

CURRICULUM VITAE

PERSONAL INFORMATION

Name: DaCosta, Carly

EDUCATION

School: San Diego Mesa College

Location: San Diego, California

Degree: Associate of Arts Degree (High Honors), Kinesiology & Nutrition

Dates: 08/2015 – 08/2018

School: San Diego State University

Location: San Diego, California

Degree: Bachelor of Arts (Cum Laude), Interdisciplinary Studies (Biology, Public Health, & Women's Studies)

Dates: 05/2018 – 08/2022

POST-BACCALAUREATE TRAINING

Institution: Case Western Reserve University

Location: Cleveland, Ohio

Position: Post-baccalaureate Research Education Program (PREP)

Dates: 07/2023 – Present

CONTACT INFORMATION

(619) 453-3405

E-mail: carly.dacosta@case.edu

PROFESSIONAL/ACADEMIC APPOINTMENTS

Position/Rank: Research Technician I & PREP Scholar

Institution/Department: Case Western Reserve University School of Medicine

Dates: 07/2023 – Present

Position/Rank: Lab Assistant & Bridges to Stem Cell Research Intern

Institution/Department: California Institute for Regenerative Medicine (CIRM), Sanford Consortium for Regenerative Medicine, University of California San Diego

Dates: 08/2021 – 06/2023

Position/Rank: Summer Research Fellow

Institution/Department: Medical Scientist Training Program Summer Undergraduate Research Fellowship (MSTP SURF), University of California San Diego School of Medicine

Dates: 06/2021 – 08/2021

Position/Rank: Partnership Scholar

Institution/Department: San Diego State University Partnership Scholars Program (PSP), Moores Cancer Center, University of California San Diego Health

Dates: 06/2019 – 03/2020

HONORS AND AWARDS

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|-------------------|--|
| 08/2024 | National Institutes of Health - Diversity Supplement Recipient |
| 05/2024 | PREP Scholar of the Year, Case Western Reserve University |
| 01/2024 | Lange Symposium Travel Award, University of California Los Angeles |
| 07/2023 – Present | National Institute of General Medical Sciences - CasePREP Scholar |
| 03/2022 | Provost's Award, San Diego State University |
| 12/2018 – 05/2019 | Scholar Athlete (Rowing), San Diego State University |
| 12/2016 – 12/2018 | Dean's List, San Diego Mesa College and San Diego State University |

MEMBERSHIP IN PROFESSIONAL SOCIETIES

| | |
|----------------|--|
| 2023 – Present | American Society of Human Genetics |
| 2021 – Present | Mortar Board Jane K. Smith Cap and Gown Chapter |
| 2021 – Present | California State University - Louis Stokes Alliance for Minority Participation |
| 2018 – Present | Tau Sigma National Honors Society |
| 2018 – Present | Phi Theta Kapp Honor Society |

PROFESSIONAL SERVICES

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|-------------------|---|
| 08/2022 – 06/2023 | Peer Mentor, Health Professions Advising Office, San Diego State University |
| 01/2019 – 01/2022 | President, Black Student Science Organization, San Diego State University |

RESEARCH SUPPORT

3R01AG058066-04S1 (Haines, MPIs)

08/1/2024 – 05/31/2027

NIH/NIA

Diversity Supplement to Protective Genetic Variants for Alzheimer Disease in the Amish
The proposed research focuses on identifying genetic contributors to Alzheimer disease (AD) risk and protection, with a particular emphasis on founder (Amish) and diverse (African American) populations. The specific aim for this diversity supplement is to construct and describe genetic risk score distributions for two clinically recognized depressions: post-partum depression (PPD) and major depressive disorder (MDD). The central hypothesis is that prior diagnoses of depression, such as PPD and MDD, increase the risk of late-onset AD. The objectives of the proposed training and research include introducing key concepts in rigor and reproducibility in genetics, genomics, and big data science in preparation for graduate studies in related fields.

