

# Stanford

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## Katarina Maria Guzman

Lecturer

Chemical Engineering

### Bio

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#### ACADEMIC APPOINTMENTS

- Lecturer, Chemical Engineering

### Teaching

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#### COURSES

##### 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

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#### 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., Sevallano, 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