

Tyler McQuade, Ph.D.

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Improving the World one reaction at a time.

Biography

As a core partner in the Gates Foundation-funded international Medicines for All (M4All) Initiative, the McQuade Group focuses its research on systems with the potential to improve the pharmaceutical and chemical industries. Dr. Tyler McQuade's personal motivation as a professor and researcher is to train young minds to become tomorrow's leaders in the molecular sciences and engineering, which dovetails perfectly with M4All's goal of increasing access to critical medicines in developing nations by developing more efficient manufacturing routes. The McQuade Group has a proven record of combining advanced chemistry and engineering to realize chemical systems that lead to low-cost and environmentally-friendly routes to important medicines.

Our ACS Green Chemistry-award-winning research program offers cutting-edge opportunities to students and other researchers with a desire to advance science in ways that can quickly affect and improve lives around the world. Creating more efficient and environmentally-friendly pharmaceutical manufacturing requires expertise in both processing equipment and reaction chemistry. Our research encompasses all aspects of basic reaction science, control theory, chemical engineering and information science.

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