



David Armenta

COLLEGE Lecturer

Stanford Introductory Studies - Civic, Liberal, and Global Education

Bio

BIO

David Armenta is a lecturer for the Civic, Liberal, and Global Education (COLLEGE) program. He earned his bachelor's degree in molecular and cellular biology from Harvard University. Working as an undergraduate intern in the lab of Andrew Murray, he studied mechanisms underlying evolution and adaptation in budding yeast. Next, he earned his PhD in biology (cells, molecules, and organisms track) from Stanford University, working with Scott Dixon to study how amino acid metabolism regulates sensitivity of cancer cells to the nonapoptotic cell death mechanism of ferroptosis.

ACADEMIC APPOINTMENTS

- Lecturer, Stanford Introductory Studies - Civic, Liberal, and Global Education

Teaching

COURSES

2023-24

- Advances in Cancer Biology Research and Cancer Treatments: BIO 40S (Sum)
- Biology in the News: BIO 15S (Sum)
- Citizenship in the 21st Century: COLLEGE 102 (Win)
- Living with Viruses: COLLEGE 112 (Spr)
- Why College? Your Education and the Good Life: COLLEGE 101 (Aut)

2022-23

- Citizenship in the 21st Century: COLLEGE 102 (Win)
- Living with Viruses: COLLEGE 112 (Spr)
- Why College? Your Education and the Good Life: COLLEGE 101 (Aut)

Publications

PUBLICATIONS

- **Ferroptosis inhibition by lysosome-dependent catabolism of extracellular protein.** *Cell chemical biology*
Armenta, D. A., Laqtom, N. N., Alchemy, G., Dong, W., Morrow, D., Poltorack, C. D., Nathanson, D. A., Abu-Remalieh, M., Dixon, S. J.
2022
- **Context-dependent regulation of ferroptosis sensitivity.** *Cell chemical biology*
Magtanong, L., Mueller, G. D., Williams, K. J., Billmann, M., Chan, K., Armenta, D. A., Moffat, J., Boone, C., Myers, C. L., Olzmann, J. A., Bensinger, S. J., Dixon, S. J.

2022

- **A compendium of kinetic modulatory profiles identifies ferroptosis regulators.** *Nature chemical biology*
Conlon, M., Poltorack, C. D., Forcina, G. C., Armenta, D. A., Mallais, M., Perez, M. A., Wells, A., Kahanu, A., Magtanong, L., Watts, J. L., Pratt, D. A., Dixon, S. J.

2021

- **Investigating Nonapoptotic Cell Death Using Chemical Biology Approaches.** *Cell chemical biology*
Armenta, D. A., Dixon, S. J.

2020