

Stanford



Addison Duda

Postdoctoral Scholar, Microbiology and Immunology

Bio

HONORS AND AWARDS

- Dean's Postdoctoral Fellowship, Stanford University School of Medicine (01/2026–12/2026)
- Joe Taylor Adams Fellowship, Department of Chemistry, Duke University (01/2025–05/2025)
- Graduate Ambassador Fellowship, Department of Chemistry, Duke University (02/2025)
- Burroughs Wellcome Fellowship, Department of Chemistry, Duke University (01/2024–05/2024)
- NIH Pharmacological Sciences Training Program (T32 GM133352), Department of Pharmacology and Cancer Biology, Duke University (09/2021–08/2023)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Graduate-Alumni Representative, Trinity Board of Visitors, Duke University (2024 - present)
- Alumni Relations Chair, Department of Chemistry, Duke University (2023 - 2025)
- Outreach Coordinator, Department of Chemistry, Duke University (2022 - 2024)

PROFESSIONAL EDUCATION

- Ph.D., Duke University , Chemistry (2025)
- Graduate Certificate, Duke University , Innovation and Entrepreneurship (2025)
- B.S., Hope College , Chemistry, Biochemistry Emphasis: ACS-certified (2019)

STANFORD ADVISORS

- Denise Monack, Postdoctoral Faculty Sponsor

LINKS

- LinkedIn: <https://www.linkedin.com/in/addisonduda/>
- NLM My Bibliograph: <https://www.ncbi.nlm.nih.gov/myncbi/addison.duda.1/bibliography/public/>
- Google Scholar: <https://scholar.google.com/citations?user=TDJljzwAAAAJ>
- ORCID: <https://orcid.org/0000-0002-8116-4714>

Publications

PUBLICATIONS

- **An Engineered Prodrug Selectively Suppresses β -Lactam-Resistant Bacteria in a Mixed Microbial Setting.** *ACS infectious diseases*
Duda, A. M., Ma, H. R., Villalobos, C. A., Kuhn, S. A., Angle, S. S., He, K., Jackson, A. C., Suh, C. M., Puccio, E. A., Anderson, D. J., Fowler, V. G., You, L., Franz, et al

2025

- **Mouse α -synuclein fibrils are structurally and functionally distinct from human fibrils associated with Lewy body diseases.** *Science advances*
Sokratian, A., Zhou, Y., Tatli, M., Burbidge, K. J., Xu, E., Viverette, E., Donzelli, S., Duda, A. M., Yuan, Y., Li, H., Strader, S., Patel, N., Shiell, et al
2024; 10 (44): eadq3539
- **Anionic nanoplastic contaminants promote Parkinson's disease-associated α -synuclein aggregation.** *Science advances*
Liu, Z., Sokratian, A., Duda, A. M., Xu, E., Stanhope, C., Fu, A., Strader, S., Li, H., Yuan, Y., Bobay, B. G., Sipe, J., Bai, K., Lundgaard, et al
2023; 9 (46): eadi8716
- **Intramolecular Oxidative Diaryl Coupling of Tetrasubstituted Diphenylamines for the Preparation of Bis(trifluoromethyl) Dimethyl Carbazoles** *SYNOPEX*
Duda, A. M., Giurini, M. T., Gillmore, J. G., Guarr, T. F.
2021; 05 (04): 308-313

PRESENTATIONS

- A chemical design platform for developing selective antibiotics against resistant, pathogenic bacteria in mixtures - Department Chemistry + Biochemistry, Hope College (February 14, 2025)
- Hijacking beta-lactamase activity: Prodrugs designed to selectively kill drug resistant bacteria - 2023 Southeastern Regional Meeting of the American Chemical Society (October 27, 2023)
- Hijacking beta-lactamase activity: Prodrugs designed to selectively kill drug-resistant bacteria - 2023 American Chemical Society Fall National Meeting, San Francisco (August 15, 2023)
- Hijacking beta-lactamase activity: Prodrugs designed to selectively kill drug-resistant bacteria - 2023 International Conference on Biological Inorganic Chemistry (July 18, 2023)
- Modulation of Beta-lactam Prochelatons for Metallo-beta-lactamase Specificity - 2022 Metals in Medicine, Gordon Research Conference (June 28, 2022)
- Cationic Linked Heterocyclic Salts for Redox Flow Batteries - 2019 West Michigan ACS National Chemistry Week
- Sonogashira Routes to Phenylethylenes for Photomechanical Polymeric Systems - 2018 Reaction Mechanisms Conference
- Sonogashira Routes to Phenylethylenes for Photomechanical Polymeric Systems - 2018 Ohio Photochemical Society Conference
- Sonogashira Routes to Phenylethylenes for Photomechanical Polymeric Systems - 2017 West Michigan Regional Undergraduate Science Conference