Role: Post-baccalaureate Trainee

R25 GM075207-17 (Crawford)

07/01/2020-06/30/2025

NIH/NIGMS

Case Western Reserve University Postbaccalaureate Research Education Program

The overall goal of CasePREP is to develop recent baccalaureate science graduates from diverse backgrounds under-represented in biomedical sciences so they have the necessary knowledge and skills to pursue PhD or MD/PhD degrees in these fields.

Role: CasePREP Scholar

BIBLIOGRAPHY

ORAL PRESENTATIONS

DaCosta C, Rose CM, Liu S, Crawford DC. Genetics of postpartum depression in African American women. Case Western Reserve University School of Medicine Graduate and Medical Student Research Day, Cleveland, Ohio, October 22, 2024.

DaCosta C, Rose CM, Lui S, Crawford DC. Characterizing the genetic components of postpartum depression in African Americans. Case Western Reserve University Postbaccalaureate Research Education Program Research Day, Cleveland, Ohio, May 16, 2024.

DaCosta C, Schlachetzki J, Glass C. Chloroquine-induced lysosomal dysfunction causes a shift in microglia phenotype. University of California San Diego Medical Scientist Training Program Summer Undergraduate Research Fellowship (UCSD MSTP SURF) Research Symposium, San Diego, California, August 12, 2021.

POSTER PRESENTATIONS

DaCosta C, Rose CM, Liu S, Crawford DC. Genetics of postpartum depression in African American women. Annual Biomedical Research Conference for Minoritized Scientists (ABRCMS), Pittsburgh, Pennsylvania, November 13-16, 2024.

DaCosta C, Rose CM, Liu S, Crawford DC. Genetics of postpartum depression in African American women. American Society of Human Genetics (ASHG) Annual Meeting, Denver, Colorado, November 5-9, 2024.

DaCosta C, Lui S, Rose CM, Crawford DC. Genetics and postpartum depression in African American women. Case Western Reserve University School of Medicine Graduate and Medical Student Research Day, Cleveland, Ohio, December 7, 2023.

DaCosta C, Lui S, Rose CM, Crawford DC. Genetics and postpartum depression in African American women. Annual Biomedical Research Conference for Minoritized Scientists (ABRCMS), Phoenix, Arizona, November 15-18, 2023.

DaCosta C, Chu Cheung V, Fierro M, Caron C, Bui JD, Kaufman DS, Horii M, Parast MM. Optimizing derivation of decidual-type natural killer cells from human pluripotent stem cells. California Institute for Regenerative Medicine (CIRM) Bridges Trainee Annual Meeting, San Diego, California, August 25-27, 2022.

DaCosta C, Chu Cheung V, Fierro M, Caron C, Bui JD, Kaufman DS, Horii M, Parast MM. Optimizing derivation of decidual-type natural killer cells from human pluripotent stem cells. International Society for Stem Cell Research 20th Annual Meeting, San Francisco, California, June 15-18, 2022.

DaCosta C, Chu Cheung V, Horii M, Bui T, Parast MM. Optimizing derivation of decidual-type natural killer cells from induced pluripotent stem cells. San Diego State University's 15th Annual Student Research Symposium, San Diego, California, March 4-5, 2022. **Received the Provost's Award** given to the top two poster presentations in each college.

DaCosta C, Bradley SM, Tucker S, Rabin BA, Hurst S, Gupta S, Liu L, Alvarez F, James A, Nodora J. Using a process map to identify workflow and intervention points for colorectal cancer screening in community health centers. 44th Annual American Society of Preventive Oncology Conference, Tucson, Arizona, March 23-27, 2020. *Presented virtually*.

DaCosta C, Bradley SM, Tucker S, Rabin BA, Hurst S, Gupta S, Liu L, Alvarez F, James A, Nodora J. Using a process map to identify workflow and intervention points for colorectal cancer screening in community health centers. San Diego State University's 13th Annual Student Research Symposium, San Diego, California, February 29-30, 2020.