

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/jpfflores-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



PROFESSIONAL EXPERIENCE

2021
|
2020

DATA SCIENCE INTERN

University of Utah David Eccles School of Business Sorenson Impact Center

📍 Salt Lake City, UT

- Work alongside the data science team to provide customized data analysis for clients, write code, learn best practices around data sharing and security, as well as create data visualizations and dashboards. Familiarity with Tidyverse set of packages within the R programming language.

2021
|
2020

STUDENT MANAGER OF THE STUDENT COALITION FOR HIGHER EDUCATION

University of Utah David Eccles School of Business Sorenson Impact Center

📍 Salt Lake City, UT

- Manage and engage students in a series of opportunities to inform the work and decisions of higher education professionals and demonstrate a model for IHEs to engage directly with students to develop more equitable, student-centric solutions.



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)

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 task.



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

2023

BCB 723 STATISTICAL GENETICS & GENOMICS

2023

HOW TO LEARN TO CODE

2023

WINSPIRE DANCING WITH DATA!

2023

WINSPIRE DIGGING DEEPER

2023

ACADEMIC SUPPORT PROGRAM FOR STUDENT-ATHLETES TUTOR

Office of the Executive Vice Chancellor and Provost - UNC-CH

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.



ACADEMIC ARTICLES



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



NON-ACADEMIC ARTICLES



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

2023



HYPEROSMOTIC STRESS INDUCES COMPLETE REWIRING OF CHROMATIN INTERACTIONS

UNC 6th Annual Chromatin & Epigenetics Symposium

📍 Chapel Hill, NC

- 2023

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HYPEROSMOTIC STRESS INDUCES COMPLETE REWIRING OF CHROMATIN INTERACTIONS

Keystone Symposium: Chromatin Architecture in Human Disease & Development

📍 Victoria, BC
- 2023

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HYPEROSMOTIC STRESS INDUCES COMPLETE REWIRING OF CHROMATIN INTERACTIONS

10th Annual Mid-Atlantic PREP & IMSD Research Symposium

📍 Blacksburg, VA
- 2023

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HYPEROSMOTIC STRESS INDUCES COMPLETE REWIRING OF CHROMATIN INTERACTIONS

5th Annual Dr. Samuel M. Nabrit Conference for Early Career Scholars

📍 Providence, RI
- 2023

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HYPEROSMOTIC STRESS INDUCES COMPLETE REWIRING OF CHROMATIN INTERACTIONS

Duke Biomolecular Condensates Symposium

📍 Durham, NC
- 2019

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FROM SEQUENCE TO ACTIVITY: SYNTHETIC NEUROEXCITATORY PEPTIDES FROM FISH-HUNTING CONE SNAILS

Southern California Conference for Undergraduate Research

📍 San Pedro, CA
- 2019

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FROM SEQUENCE TO ACTIVITY: SYNTHETIC NEUROEXCITATORY PEPTIDES FROM FISH-HUNTING CONE SNAILS

Society for Intergrative and Comparative Biology Annual Meeting

📍 Austin, TX
- 2018

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FROM SEQUENCE TO ACTIVITY: SYNTHETIC NEUROEXCITATORY PEPTIDES FROM FISH-HUNTING CONE SNAILS

Society for Neuroscience Annual Meeting

📍 San Diego, CA



SERVICE

- EXTERNAL SERVICE
- PROFESSIONAL SERVICE
- INSTITUTIONAL SERVICE