

JP Flores

I am interested in 3D genome organization and data visualization. I'm passionate about innovation in science and diversity, equity, and inclusion (DEI).



Download CV as a PDF

CONTACT

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SKILLS



HTML
CSS
Git
Photoshop
Illustrator

Made with the R package
pagedown.

Source code available:
github.com/jpflores-13/cv.

Updated: 2023-11-25.

EDUCATION

2025
|
2021

PHD CANDIDATE, BIOINFORMATICS & COMPUTATIONAL BIOLOGY

UNC Chapel Hill

Chapel Hill, NC

- Graduate Certificate in Innovation for the Public Good
- Advisor: Doug Phanstiel

2021
|
2017

BA, CELLULAR & MOLECULAR BIOLOGY (PUBLIC HEALTH MINOR)

Occidental College

Los Angeles, CA

RESEARCH EXPERIENCE

2025
|
2022

GRADUATE RESEARCH ASSISTANT

Phanstiel Lab (UNC-CH School of Medicine)

Chapel Hill, NC

- Using computational and wet-lab techniques to investigate the role of 3D chromatin structure in response to environmental stress
- Developing a user interface for the R/Bioconductor data visualization package, plotgardener

2021
|
2017

UNDERGRADUATE RESEARCHER

Schulz Lab (Occidental College Department of Biology)

Los Angeles, CA

- Utilize techniques such as DNA isolation, PCR, gel electrophoresis, and HPLC to find medical relevance of venom
- Conduct fieldwork in Kauai to study and capture venomous cone snails



AWARDS & ACCOLADES

2025
|
2021

GRADUATE

- Occidental's 18 Young Scientists to Watch (2023)
- Keystone Symposia Chromatin Architecture in Development & Human Health Underrepresented Trainee Scholarship (\$1200)(2023)
- UNC Department of Genetics Retreat Poster Award (2022)
- National Science Foundation Graduate Research Fellow(2021)

2021
|
2017

UNDERGRADUATE

- Spotify Next Wave Award Winner (2021)
- Trevor Moawad Leadership Award (2021)
- Dean's Award: Service (2021)
- Capstone Student Leader of the Year Award (2021)
- Lucille Y. Gilman Memorial Award (2021)
- rstudio::global(2021) Diversity Scholar (2021)
- John W. McMenamin Award (2020)



FEATURES & INTERVIEWS

2025
|
2021

GRADUATE

- California private colleges fear affirmative action ban as Supreme Court prepares to rule (2023)
- Writing About Race in Biological Science (2023)
- 18 Young Scientists to Watch (2023)
- Three Win NSF Graduate Research Fellowships (2022)
- John Patrick Flores'21: National Science Foundation Graduate Research Fellowship (NSF GRFP) (2022)

2021
|
2017

UNDERGRADUATE

- New biology course explores the COVID-19 pandemic in real time (2020)
- Meet JP Flores - Occidental Baseball (2020)
- S2, Episode 1 - Off the Bench featuring Antonio Andrade and JP Flores (2020)
- OxSEA seeks to clean the ocean and educate LA's youth (2019)
- Staying for the summer: Undergraduate Research Center provides students and faculty with summer research opportunities (2019)



TEACHING EXPERIENCE

2024

PROMOTING INCLUSIVITY IN THE RESEARCH ENVIRONMENT

I am passionate about education. I believe that no topic is too complex if the teacher is empathetic and willing to think about new methods of approaching tasks.

- 2023 ● **BCB 723 STATISTICAL GENETICS & GENOMICS**
- 2023 ● **HOW TO LEARN TO CODE**
- 2023 ● **WINSPIRE DANCING WITH DATA!**
- 2023 ● **WINSPIRE DIGGING DEEPER**
- 2021 ● **BIO 268 BIOSTATISTICS**



TRAINING & CERTIFICATIONS

- 2022 ● **EFFECTIVE MENTORING TRAINING**
 - Foundation for developing competencies and skills in effective communication, aligning expectations, assessing progress and understanding, addressing equity and inclusion, fostering independence, cultivating ethical behavior, and being able to articulate a mentoring philosophy to others.



PUBLICATIONS

- **ADVANCE U.S. INTERNATIONAL DIPLOMACY EFFORTS BY EXPANDING ELIGIBILITY IN THE EMBASSY SCIENCE FELLOWS PROGRAM**
Journal of Science Policy and Governance
· Authored with Rami Major and Rachel Cherney
- **ZOOM FATIGUE: JUST ONE COVID-19 COLLEGE EXPERIENCE CHALLENGE**
Inside Higher Ed
- **LETTER TO THE EDITOR: OCCIDENTAL STUDENT-ATHLETES DEMAND ACCOUNTABILITY**
The Occidental



INVITED TALKS

- 2023 ● **THE ROLE OF 3D CHROMATIN STRUCTURE IN RESPONSE TO ENVIRONMENTAL STRESS**

2023



THE PEOPLE OF POSIT: BRINGING PERSONALITY TO R
PACKAGES

2021



STUDENT-EQUITY-CENTRIC: A VISION FOR THE FUTURE
OF HIGHER EDUCATION (2021)



POSTER PRESENTATIONS

2018

|

2023



POSTER PRESENTATIONS