

PHILADELPHIA ORGANIC CHEMISTS' CLUB

DATE: Thursday, October 30th, 2003; 6:00 pm dinner, 8:00 pm seminar

PLACE: Room 102, New Chemistry Building, University of Pennsylvania, 34th and Spruce Streets, Philadelphia, PA

SPEAKER: **Professor Thomas Lectka**, Department of Chemistry, The Johns Hopkins University, Baltimore, MD 21218

BIOGRAPHY: Thomas Lectka received his Ph.D. from Cornell University in the laboratories of John McMurray. He was the recipient of an Alexander von Humbolt postdoctoral fellowship at the Univ. of Heidelberg and an NIH postdoctoral fellowship at Harvard University in the laboratories of David Evans. Thomas began his independent research career at The Johns Hopkins University and established research programs in the area of asymmetric catalysis. He has received numerous awards which include an Alfred P. Sloan Fellowship, Merck faculty development award 2002, 1999 Camille Dreyfus teacher scholar, DuPont ATE grant, American Cancer Society new faculty grantee, NSF career award and Eli Lilly young faculty grantee.

TITLE: **Asymmetric Catalysis with Zwitterionic Enolates: From beta-Lactam Synthesis to Enantioselective Halogenations**

ABSTRACT: Chiral enolates generated catalytically from ketenes and nucleophiles have proven to be versatile intermediates for asymmetric catalysis. Their utility and flexibility are demonstrated in the practical synthesis of chiral beta-lactams and alpha-halo esters. Asymmetric catalysis using these catalytic, formally zwitterionic enolates on sequentially linked columns is also introduced

DINNER: The meeting will be preceded by cocktails (cash bar) at 5:30 pm followed by a dinner at 6:00 pm at Penne Restaurant & Bar, 3601 Walnut Street. Reservations should be made by calling Gregory Ott at (609) 252-3189 or by e-mail at gregory.ott@bms.com **before 5:00 pm, Monday, October 27th, 2003.** **Please pay the \$40.00 for dinner when you attend.** Thank you.