

VITA

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EDUCATION:

Ph.D.	Baylor University	2020-2025
B.S.	Grove City College	2016-2020

TEACHING EXPERIENCE:

Assistant Professor of Chemistry	East Texas Baptist University	2025-present
Graduate Teaching Assistant	Baylor University	2020-2021

OTHER WORK EXPERIENCE:

Graduate Research Assistant	Baylor University	2020-2025
Summer Intern	Merck Process Chemistry	2020
Undergraduate Research Fellow	Scripps	2019
Summer Intern	Merck Medicinal Chemistry	2018
Visiting Scholar	University of Pennsylvania	2014-2017

PROFESSIONAL DEVELOPMENT EXPERIENCES:

- American Chemical Society Southwestern Regional Meeting (SWRM) 2024
- TexSyn VI 2024
- American Chemical Society 2024 National Meeting 2024

PUBLICATIONS:

- Jackson, A. C.; Olsen, J. T.; Sundstrom, S.; Lambert, K. M.; Wood, J. L. A ring expansion approach to *N*-oxy-2,5-diketopiperazines. *Tetrahedron Lett.* 2022, *99*, 153851
- Wang, L.; Partridge, B. E.; Huang, N.; Olsen, J. T.; Sahoo, D.; Zeng, X.; Ungar, G.; Graf, R.; Spiess, H. W.; Percec, V. Extraordinary Acceleration of Cogwheel Helical Self-Organization of Dendronized Perylene Bisimides by the Dendron Sequence Encoding Their Tertiary Structure. *J. Am. Chem. Soc.* 2020, *142*, 9525-9536
- Partridge, B. E.; Wang, L.; Sahoo, D.; Olsen, J. T.; Leowanawat, P.; Roche, C.; Ferreira, H.; Reilly, K. J.; Zeng, X.; Ungar, G.; Heiney, P. A.; Graf, R.; Spiess, H. W.; Percec, V. Sequence-Defined Dendrons Dictate Supramolecular Cogwheel Assembly of Dendronized Perylene Bisimides. *J. Am. Chem. Soc.* 2019, *141*, 15761-15766
- Jezorek, R. L.; Zhang, N.; Leowanawat, P.; Bunner, M. H.; Gutsche, N.; Pesti, A. K. R.; Olsen, J. T.; Percec, V. *Org. Lett.* 2014, *16*, 6326-6329

PRESENTATIONS:

- Olsen J. T.; Tuccinardi, J. P.; Rozema, S. M.; Wood, J. L. Progress Towards the Total Synthesis of Nargenicin A1. American Chemical Society Southwestern Regional Meeting (SWRM), Waco, TX, October 20-23, 2024 (poster)
- Presented research update to Prof. John Porco and Baylor Chemistry and Biochemistry department at colloquium coffee hour, April 26, 2024
- Olsen J. T.; Tuccinardi, J. P.; Rozema, S. M.; Wood, J. L. Progress Towards the Total Synthesis of Nargenicin A1. TexSyn VI, Department of Chemistry, Texas A&M University, College Station, TX, May 31-June 1, 2024 (poster and 3-minute thesis oral presentation)
- Olsen J. T.; Tuccinardi, J. P.; Rozema, S. M.; Wood, J. L. Progress Towards the Total Synthesis of Nargenicin A1. American Chemical Society 2024 National Meeting. New Orleans, LA, March 17-21, 2024 (poster)
- Presented research update to Prof. Keary Engle and Baylor Chemistry and Biochemistry department at colloquium coffee hour, January 19, 2024
- Presented research update to Prof. Florence Williams and Baylor Chemistry and Biochemistry department at colloquium coffee hour, November 3, 2023

PATENT APPLICATION:

- Arasappan, A.; Bell, I. M.; Bungard, C. J.; Burgey, C. S.; Cox, J. M.; Guiadeen, D. G.; Kelly, M. J. III; Layton, M. E.; Liu, H.; Liu, J.; Olsen, J. T.; Perkins, J. J.; Schubert, J. W.; Shah, A. A.; Vanheyst, M. D.; Wu, Z. 2-Oxo-oxazolidine-5-carboxamides as NaV1.8 inhibitors. U.S. Patent WO 2021257418, December 23, 2021

RESEARCH INTERESTS:

- Total synthesis of complex and biologically active natural products
- Discovery of novel methodologies that enrich and expand known chemical space
- Application of synthetic and medicinal chemistry principles towards the development of novel treatments for neglected diseases