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PRACTICE AREAS

Intellectual Property

Patents

EDUCATION

Georgetown University, Ph.D., Chemistry, 2020

Stetson University, B.S., 2016

Dr. Christine Greene is a patent agent with hands-on experience in bioinorganic chemistry, organic synthesis, computational theory, and analytical techniques. As part of the Intellectual Property practice, Christine supports clients in patent prosecution, freedom to operate and patentability analysis. In her previous role as a graduate researcher for Georgetown University, she investigated the central role of organocopper(II) intermediates in C-C and C-O bond transformations. She provided key leadership in her laboratory's response to COVID-19 by directing computational work for her team, leading to research continuity and new funding.

While serving as an undergraduate researcher at Stetson University, Christine independently researched zinc-ligand complexes with ethylene. Her work involved the application of computational chemistry methods, and examination of the electrophilic activation and bonding interactions of zinc, cadmium and mercury-ligand complexes with ethylene.

Presentations

- Lecture, "Bond Forming Reactions at Monometallic Sites," Thesis Progress Presentation, Georgetown University, Washington, D.C., September 2018
- Poster, "An Examination of NO Reduction at Monometalllic Sites," National Meeting and Exposition of the American Chemical Society - Division of Inorganic Chemistry, Washington, D.C., August 2017
- Poster, "{[M](NO)}^{11} Metal-Nitrosyls in cis-Hyponitrite and N2O Formation,"
- Mid-Atlantic Seaboard Inorganic Symposium, Philadelphia, Pennsylvania, July 2016

- Lecture, "Binding and Electrophilic Activation of Ethylene by Zinc (II)," Stetson University Showcase Symposium, Stetson University, DeLand, FL, April 2015

Publications

- Farrell, W.; Greene, C.; Ghosh, P.; Warren, T.; Zavalij, P. Decomposition of Vanadium(V) Alkylidenes Relevant to Olefin Metathesis. **2020**, *39*, 3906-3917.
- Bakhoda, A.; Okoromoba, O. E.; Greene, C.; Boroujeni, M. R.; Bertke, J. A.; Warren, T.H., Three-Coordinate Copper(II) Alkynyl Complex in C-C Bond Formation: The Sesquicentennial of the Glaser Coupling. **2020**, *J. Am. Chem. Soc.* 2020, *142*, 18483-18490.
- Boroujeni, M. R.; Greene, C.; Bertke, J. A.; Warren, T. H., Chemical and Electrocatalytic Ammonia Oxidation by Ferrocene, *ChemRxiv,* 2019.
- Bakhoda, A; Wiese, S.; Greene, C.; Figula, B. C.; Bertke, J. A.; Warren, T. H., Radical Capture at Nickel(II) Complexes: C-C, C-N, and C-O Bond Formation. **2020**, *39*, 1710-1718.
- Kundu, S.; Greene, C.; Williams, K. D.; Salvador, T.K.; Bertke, J.A.; Cundari, T. R.; Warren, T.H., Three Coordinate Terminal Copper(II) Aryl: Key Intermediates in C-O Bond Formation. *J. Am. Chem. Soc.* **2017**, *139*, 9112-9115.
- Greene, C.; Grudzien, P. K.; York, J., Binding and Electrophilic Activation of Ethylene by Zinc(II), Cadmium(II), and Mercury(II) Complexes: A Theoretical Investigation. *Organomet. Chem.* **2017**, *851*, 122-135.

News Releases

- Lathrop GPM Named Top Patent Firm by Juristat
  March 20, 2023
- Lathrop GPM Named Top Patent Firm by Juristat
  March 17, 2022