Chris Lorenc, Ph.D.

PATENT AGENT

Chris's work involves patent prosecution in the Life Sciences sector.



Practices

Patent
— Patent Prosecution

Education

University of Connecticut, PhD
Hamilton College, BA, with honors

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Chris's work involves patent prosecution in the Life Sciences sector, including biotechnology and pharmaceuticals, small molecules, and chemistry.

Prior to joining ArentFox Schiff, Chris was a patent agent at a mid-sized law firm in Boston, and before that, Chris was a postdoctoral research scientist with Jack Norton at Columbia University, where his research involved replacing tin hydrides in pharmaceutically useful radical cyclization reactions with cobalt and vanadium complexes using hydrogen gas. He has over two years of process experience in industry working on the development of innovative synthetic methods and synthesis of complex molecules. His graduate studies at the University of Connecticut involved method development and new reaction discovery in the synthesis of natural product-like molecules. His work included phosphinemediated cycloisomerization of alkynyl hemiketals, the rearrangement of spiroketals, and small library synthesis/SAR studies of desoamine analogs.

Publications, Presentations & Recognitions

Publications

- Lorenc, C.; Vibbert, H.B.; Yao, C.; Norton, J.R. "H· Transfer-Initiated Synthesis of y-Lactams: Interpretation of Cycloisomerization and Hydrogenation Ratios" *ACS Cata*/. 2019, 9{11),1 0294-1 0298
- Cannone, Z.; Shaqra, A.M.; Lorenc, C.; Henowitz, L.; Keshipeddy, S.; Robinson, V.L.; Zweifach, A.; Wright, D.; Peczuh, M.W. "Post-Glycosylation Diversification {PGD): An Approach for Assembling Collections of Glycosylated Small Molecules" *ACS Comb. Sci*. 2019, 21, 192-197.
- Kuo, J.L.; Lorenc, C.; Abuyuan, J.M.; Norton, J.R. "Catalysis of Radical Cyclizations from Alkyl Iodides under H2: Evidence for Electron Transfer from [CpV(CO)3H]-"J. Am. *Chem. Soc*. 2018, 140, 4512-4516.
- Lorenc, C.; Sauri, J.; Moser, A.; Buevich, A.V.; Williams, A.J.; Williamson, R.T.; Martin, G.E.; Peczuh, M.W. "Turning Spiroketals Inside Out: A Rearrangement Triggered by an Enol Ether Epoxidation" *Chemistry Open*. 2015, 4, 541-660.
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Lorenc, C.; Reeves, J. T.; Busacca, C.; Senanayake, C. H. “Acid Mediated Deprotection of N isopropyl Tertiary Amides” *Tet. Lett*. 2015, 56, 1280-1282.

- Desmond, R.; Magpusao, A.; Lorenc, C.; Alverson, J.; Priestley, N.; Peczuh, M.W. “De novo macrolide-glycolipid macrolactone hybrids: Synthesis, structure, and antibiotic activity of carbohydrate-fused macrocycles” *Beilstein J. Org. Chem*. 2014, 7 0, 2215-2221.
- Reeves, J. T.; Lorenc, C.; Camara, K.; Li., Z.; Lee, H.; Busacca, C.; Senanayake, C. H. “Carbamoyl Anion Addition to Nitrones” *J. Org. Chem*. 2014, 79 {7 2}, 5895-5902.
- Saha, J.; Lorenc, C.; Bikash, S.; Peczuh, M.W. “Discovery of a Phosphine-Mediated Cycloisomerization of Alkynyl Hemiketals: Access to Spiroketals and Dihydropyrazoles via Tandem Reactions” *J. Org. Chem*. 2012, 77 (8), 3846-3858.

Recognitions

- Doctoral Dissertation Fellowship Grant (2014)
- Boehringer-lngelheim Doctoral Scholarship for Organic Chemistry (2013)
- Departmental Honors (2010)
- Elihu Root Fellowship (2010)

Life Beyond the Law

Outside of work, Chris enjoys playing hockey and golf and going to concerts and musicals.

Court Admissions

US Patent and Trademark Office