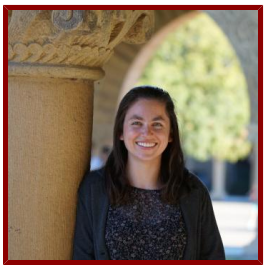
Stanford



Katarina Maria Guzman

Lecturer

Chemical Engineering

Bio

ACADEMIC APPOINTMENTS

- Lecturer, Chemical Engineering

Teaching

COURSES

2025-26

- Advanced Biochemical Engineering: BIOE 355, CHEMENG 355 (Spr)
- Chemical Engineering Laboratory A: CHEMENG 185A (Aut)
- Chemical Engineering Plant Design: CHEMENG 180 (Spr)
- Chemical Process Modeling, Dynamics, and Control: CHEMENG 100 (Win)
- Undergraduate Practical Training: CHEMENG 199 (Sum)

2024-25

- Chemical Engineering Laboratory A: CHEMENG 185A (Aut)
- Chemical Process Modeling, Dynamics, and Control: CHEMENG 100 (Win)
- Energy and Mass Transport: CHEMENG 120B (Spr)
- Undergraduate Honors Seminar: CHEMENG 191H (Aut, Win, Spr)

2023-24

- Chemical Engineering Laboratory A: CHEMENG 185A (Aut)
- Chemical Process Modeling, Dynamics, and Control: CHEMENG 100 (Win)
- Energy and Mass Transport: CHEMENG 120B (Spr)
- Undergraduate Honors Seminar: CHEMENG 191H (Aut, Win, Spr)

2022-23

- Chemical Engineering Laboratory A: CHEMENG 185A (Win)
- Chemical Engineering Laboratory B: CHEMENG 185B (Spr)
- Energy and Mass Transport: CHEMENG 120B (Spr)
- Undergraduate Honors Seminar: CHEMENG 191H (Aut, Win, Spr)

Publications

PUBLICATIONS

- **Discovery and Characterization of Antibody Probes of Module 2 of the 6-Deoxyerythronolide B Synthase.** *Biochemistry*
  Guzman, K. M., Cogan, D. P., Brodsky, K. L., Soohoo, A. M., Li, X., Sevillano, N., Mathews, I. I., Nguyen, K. P., Craik, C. S., Khosla, C.
  2023
- **Fragment antigen binding domains (Fabs) as tools to study assembly-line polyketide synthases.** *Synthetic and systems biotechnology*
  Guzman, K. M., Khosla, C.
  1800; 7 (1): 506-512
- **Properties of a "Split-and-Stuttering" Module of an Assembly Line Polyketide Synthase** *JOURNAL OF ORGANIC CHEMISTRY*
  Guzman, K. M., Yuet, K. P., Lynch, S. R., Liu, C. W., Khosla, C.
  2021; 86 (16): 11100-11106