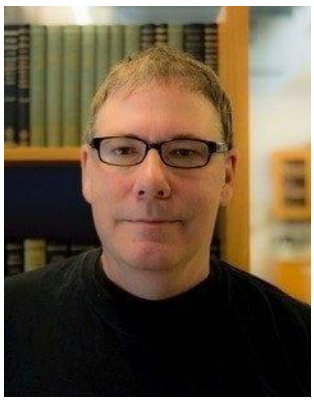
UNIVERSITY OF LOUISVILLE

COLLEGE OF ARTS & SCIENCES

Department of Chemistry

Brown and Williamson Series
October 13, 2023
@4:00 pm
CBLL16

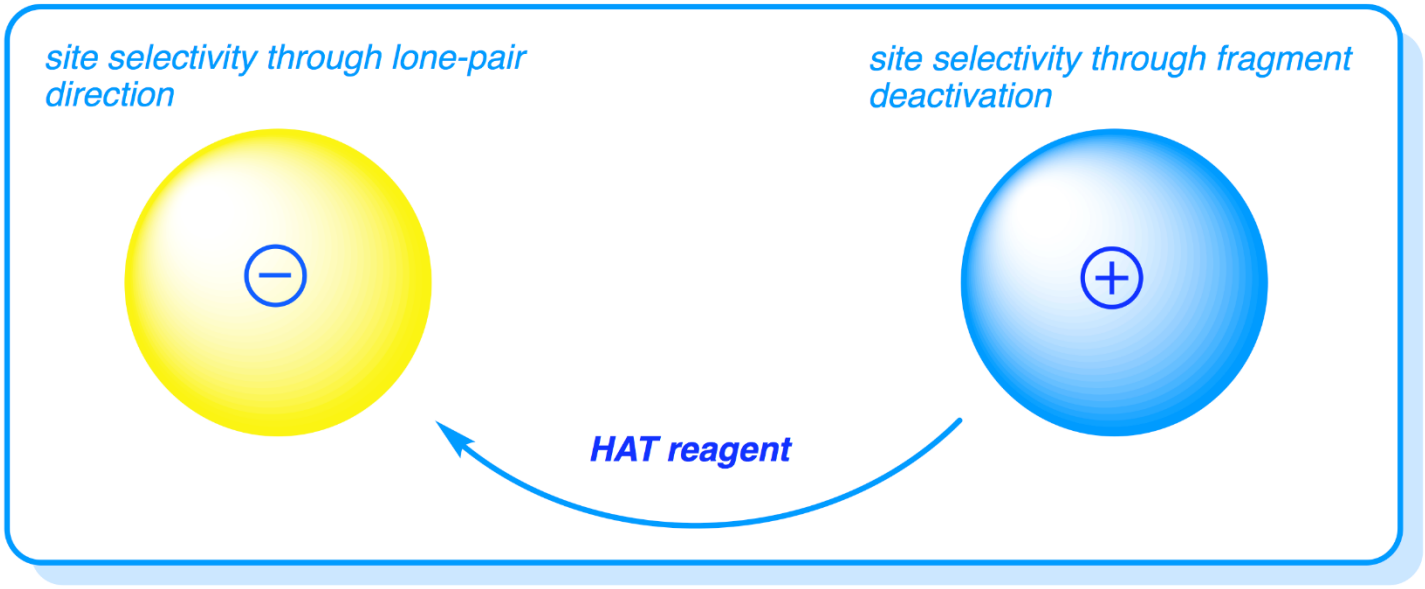


Thomas Lectka

Jean and Norman Scowe Professor
Johns Hopkins University

Promoted Radical Fluorination: from Scattershot to Site-Selectivity

ABSTRACT:
Times have changed a lot since the days in which a chemist treated an aliphatic substrate with fluorine gas and hoped for the best but generally expected the very worst. This talk will outline our journey from mild, but non-selective promoted radical fluorination (a great improvement over fluorine gas) to sophisticated strategies for attaining the goal of site-selectivity in very large, complex substrates.



BIO:
Tom Lectka graduated from Oberlin College with highest honors in Chemistry (B.A.) in 1985. He received his Ph.D. from Cornell University in 1990 (study with Professor John McMurry) whereupon he was an ACS Organic Division Fellow. He performed postdoctoral studies as an Alexander von Humboldt Fellow at Heidelberg (1991, study with Rolf Gleiter), and as an NIH Fellow at Harvard University (1992-1994, study with Professor David Evans). He joined the faculty of the Chemistry Department of Johns Hopkins in 1994, and was promoted to the Jean and Norman Scowe Professorship in 2012. He has been the recipient of an NIH First Award, an NSF Career Award, an Eli Lilly Grantee Award, a Sloan Fellowship, a Dreyfus-Teacher-Scholar Award, a John Simon Guggenheim Memorial Fellowship, and he was honored as the ACS Maryland Chemist of the Year in 2017.