



Update: 5.10.2010

Joint Technical Society Dinner Meeting

Biocatalysis: Providing Enabling Technologies for Next Generation Materials and Processes

Professor Richard A. Gross

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Abstract: Biocatalysis encompasses a wide platform of chemistries that afford opportunities for innovative new products and processes. The hallmarks of biocatalysts are their ability to operate under mild conditions, with impressive selectivity, on a diverse range of natural and non-natural substrates. Immobilized enzymes can function over a broad range of conditions that are adaptable to current manufacturing equipment and processes. Rapid advances in biotechnology continue to decrease the time and resources required to engineer organisms to produce desired products by fermentation in high titers as well as to engineer enzymes with increased thermal stability, efficiency and specificity. This presentation will provide examples from the Gross Research Group and work by many others that highlight the successes and opportunities of using biocatalysis to develop next-generation processes and materials.

Date: Wednesday, June 9, 2010

Time: Social 6:30 p.m. • Dinner 7:00 p.m. • Program 8:00 p.m.

Location: NADA Center, Northwood University, 4000 Whiting Drive, Midland, MI 48640.
Phone: (989) 837-4277

Cost: \$25 for SPE and ACS members (or members of other professional societies such as AIChE, ASM, etc.) and guests, \$15 for students. Note: Mid-Michigan SPE will charge individuals who make reservations and do not attend the meeting.

Reservations: Reservations can be made via phone, fax, or e-mail to Dawn Wright at MMI.
Reservations must be received no later than Wednesday, June 2, 2010.
Phone: (989) 832-5555, ext. 571, Fax: (989) 832-5560, E-mail: wright@mmi.org

2010 Turner Alfrey Visiting Professor Course 1037

Harnessing Biocatalysts to Overcome Current Challenges in Polymer Chemistry and Material Science

Location: Lecture Hall, Michigan Molecular Institute, 1910 West St. Andrews Road, Midland, MI 48640

Time: Formal lectures: Monday-Friday, June 7-11, 2010, 3:00-6:00 PM

Fee: There is no fee for auditors if they belong to Mid-Michigan Section of the SPE.

All participants, however, must pre-register.

Registration: Pre-registration is required no less than one week in advance with the Registrar by visiting www.mmi.org, e-mailing registrar@mmi.org, or by calling (989) 832-5555, ext. 571.

More Information Available on the MMSPE Web Site at <http://www.midmichiganspe.org/tavp.html>