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Yifan Wu Portrait

Yifan Wu, Ph.D.

TECHNICAL SPECIALIST

Yifan is a Technical Specialist in ArentFox Schiff's Boston Office.

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Yifan's work involves drafting patent applications and patent prosecution within chemistry and life sciences sectors, including organic chemistry, pharmaceuticals, small molecules, and polymer materials. Prior to joining ArentFox Schiff, Yifan was a technical specialist at a mid-sized law firm in Boston, MA.

Yifan received her PhD in Chemistry from the Massachusetts Institute of Technology. While at MIT, she led multidisciplinary research projects on the design of over ten novel polymer materials, resulting in several first-author publications and a pending US patent application. Her projects included discovering a recyclable heterogeneous catalyst with extraordinarily high and size-dependent catalytic activity for the application of pharmaceutical synthesis and developing a generalizable strategy to synthesize eight amine-functional polymers to remove acidic gases from sour natural gas and biogas.

While completing her undergraduate research at the University of California San Diego, Yifan discovered the first example of a symmetric hydrogen bond in solution for uncharged species and presented her findings at four prestigious conferences. She also received the UC San Diego Physical Sciences Dean's Undergraduate Award for Excellence and was named an ACS Outstanding Senior Undergraduate Organic Chemistry Student.

Publications, Presentations & Recognitions

Publications

- Sheng Guo, Yifan Wu, Shao-Xiong Lennon Luo, and Timothy M. Swager, "Versatile Nanoporous Organic Polymer Catalyst for the Size-Selective Suzuki-Miyaura Coupling Reaction," *ACS Applied Nano Materials 2022 5 (12), 18603-18611*
- Charles L. Perrin and Vifan Wu, "Symmetry of Hydrogen Bonds in Two Enols in Solution," *Journal of the American Chemical Society 2019 141 (9), 4103-4107*