



The Department of Chemistry
2019 Andrew S. Kende Distinguished Lectureship

Presents

Professor David A. Nicewicz

Department of Chemistry, University of North Carolina – Chapel Hill

“The Advent of Photoredox Catalysis as a Tool for Organic Synthesis”

Monday, February 4, at 4:00 p.m. in Hutchison Hall 473

Welcome Reception – First Floor Lounge at 5:15 p.m.

“Alkene Cation Radical Reactivity via Organic Photoredox Catalysis”

Tuesday, February 5, at 4:00 p.m. in Hutchison Hall 473

“Aromatic and Aliphatic C-H Functionalization via Organic Photoredox Catalysis”

Wednesday, February 6, at 12:00 p.m. in Lander Auditorium, 140 Hutchison Hall



Professor David A. Nicewicz was born in Edison, New Jersey in 1978. He completed his Bachelor's (2000) and Master's (2001) degrees in Chemistry at the University of North Carolina at Charlotte with Professor Craig A. Ogle. He then moved to the University of North Carolina at Chapel Hill where he completed his Ph.D. with Professor Jeffrey S. Johnson. Dave's studies were focused on the development of acyl anion equivalents generated via 1,2-Brook Rearrangements from silylglyoxylates, which he was able to successfully apply to a total synthesis of zaragozic acid C to complete his Ph.D. in 2006. Following his graduate education, Nicewicz was a Ruth L. Kirschstein Postdoctoral Fellow in the laboratories of Professor David W. C. MacMillan. It was during this time that Nicewicz pioneered the use of ruthenium photoredox catalysis in combination with chiral amine organocatalysis to develop a general method for enantioselective aldehyde alkylation. In July 2009, Dave began his independent career at the UNC Chapel Hill, where his laboratory has focused on organic photoredox catalysis for the development of novel chemical reactivity. He has received a number of awards early on in his career from the UNC (James Moeser Award for Distinguished Research; Ruth Hettleman Prize for Artistic and Scholarly Achievement), industry (Boehringer Ingelheim ; Amgen ; Eli Lilly), private foundations (Packard Fellowship in Science and Engineering; Camille Dreyfus Teacher-Scholar Award) as well as international recognition (Society of Synthetic Organic Chemistry, Japan Lectureship Award; The 13th Hirata Award, Nagoya University). In 2015, he was promoted to the rank of Associate Professor, and then to Full Professor in 2018, where he leads a research group focused on organic methodology development, catalysis and complex molecule synthesis.

Host: Professor Joseph Dinnocenzo (585) 275-8351 jpd@chem.rochester.edu