

The Merck Index Women in Chemistry Award Symposium & Poster Session

August 20, 2007

234th American Chemical Society National Meeting and Exposition

Sponsored by the Women Chemists Committee

Cosponsored by CHED, PROF, and CMA

AWARD SYMPOSIUM

Introductory Remarks: **Madeleine Jacobs**, ACS Executive Director and CEO

"Rhodium-catalyzed intramolecular [4 + 2] cycloadditions of alkynyl halides"

Woo-Jin Yoo, **Anna Allen**, Karine Villeneuve, William Tam

"Tuning the potential of Wurster's crowns: Toward the development of an electrochemical toolbox for redox sensing/switching"

Sheel C. Dodani, John W. Sibert

"Tetrahydropyran rings from a Mukaiyama-Michael cascade or rearrangement of dihydropyrans"

Autumn Maruniak, Megan L. Bolla, Scott D. Rychnovsky

"One-pot asymmetric synthesis of either diastereomer of tert-butanesulfinyl-protected amines from ketones"

Jessica Tanuwidjaja, Hillary M. Peltier, Jonathan A. Ellman

"Optimization of the selective reduction of α,β -epoxycarbonyls with silyllithium reagents"

Sarah E. Wengryniuk, Aaron M. Hartel

Keynote Address: **Emma Parmee**, Ph.D., Director, Medicinal Chemistry, Merck & Co., Inc.

"From organic chemist to drug discovery scientist: A career in diabetes research"

POSTER SESSION

"Synthesis of bistable azodianiline analogs for applications in light-gated ion channels"

Hanna M. Wisniewska, Matthew R. Banghart, Jessica H Harvey, Katharine Borges, Ehud Y Isacoff, Richard H. Kramer, Dirk Trauner

"Gold nanoclusters decorated with bent-core liquid crystals"

Vanessa Marx, Torsten Hegmann

"Investigation of novel methods for stereoselective synthesis involving radical translocation"

Rebecca R. Parkhurst, Ian Rosenstein

"Pentacovalent phosphorus in organic synthesis: A new route to substituted phosphonates"

Danielle Marie Stacy, Cynthia K. McClure

"Evaluating synthetic fragments of α -synuclein for influence on α -synuclein aggregation behavior"

Cynthia Crosswhite, Kate Walsham, Margaret Blattner, Julia H Miwa

"Library generation utilizing ROMP technology and resin bound supports"

Jennifer Guerra, Dinesh K. Rayabarapu, Paul R Hanson