The Microfluidics in Biomedical Sciences Training Program
Presents
The 2013 Annual Symposium
With

Keynote Speaker

Dr. Paul Yager, Professor and W. Hunter & Dorothy L. Simpson Endowed Chair, Department of Bioengineering, University of Washington

“Sophisticated point-of-care diagnostic devices based on 2D paper networks”

Paul Yager, a native of Manhattan, received his A.B. in Biochemistry from Princeton in 1975, and a Ph.D. in Chemistry from the University of Oregon in 1980. He specialized in vibrational spectroscopy of biomolecules, particularly phospholipids. He was an NRC Fellow at the Naval Research Laboratory in DC from 1980 to 1982, joining the NRL staff in 1982. There he focused on self-assembly of lipid microstructures and development of biosensors. He joined the Department of Bioengineering at the University of Washington in 1987 as Associate Professor. He was promoted to Professor in 1995, becoming Vice Chair in 2001, Acting Chair in 2007 and Chair in 2008. He currently holds Adjunct faculty position in Chemistry, Chemical Engineering, Oral Biology and Global Health. Since 1992, research in the Yager lab has focused on development of microfluidic devices for monitoring of medically significant analytes in biofluids under support from NSF, NIH, DARPA, The Whitaker Foundation, the government of Singapore, and private companies. Support from Senmed Medical Ventures and DARPA resulted in the creation, in 1996, of Micronics, Inc., a Redmond, WA-based company dedicated to microfluidic solutions for the life sciences and medicine. The primary goal of current work in his laboratory is decentralization of biomedical diagnostic testing in the developed and developing worlds, and increasing access to healthcare. In 2005 Yager was awarded a grant from the Bill & Melinda Gates Foundation under their Grand Challenges in Global Health initiative; the DxBox project developed a low-cost rugged point-of-care platform based on microfluidics for diagnosing diseases in the developing world. Since 2008, the lab has had a growing focus on development of instrument-free medical diagnostics based on low-cost 2-dimensional paper networks.

Monday, May 20, 2013
4:00 – 9:00 p.m.
Hussey & Vandenberg Rooms, Michigan League
For Dinner Registration, please go to: https://www.chem.lsa.umich.edu/chem/mbstp/registration.php