

# Educational Journey at UC Merced

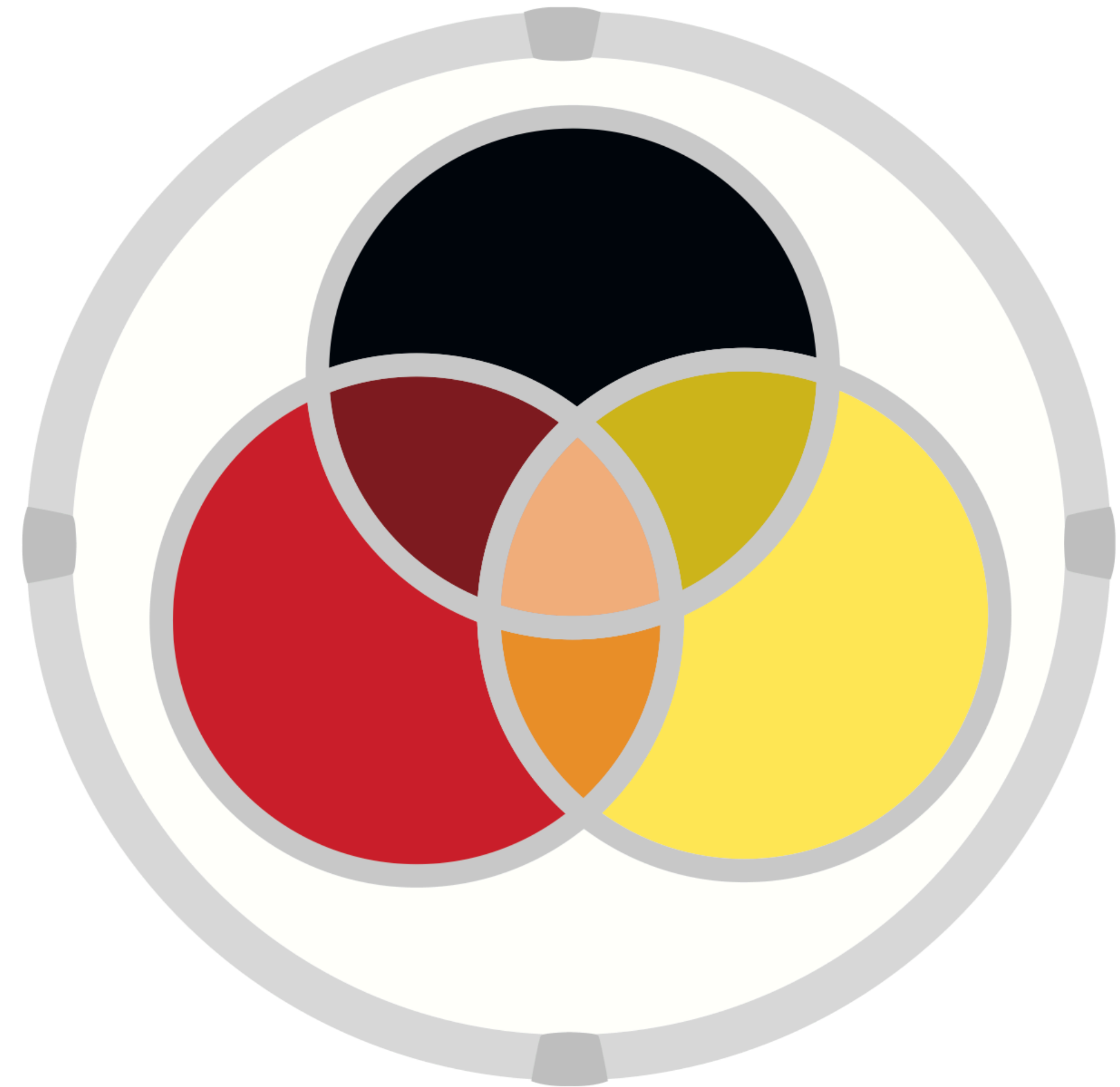
- Delano → Fresno State → CSU Bakersfield → UC Merced
- Visitation weekend solidified my decision to attend UC Merced



# Educational Experience

## at UC Merced

- Supportive environment in courses and advising
- Early involvement in research and conference presentations
- Exposure to diverse researchers through organizations (e.g. SACNAS, LatMath, SIAM)



**Science** • **Culture** • **Community**

*2015 SACNAS Conference Theme*

# Educational Experience at UC Merced

- Internship opportunity at Joint Genome Institute (2017)
- Educational research in assessment and professional development opportunities with the Center for Teaching and Learning
- Mentorship opportunities with undergraduate students



*2018 JGI-UC Merced Internship Presentations*

# Fresno State

## Fostering a new computational culture

- Invited speakers from
  - Current & Previous UC Merced Alumni
  - Lawrence Livermore National Laboratory
  - Other government labs through Sustainable Horizons Institute

