Columbia University Department of Chemistry
Colloquia, Fall 2006

September 7, 2006
“Diversity and Design: New Small Molecule Probes for Biology and Medicine”
Derek Tan
Memorial Sloan-Kettering
Sponsor: Virginia Cornish

September 21, 2006
“Spectroscopy and Dynamics of Free Radicals: Unexpected Nonstatistical Dissociations and Quasiperiodic Trajectories”
Peter Chen
ETH Hönggerberg
Sponsor: Louis Brus

September 28, 2006
“Molecules Under Stress: Mechanisms and Mechanics From Single Molecules to Bulk Materials”
Steve Craig
Duke University
Sponsor: Colin Nuckolls

October 6, 2006
(Wyeth Workshop)
“Activity-based Proteomics”
Ben Cravatt
The Scripps Research Institute
Sponsor: Koji Nakanishi

October 12, 2006
“High-resolution single-molecule spectroscopy and 3D single-nanoparticle tracking”
Haw Yang
University of California, Berkeley
Sponsor: Ruben Gonzalez

October 19, 2006
“Metal Catalyzed One Step Synthesis: Developing New Routes to Heterocycle and Amino Acid Formation”
Bruce Arndtsen
McGill University
Sponsor: Jack Norton

October 30, 2006
(Boehringer Ingelheim Lecture in Organic Synthesis)
“Catalysis for Total Synthesis”
Alois Fürstner
Max-Planck-Institut
Sponsor: James Leighton

November 2, 2006
“From Targets to Strategies and Back Again: Some Examples from Complex Molecule Synthesis”
Andrew Phillips
Colorado University
Sponsor: Tristan Lambert

November 9, 2006
“There and Back Again: Homogeneous Catalytic Approaches for Converting Methane to Methanol, and Methanol to a More Interesting Hydrocarbon”
Jay Labinger
Caltech
Sponsor: Jack Norton

November 16, 2006
“Spatial organization and the mechanics of cellular signal transduction”
Jay Groves
University of California, Berkeley
Sponsor: Laura Kaufman

November 30, 2006
“Catalysis with Iron”
Paul Chirik
Cornell University
Sponsor: Gerard Parkin

December 7, 2006
(The Bristol-Myers Squibb Mini-Symposium in Organic Synthesis)
Robert Discordia
Bristol-Myers Squibb
Sponsor: James Leighton
““The Allure of the Guanidinium Toxins as Targets for Chemical Synthesis”
Justin DuBois
Stanford University
Sponsor: James Leighton

December 14, 2006
“Seminar title TBA”
Richard Friesner
Columbia University

All lectures take place in 209 Havemeyer at 4:30 p.m. Refreshments will be served before the lecture.