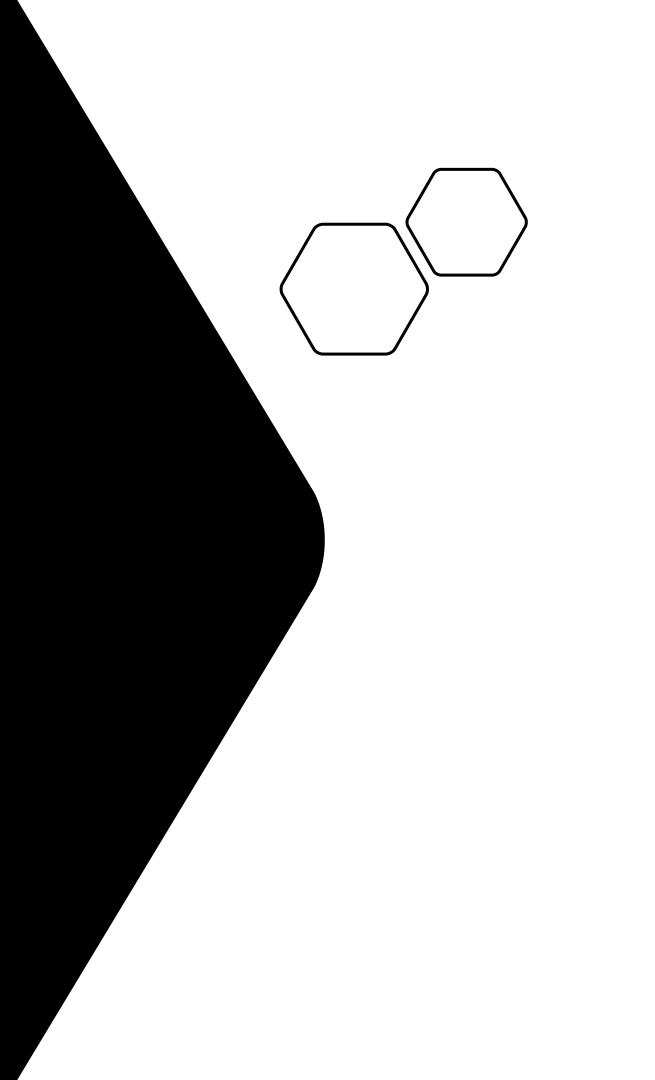
## Scan the QR Code





Thank You

Questions?





We appreciate your feedback.

## Survey Please provide feedback on your workshop experience.