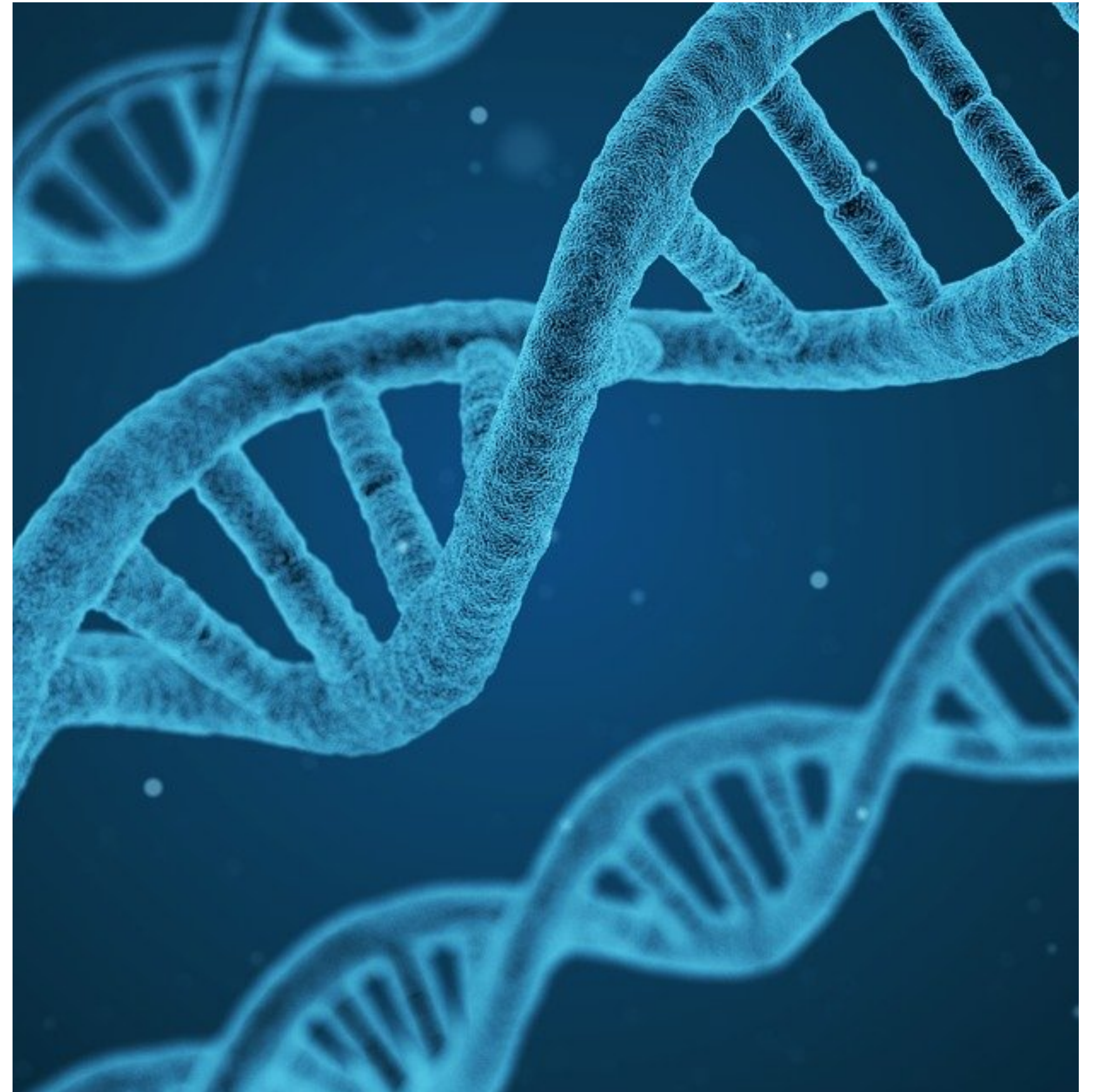


*2019 Fresno State SIAM Graduate Student Panel*

# Student Testimonials

## Fostering a new computational culture

- Increased Research Opportunities
  - Advised 15 undergraduate and graduate students
  - 60% women and ~ 50% from underrepresented groups



# Fresno State

## Fostering a new computational culture

- Development of MATH 120 Course - *Mathematical Software & Programming*
  - 38 students
- Renewed interest in Society for Industrial and Applied Mathematics (SIAM) Chapter
  - Collaborations with UCM SIAM Chapter



# Fresno State

## Student Testimonials

“ ... I have been given the opportunity to expand my programming skills within the Math Department thanks to clubs, courses, and research. We even have our very own club (SIAM) that hosts programming events...”

"My experience has been extremely welcoming, from faculty to peers! Even though I was beginning my masters online last year, I still felt like I was becoming part of the community here!"

"Prior to Fresno State, my experience with programming was sparse and still at an elementary level. One of my first classes as a masters student was mathematical modeling, where I was able to develop my programming skills in python. The class was intense but definitely well worth it as I still use python in my current research. Best unexpected bootcamp!"