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Third-year undergraduate student at the University of California, Los Angeles pursuing a career in cell and developmental biology research. Committed to making science more accessible and inclusive for the public.

PUBLICATIONS

In Review

- Auriana Arabpour, DiRusso, J.A... **Bian, Z.R...** Clark, A.T. (2025). TFAP2A+ embryonic progenitor cells undergo fate diversification to give rise to human amnion, germline, and mesoderm. *bioRxiv*. doi:<https://doi.org/10.1101/2025.06.26.661839>.

EDUCATION

University of California, Los Angeles

September 2023 - June 2027

B.S. in Molecular, Cell, and Developmental Biology (GPA: 3.90 / 4.00)

- Minors in Biomedical Research and Comparative Literature. Specialization in Computing.

RESEARCH EXPERIENCE

University of California, Los Angeles

September 2024 - Present

Undergraduate Researcher in the Lab of Dr. Amander Clark

- Investigating signaling mechanisms driving germ cell development in the early human embryo.

Oregon Health and Science University

June 2024 - August 2024

Research Intern in the Lab of Drs. Catherine and James Galbraith

- Developed computational pipeline for cell segmentation and tracking using machine learning and Python.

Undergraduate Research Consortium in Functional Genomics

January 2024 - March 2024

Undergraduate Researcher instructed by Dr. Carrie Spratford

- Studied effects of systemic oncogenic signaling on hematopoiesis in *Drosophila melanogaster*.

ACADEMIC ACTIVITIES

Integrated and Interdisciplinary Undergraduate Research Program

September 2025 - Present

Research Scholar

- Attending weekly journal clubs and presenting quarterly research talks about biomedical research topics.

UCLA Center for Education Innovation & Learning in the Sciences

March 2025 - Present

Life Sciences Learning Assistant

- Assisting student instruction for introductory Python biological systems modeling (LIFESCI 30A, LIFESCI 30B) and statistical analysis (LIFESCI 40).

UCLA Undergraduate Science Journal (USJ)

January 2024 - Present

Managing Editor - Layout

- Leading 6-7 editors in laying out 10+ research papers for annual journal volumes. Responsible for layout software training and instruction on adherence to scientific publishing standards.

PRESENTATIONS

Annual UCLA Undergraduate Interdisciplinary Research Association Poster Day

May 27, 2025

UCLA Molecular, Cell and Developmental Biology 2026 Research Conference

January 29, 2026

AWARDS

Barry M. Goldwater Scholarship

March 27, 2026

SKILLS

Laboratory: Stem Cell Culture • Flow Cytometry • Immunofluorescence • Microscopy

Computational: Python • C++ • HTML/CSS • ImageJ (Java) • Unity (C#)

Language: Chinese (fluent) • Japanese (intermediate)