



Adam X. Wayment, Ph.D.

Technical Specialist

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Adam Wayment, Ph.D. is a Technical Specialist within Marshall Gerstein's Chemical Sciences Group. He assists with drafting provisional, non-provisional, continuation, and divisional patent applications, responding to office actions, and performing patent searches. Adam has experience drafting and prosecuting patent applications in the small molecule and pharmaceutical space for academic institutions, start-ups, and large pharmaceutical corporations

Practices

- Patent Prosecution

Industries

- Chemical Sciences

Representative Experience

- Organic synthesis at various scales
- Photocatalysis
- Peptide synthesis
- Organometallic catalysis
- Purification methods

Background and Credentials

Prior to joining Marshall Gerstein, Adam worked as a postdoctoral fellow at Northwestern University in the lab of Prof. Karl Scheidt. In his postdoctoral research, Adam developed novel synthetic pathways involving N-heterocyclic carbene (NHC)/photocatalytic methods to synthesize medicinally important compounds.

Adam achieved his Ph.D. in organic chemistry from Brigham Young University, where he worked as a graduate researcher and gained valuable experience leading projects focused on the development of bifunctional peptide-based catalysts. Adam also served as the department's mass spectrometry lab manager, as well as several teaching and mentoring positions within the chemistry department. Adam holds a B.S. in Chemistry from Duke University, with a minor in Asian and Middle Eastern Studies (Chinese).

Education

- Brigham Young University (Ph.D.)
 - Organic Chemistry
- Duke University (B.S.)
 - Chemistry

Publications and Presentations

- **Wayment, A.X.**; Scheidt, K.A.; Three-Component Synthesis of γ -Amino Esters with α -Quaternary Carbon Centers via NHC/Photoredox Dual Catalysis. *Adv. Synth. Catal.* **2025**, 00, e70013.
- **Wayment, A.X.**; Johnson, N.C.; Rodriguez Moreno, M.; Stewart, C.; Felix, B.M.; Lambert, I.; Traynor, S.A.; Nielson, P.M.; Lofgreen, G.Q.; Smith, S.L.; Newton, M.P.; Tretbar, J.W.; Nygaard, J.M.L.; Harrell, K.G.; Kinghorn, M.J.; Michaelis, D.J.; Squaric Esters as Peptide Stapling Reagents. *Tett. Lett.* **2024**, 140, 155010.
- **Wayment, A.X.**; Rodriguez Moreno, M.; Jones, C.J.; Smith, G.J.; Jarman, P.; Garcia Morin, N.J.; Coombs, M.J.; Parkman, J.A.; Barlow, C.D.; Allington Smith, S.; Burt, S.R.; Michaelis, D.J.; Optimizing the local Chemical Environment of a Bifunctional Helical Peptide Scaffold Enables Enhanced Enantioselectivity and Cooperative Catalysis. *Org. Lett.* **2022**, 24 (16), 2983-2988.