

## From Fundamentals to Application: Taking Don Paul's Guidance to Develop New Membrane Materials



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**Bio:** Zachary P. Smith is an Assistant Professor and the Joseph R. Mares Career Development Chair in the Department of Chemical Engineering at the Massachusetts Institute of Technology. He completed his undergraduate training in Chemical Engineering from the Penn State Schreyer Honors College and his graduate training in Chemical Engineering under the guidance of Profs. Benny Freeman and Don Paul at the University of Texas at Austin. His postdoctoral training was in Inorganic Chemistry with Prof. Jeff Long at the University of California, Berkeley. Prof. Smith's research focuses on the rational design, synthesis, and characterization of polymers and porous materials for clean technology applications related to energy-efficient separations.