

## ***Chemistry In Emerging Technologies Lectures***

**Peckham Hall, Rm. 12 - Nazareth College, 4245 East Ave., Pittsford, NY**  
**Monday, June 23, 2014**

### ***Adarza BioSystems: How Careful Chemistry (and other things) Made a New Simple, Sensitive, and Multiplex Protein Detection Technology Possible***

**Prof. Benjamin L. Miller (URMC)**

**SAB Chair, Adarza BioSystems ([www.adarzabio.com](http://www.adarzabio.com))**

#### **7:00 pm: Lecture**

**Adarza BioSystems, Inc** is an early stage company developing a rapid and label-free immunoassay platform capable of highly multiplexed protein detection, offering significant differentiating analytical and workflow performance advantages over gold standard ELISA and bead-based multiplex assays at an industry leading low cost. Adarza's breakthrough **Arrayed Imaging Reflectometry™ (AIR)** technology enables this differentiating performance in sensitivity, dynamic range and multiplex size, and concurrently offers greater operational simplicity with faster overall workflow, minimal sample volume requirements and the label-free benefit of no detection agent complexities. Adarza's AIR platform promises to be the next-generation gold standard in the \$14 billion research, drug development and clinical diagnostic immunoassay market segments including personalized medicine and point-of-care solutions.

**Prof. Benjamin Miller** received a BS degree in Chemistry and AB degrees in German and Mathematics from Miami Univ. (OH), a Ph.D. in Organic Chemistry from Stanford Univ., and was a National Institutes of Health Postdoctoral Fellow in the Department of Chemistry at Harvard. He began his academic career in 1996 at the University of Rochester in the Chemistry Department and subsequently moved to the URMC where he is currently Professor of Dermatology, Biochemistry and Biophysics, and Biomedical Engineering. Ben is the (co)author of over 30 patents and 116 publications in biosensing, combinatorial chemistry, and organic synthesis. He is the recipient of a Camille Dreyfus Teacher-Scholar Award, a Research Corporation Research Innovation Award, and a Rochester Business Journal Health Care Achievement Award.

#### **8:15 – 9:30 p.m.: Reception – Peckham Hall Lobby**

**Further information on these lectures and other Rochester ACS Section events**  
is available at [www.Rochester.sites.ACS.org](http://www.Rochester.sites.ACS.org)