



Peyton High

Postdoctoral Scholar, Stanford Cancer Institute

Bio

PROFESSIONAL EDUCATION

- Bachelor of Science, Saint Louis University (2022)
- Doctor of Philosophy, Univ Texas Health Science Ctr-Houston (2026)

STANFORD ADVISORS

- Steven Corsello, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **LGR5: from stem cell marker to therapeutic target.** *Trends in cancer*
High, P. C., Cappellino, M. G., Blackburn, T. A., Carmon, K. S.
2026; 12 (6): 495-509
- **Bispecific antibody-drug conjugates targeting EGFR and LGR5 exert potent antitumor activity in colorectal cancer models** *BioRxiv*
High, P. C., Cappellino, M. G., Sullivan, S. P., Blackburn, T. A., Guernsey-Biddle, C., Liang, Z., Carmon, K. S.
2026
- **Antibody-drug conjugate combination therapy targeting LGR5 and MET with different payloads enhances efficacy in preclinical colorectal cancer models** *BioRxiv*
Subramanian, S., High, P. C., Guernsey-Biddle, C., Cappellino, M. G., Liang, Z., Aldana, A. M., Li, L., Pan, S., Carmon, K. S.
2026
- **Cetuximab increases LGR5 expression and augments LGR5-targeting antibody-drug conjugate efficacy in patient-derived colorectal cancer models.** *Cell reports. Medicine*
High, P. C., Liang, Z., Guernsey-Biddle, C., Subramanian, S., Shyu, Y. M., Aldana, A. M., Toh, Y., Carmon, K. S.
2025; 6 (10): 102363
- **Antibody-Drug Conjugates Targeting the EGFR Ligand Epiregulin Elicit Robust Antitumor Activity in Colorectal Cancer.** *Cancer research*
Jacob, J., Anami, Y., High, P. C., Liang, Z., Subramanian, S., Ghosh, S. C., AghaAmiri, S., Guernsey-Biddle, C., Tran, H., Rowe, J., Azhdarinia, A., Tsuchikama, K., Carmon, et al
2025; 85 (5): 973-986
- **Exploring the Potential of Epiregulin and Amphiregulin as Prognostic, Predictive, and Therapeutic Targets in Colorectal Cancer.** *Onco*
Guernsey-Biddle, C., High, P., Carmon, K. S.
2024; 4 (4): 257-274
- **Demographics- and Performance-Based Differences in STEM Students' Entrepreneurial Mindsets** *JOURNAL OF CHEMICAL EDUCATION*
High, P., Dajani, J., Ainapurapu, S., Alagic, A.
2024; 101 (10): 4234-4241

- **The Evolving Paradigm of Antibody-Drug Conjugates Targeting the ErbB/HER Family of Receptor Tyrosine Kinases.** *Pharmaceutics*
High, P., Guernsey, C., Subramanian, S., Jacob, J., Carmon, K. S.
2024; 16 (7)
- **G protein-coupled receptor-targeting antibody-drug conjugates: Current status and future directions.** *Cancer letters*
High, P., Carmon, K. S.
2023; 564: 216191
- **"Design a Sensor": Implementation of Entrepreneurial-Minded Learning in Undergraduate General Chemistry** *JOURNAL OF CHEMICAL EDUCATION*
High, P., Alagic, A.
2023; 100 (4): 1557-1563