

Exposition

Room 103. Wed: noon–5 PM; Thurs: 9 AM–1 PM and 2–5 PM; Friday: 9 AM–noon

Delong America, Inc.

Delong America's LVEM5 electron microscope is built on a revolutionary technology platform that allows for rapid multi-modal imaging and benchtop convenience. The LVEM5 can image in up to 4 modes (TEM, STEM, SEM, and electron diffraction). It is remarkably easy for anyone to learn and operate. Rapid sample exchange significantly increases throughput, making the LVEM5 an effective screening tool to reduce the load on overworked instruments. An added bonus of the LVEM5 is the ability to image soft materials, such as biological samples and polymers, without the use of heavy metal stains. Whether you observe polymers or nanoparticles, cellular complexes or nanoparticles, increasing contrast means improving results. Get to see what your samples really look like at the nano scale, easily and quickly, from your benchtop.

MeasureNet Technology

MeasureNet brings Laboratory Information Management System (LIMS) functionality to the university teaching laboratory. MeasureNet's network design provides high-quality data acquisition without the cost and maintenance of bench-cluttering, stand-alone PCs, while enabling live data monitoring and remote storage for collaborative exercises between multiple labs and multiple institutions. Each network supports up to 15 work stations for experiments that include temperature, pressure, pH, voltage, and mass measurements. A shared UV-vis spectrometer delivers 1-nm resolution spectroscopy to student workstations. Additional acquisition tools include a dual-beam colorimeter, ion-selective electrodes, and electrochemistry probeware. MeasureNet users can integrate GCs, HPLCs, and calorimeters for advanced laboratory applications.

Oxford Instruments America, Inc.

Oxford Instruments is the world's leading supplier of analytical instruments for electron microscopy. We offer the widest range of detectors for EDS, WDS and EBSD applications all of which can be seamlessly integrated. This includes the new range XMax silicon drift detectors which offer the largest area detectors available with no compromise of data quality. Our systems have been designed and built using over 35 years of microanalysis experience together with valuable input from the people who use this equipment for real applications -our customers.

Biolin Scientific

Biolin Scientific provides analytical instrumentation for the nanoscale analysis of surfaces, materials and interfaces for research, development, quality control and diagnostics. Within Biolin Scientific are the following brands, applications, technologies and instrumentation. Q-Sense provides analytical instrumentation based on the patented QCM-D technology for rapid characterization of interfaces and studies of molecular interactions. KSV provides instrumentation for research on nanoscale films and molecular interactions including SPR, LB, ISR and PMI. Nima provides analytical and deposition LB instruments for the fabrication of monolayers. Attension provides tensiometry instrumentation for measuring contact angle and surface tension to support interfacial science and materials development. Far-field provides analytical instrument systems based on its patented technology, Dual Polarization Interferometry (DPI) to detect and monitor molecular changes occurring on a surface. For more information, please visit www.biolinscientific.com.

Pine Research Instrumentation

If you need to introduce your students to modern electroanalytical chemistry in an easy and inexpensive way, then Pine's WaveNow potentiostat and Instructional Three- Electrode Cell are exactly what you need! This potentiostat is a lightweight instrument with a USB interface. The instructional cell contains disposable, screen-printed electrodes. www.pineinst.com/echem .

Exposition

(continued)

Michigan Technological University

The Tech MBA Online, from Michigan Technological University, gives you the same quality education of an on-campus program with the convenience and flexibility of distance learning. Our MBA, which focuses on Innovation and Technology Management, is accredited with AACSB, <http://www.mtu.edu/business/administration/dean/accreditation/>, which places us in the top 15% of business schools in the world. You can have your MBA in just two short years. Our curriculum includes a nine day residency in India, as part of your global education, as well as two short campus residencies. We also incorporate networking and professional development into this premium package. Our professors teach on campus and online as part of their regular teaching load. Our MBA is ranked 58th worldwide by Beyond Grey Pinstripes, an organization that evaluates how universities are preparing MBA students for social, environmental, and ethical stewardship. Find out more about our program by attending an informational webinar. You can register at <http://www.mtu.edu/business/mba-online/webinars>.

TCI America

TCI is a leading global manufacturer and supplier of specialty chemicals to the pharmaceutical, electronic, cosmetic, chemical, environmental and biotech industries. Drawing on over 80 years of synthetic organic chemistry experience, TCI is dedicated to developing new technology that produces rare and novel compounds. Our current catalog lists a comprehensive line of over 21,000 organic and biochemical products for use in research and production. Our manufacturing capabilities include multi step synthesis and continuous production from milligram to ton scale for custom and contract research services. Our modern facilities provide cGMP manufacturing with FDA validation. Please visit our website, <http://www.tciamerica.com>, today.

Air Force Research Laboratory, Materials & Manufacturing Directorate

The Materials & Manufacturing Directorate, headquartered at Wright-Patterson, with an additional research facility at Tyndall AFB, FL, develops materials, processes and advanced manufacturing technologies for aircraft, spacecraft, missiles, rockets and ground-based systems and their structural, electronic and optical components. Their research includes revolutionary nano-scale and biotechnologies, as well as nonstructural materials such as coatings, fluids and greases. Air Force product centers, logistics centers and operating commands rely on the directorate's expertise in metallic and nonmetallic structural materials, nondestructive inspection, materials used in aerospace propulsion systems, sensor materials, laser-hardened materials, systems support and advanced manufacturing methods to solve system, expeditionary deployment, and operational challenges.

