



## PHILADELPHIA ORGANIC CHEMISTS' CLUB

- DATE:** Thursday, October 27<sup>th</sup>, 2005; 6:00 pm dinner, 8:00 pm seminar
- PLACE:** Carolyn Hoff Lynch Room, located on the 1st floor (around the corner from the business office), New Chemistry Building, University of Pennsylvania, 34th and Spruce Streets, Philadelphia, PA
- SPEAKER:** **Dr. Todd Nelson, Associate Director Process Chemistry, Merck Co**
- BIOGRAPHY:** Todd Nelson received his Ph.D. degree in 1992 from The Johns Hopkins University, Baltimore, MD under the direction of Professor G.H. Posner, followed by two years of postdoctoral work in the group of Professor A. Meyers, Colorado State University. Todd joined the Medicinal Chemistry Department of P&G Pharmaceuticals in 1990. He moved to Merck, Rahway in 1995 as a Sr. Research Chemist and was promoted to Research Fellow in 1998. He is currently Associate Director of Process Research at Merck, Wayne PA.
- TITLE:** **Synthesis of a Chiral Trisubstituted Tetrahydropyran NK1 Receptor Antagonist**
- DINNER:** The meeting will be preceded by cocktails (cash bar) at 5:30 pm followed by a dinner at 6:00 pm at La Terrasse 3432 Sansom St. Phila, 19104. Reservations should be made by email: [emichelotti@locuspharma.com](mailto:emichelotti@locuspharma.com) or phone: (215)-358-2026 to Enrique Michelotti **before 5:00 pm, Monday October 23<sup>rd</sup>. Please pay the \$45.00 for dinner when you attend.**  
Thank you.

# Synthesis of a Chiral Trisubstituted Tetrahydropyran NK1 Receptor Antagonist

Todd D. Nelson

Routes and strategies to target molecule **1** will be presented. The talk will highlight two asymmetric approaches to the core chiral disubstituted lactone **2**. The third contiguous stereocenter is established by a stereocontrolled acetalization.

