Stanford

Levi D. Palmer

Postdoctoral Scholar, Materials Science and Engineering

Bio

BIO

Levi Palmer is a postdoctoral fellow at Stanford University. As an Arnold O. Beckman Fellow and a Geballe Laboratory for Advanced Materials (GLAM) Fellow, he is working with Professors Kate Reidy, Colin Ophus, and Stacey Bent to develop in situ microscopy methods to image materials growth, performance, and failure at atomic scales.

Prior to his time at Stanford, Levi was an NSF Graduate Research Fellow at Caltech. He completed his Ph.D. in Chemistry under Professor Scott Cushing to image carrier and heat dynamics in photocatalysts by developing ultrafast electron energy-loss spectroscopy (EELS) methods. During his Ph.D., he also received a DOE Office of Science Graduate Student Research (SCGSR) Fellowship to work at Argonne National Laboratory with Dr. Thomas Gage. He earned his B.S. in Chemistry from the University of Minnesota – Twin Cities and studied under Professor Renee Frontiera.

HONORS AND AWARDS

- Arnold O. Beckman Postdoctoral Fellowship, Arnold and Mabel Beckman Foundation (08/01/2026)
- GLAM Postdoctoral Fellowship, Geballe Laboratory for Advanced Materials, Stanford University (08/01/2026)

PROFESSIONAL EDUCATION

- B.S., University of Minnesota – Twin Cities , Chemistry (2020)
- Ph.D., California Institute of Technology , Chemistry (2026)

STANFORD ADVISORS

- Kate Reidy, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Kate Reidy, IDEA Lab (8/1/2026)
- Stacey Bent, Bent Research Group (8/1/2026)
- Colin Ophus, COLab (8/1/2026)

Publications

PUBLICATIONS

- **Oxidizing Role of Cu Cocatalysts in Unassisted Photocatalytic CO2Reduction Using p-GaN/Al2O3/Au/Cu Heterostructures.** *ACS nano*

Zoric, M. R., Basera, P., Palmer, L. D., Aitbekova, A., Powers-Riggs, N., Lim, H., Hu, W., Garcia-Esparza, A. T., Sarker, H., Abild-Pedersen, F., Atwater, H. A., Cushing, S. K., Bajdich, et al

2024