Vernier Software & Technology

Stop by the Vernier Software & Technology booth to see some of our exciting new products for college chemistry. See our powerful new computer interface, LabQuest Mini. You can also try out our new, improved SpectroVis Plus array diode VIS-NIR spectrophotometer, with its improved resolution, wider range (380-950 nm), and new fluorometry support. You can also collect data on our popular new Vernier Mini GC. The Mini GC is smaller than a shoebox and can use room air as a carrier gas. You can collect, graph, and analyze the data on either a computer or our stand-alone LabQuest lab interface.

JULABO USA, Inc.

JULABO has been recognized as a market leader and technological innovator in producing temperature control instruments. JULABO manufactures temperature regulating equipment ranging from -91 to +335°C. Our customers span the pharmaceutical, petroleum, and semi-conductor industries to food preparation, academic laboratories and many others. Over the last 43 years JULABO has continually introduced new technology in their products allowing for higher levels of performance without complicated operation. All JULABO products are manufactured under strict quality standards and carry a 2-year warranty. North American customers are supported from JULABO USA facilities in Allentown, PA and Vista, CA. To request additional information call 800-458-5226 or visit www.julabo.com.

Literature Tables

The Department of Chemistry at Illinois State University (www.chem.ilstu.edu) is one of the largest thesis-based terminal M.S. programs in the country, offering cutting-edge research and premier facilities, a strong mentoring environment, and graduate teaching/research assistantships to qualified students.

The graduate program in **Molecular Biophysics and Structural Biology (MBSB) at the University of Pittsburgh and Carnegie Mellon University** is an interdisciplinary program at the interfaces of Biology, Chemistry, Physics and other traditional disciplines. Molecular Biophysics aims to unravel and explain biological phenomena and processes in atomic and molecular detail.

Thermo Fisher Scientific, "The World Leader in Science".

David Catalano: 614-563-1666 (cell); david.catalano@thermo.com (e-mail)

Customer Service: (866) 984-3766 (866-9-THERMO). Service: (800) 438-4851

With the theme, **Cultivating Chemistry at the Crossroads of America, CeRMACS-2011** will be hosted by the Indiana Local Section and take place June 8-10 at the University Place Conference Center and Hotel, Indianapolis, Indiana. Come celebrate the International Year of Chemistry (IYC) in Indianapolis! A comprehensive technical program is planned, including Plenary Sessions celebrating the IYC, a poster session, technical and career development workshops, and special events for high school teachers and undergraduate students.

The University of Dayton is a Catholic Marianist university on the south edge of downtown Dayton, Ohio, with a student body of approximately 8,000 undergraduate and 2,000 graduate students. The **UD Chemistry Department** has 11 faculty and approximately 80 undergraduate majors and 8 M.S. students. The department grants approximately 15 B.S. and B.A. and 4 M.S. degrees per year.

The Department of Chemistry and Chemical Biology, on the campus of **Indiana University Purdue University, Indianapolis (IUPUI)**, offers programs culminating in Ph.D. & M.S. graduate degrees, an American Chemical Society-certified B.S. degree in Chemistry (with both chemistry and biochemistry options), pre-professional B.A. degrees, and an A.S. degree. Our goals are to carry out cutting edge research and to provide a stimulating and productive environment for the education of future scientists.

Left Coast Instruments offers a wide range of advanced instrumentation focused in two areas: (i) research microscopy, and (ii) failure analysis. Techniques we offer include: Ultra-Fast Confocal Raman Microscopy; Scanning Acoustic Microscopy (SAM); Photon Emission Microscopy (PEM), 3-D x-ray micro-tomography; real-time x-ray imaging; and a wide range of sample preparation equipment.

Members of the **ACS Division of Chemical Education** come from the entire educational spectrum (pre-secondary, secondary, two- and four-year colleges, universities, research institutions), and include those from industry who are concerned about the education and professional training of future chemists and other molecular scientists. DivCHED provides a common ground for teachers and students of chemistry to examine chemical education in its broadest sense through its committee and governance structure, website, *Newsletter*, programs at national and regional ACS meetings, the ACS Exams Institute, the Biennial Conference on Chemical Education (BCCE), and the premier journal in its field, the *Journal of Chemical Education*.

CambridgeSoft is a leading provider of software and services for discovery, analysis and collaboration to life sciences and chemical industries, academia and government. Products include Cloud, Enterprise, Workgroup and Desktop versions of Chem & Bio Office, including Chem & Bio Draw and E-Notebook, providing knowledge management, chemical and biological informatics, and scientific database solutions.

The Dayton International Peace Museum is a place where Daytonians and people across the Miami Valley can find the arsenal of peace. Though many peace centers, institutes, and similar organizations exist around world, Dayton's burgeoning peace community can contribute exponentially to the worldwide peace-building movement. The Museum is not meant to compete with or supercede other groups and organizations. Its success will be based on how it encourages, supports, and supplements the already diverse and unwieldy spirit of peace that is underrated and unheard by many in our community