

Laura Avena - Patent Agent

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Laura Avena is a Patent Agent whose work focuses on the review and evaluation of technology in the fields of chemistry, pharmaceuticals, medical devices, and materials science.

During her post-graduate work at MIT, Ms. Avena synthesized and characterized first row transition metal metaphosphate complexes and tested these materials for redox flow battery applications using electrochemical analysis, performed multi-step organic synthesis to make various cyptand-type ligands, and designed procedures and glassware for moisture-free ozonolysis experiments following EHS regulations.

Before joining Desmarais LLP, Ms. Avena worked as a Technical Advisor and Patent Agent for the New York office of Baker Botts LLP. She also worked as a Patent Prosecution paralegal in the New York office of Cooper & Dunham, LLP.

Prior Experience

- Technical Advisor/Patent Agent, Baker Botts LLP, New York, New York, 2018-2022

Publications

- Stauber, J.; Zhang, S. Jiang, Y.; Avena, L.; Stevenson, K.; Cummins, C., *Cobalt and Vanadium Trimetaphosphate Polyanions: Synthesis, Characterization and Electrochemical Evaluation for Non-Aqueous Redox-Flow Battery Applications*, J. Am. Chem. Soc., 2018, 140 (2), at 538–541.
- Fischer, P. J.; Avena, L; Bohrmann, T. D.; Neary, M, C.; Putka, G.; Sullivan, K. P., *Group VI Metal Carbonyl Complexes of Bis((diphenylphosphino)methyl)diphenylborate and an Assessment of Their Utility for Template Ligand Syntheses*, *Organometallics*, 2014, 33, at 1300.

EDUCATION

Massachusetts Institute of Technology, M.S., Chemistry, 2016; Department of Chemistry Award for Outstanding Teaching

Macalester College, B.A., Chemistry and Physics, 2014; Kofi Annan International Scholarship; Emil J. Slowinski Award in Experimental Chemistry

- Fischer, P. J.; Neary, M. C.; Avena, L.; Sullivan, K. P.; Hackbarth, K. C., *Dicarbonyl{[2-(diphenylphosphino)ethyl]cyclopentadienyl} Group VI Metal Hydrides, Halides, and Anions: Precursors for Olefin Epoxidation Catalysts*, *Organometallics*, 2012, 31, at 2437.