

# EXHIBITORS

The following list of exhibitors is the property of the American Chemical Society. Any unauthorized use of this list, or any part thereof, either directly or indirectly, is strictly prohibited.

Visit the Virtual ACS National Exposition at [www.acs.org/boston2010](http://www.acs.org/boston2010) to download exhibitor product information.

**A&D Weighing**, 1756 Automation Parkway, San Jose, CA 95131, 408-518-5126, fax: 408-635-2326, e-mail: [jvaldez@andweighing.com](mailto:jvaldez@andweighing.com) A&D, an ISO 9001 certified company, designs and manufactures a complete line of viscometers, electronic balances, scales, weighing indicators and controllers for pharmacy, laboratory, food service and industrial applications, as well as advanced electronic blood pressure monitoring equipment for both home health care and professional markets. **1137**

**AAAS/Science & Technology Policy Fellowship**, 1200 New York Ave., NW, Washington, DC 20005, 202-326-7016, fax: 202-289-4950, Internet: [fellowships.aaas.org](http://fellowships.aaas.org) AAAS Science & Technology Policy Fellowships Apply your science to serve society. Become a AAAS Science & Technology Policy Fellow. Since 1973, over 2,000 scientists and engineers have contributed their analytical skills to policymaking in Washington, DC, while learning about the role of science in the federal government system. Career-enhancing opportunities are available in approximately 30 Congressional offices and 15 federal agencies for professionals of all career stages. Applicants must be US citizens and hold a terminal degree (PhD, MD, DVM, etc.) in any scientific discipline or a master's degree in engineering (+3 years of post-degree experience). Visit [fellowships.aaas.org](http://fellowships.aaas.org) for more details. **951**

**AAPPTec**, 6309 Shepherdsville Road, Louisville, KY 40228, 502-968-2223, fax: 502-968-3338, e-mail: [info@aapptec.com](mailto:info@aapptec.com), Internet: [www.aapptec.com](http://www.aapptec.com) AAPPTec provides the peptide chemist with everything needed for a well-equipped laboratory. Our fully automated peptide synthesizers are the most flexible and reliable instruments available in the industry. Automatic cleavage, combined with the capability of doing Boc-, Fmoc- and customized chemistry protocols, makes it convenient for both the novice and experienced chemist. Also available are our Spirit HPLC columns, the ACTEvap lyophilizer and evaporator and the Sharp Freeze freeze dryer. AAPPTec also provides quality reagents, amino acids, resins, pseudoproline dipeptides, isoacyl dipeptides, products for stapled peptides and custom peptide synthesis. **1110**

**AAPS (Amer Assoc. of Pharm Sci.)**, 2107 Wilson Blvd., Suite 700, Arlington, VA 22201, 703-243-2800, Internet: [www.aapspharmaceutica.com](http://www.aapspharmaceutica.com). The American Association of Pharmaceutical Scientists provides a dynamic international forum for the exchange of knowledge among scientists to enhance their contributions to health. AAPS is composed of almost 13,000 individuals representing industry, academia, government, and private institutions. Members are engaged in research, teaching, product development, quality control, clinical testing, regulatory affairs, administration, management, and any other activity having a common denominator of pharmaceuticals and medicinal agents. We offer timely scientific programs, ongoing education, opportunities for networking, and professional development. Join AAPS "Your formula for Success",

and gain access to Customized Journal Searches, Your favorite Section, Industry News and Discounts on Meetings, Conferences and more. **349**

**Abby Pharmatech**, 67 Montague Rd., Newark, DE 19713, e-mail: [jchen@abbypharmatech.com](mailto:jchen@abbypharmatech.com). **450**

**AB Chem, Inc.**, 2286 Chemin St-Francois, Dorval, QC H9P 1K2, Canada, 514-685-8688, fax: 514-685-8488, e-mail: [info@abccheminc.com](mailto:info@abccheminc.com) AB Chem, Inc. is a Canadian based privately owned company, located in the Montreal metropolitan area. Our expertise is in custom synthesis and research and development for innovative organic intermediates and advanced building blocks which are mainly used by pharmaceutical, biotech and agrochemical industries. Our primary goal is to accelerate and facilitate the drug discovery process by providing research laboratories with quality products at a low cost. We do business with customers from over 30 different countries and guarantees fast delivery. Beyond the custom synthesis and special building blocks, AB Chem has presented its clients with a product catalog that features over 7000 compounds, such as multi-functional heterocycles, mono protected diamines; novel amines; novel acids, beta-keto esters, aromatic and aliphatic halide, ketones and et al. **345**

**Accel Synthesis**, 3070 McCann Farm Drive, Suite 112, Garnet Valley, PA 19060, United States, 610-558-3482. **235**

**Accelrys**, 10188 Telesis Court, Suite 100, San Diego, CA 92121, 858-799-5000, fax: 858-799-5100, e-mail: [solutions@accelrys.com](mailto:solutions@accelrys.com), Internet: [www.accelrys.com](http://www.accelrys.com) Accelrys is a Scientific Informatics software and services company for life sciences, chemical and materials R&D. We enable our customers to both accelerate their research process to more rapidly discover new therapeutics, materials and compounds; and to introduce new efficiencies into the process that drive lower costs. **942**

**Ace Glass, Inc.**, 1430 N. West Blvd., POBox 688, Vineland, NJ 08360, 800-223-4524, fax: 800-543-6752, e-mail: [sales@aceglass.com](mailto:sales@aceglass.com), Internet: [www.aceglass.com](http://www.aceglass.com) Ace Glass will introduce our new ROBO apparatus, 20L Auto-Reactor, Bench Reactor Stand, Large Scale Rotary Evaporator Glass, ACE Pressure Vessels, J-Kem Instruments and Controllers, Various vacuum traps and manifolds and other glassware. ACE is also introducing our newest Pilot Plant Catalog and Photochemistry products and brochure. Sign up for our 2011 - 75th Anniversary Catalog. **500**

**Acelot, Inc.**, 5385 Hollister Ave., Suite 111, Santa Barbara 93111, United States, 805-617-3610, fax: 805-617-3259, e-mail: [ambuj@acelot.com](mailto:ambuj@acelot.com), Internet: [www.acelot.com](http://www.acelot.com) **1327**

**ACS Benefits, Programs and Services**, 1155 16th St., NW, Washington, DC 20036, 202-872-4600, e-mail: [a\\_shepherd@acs.org](mailto:a_shepherd@acs.org), Internet: [www.acs.org](http://www.acs.org) ACS: Everything You Want to Know Did you know that there is now an online searchable directory of ACS members? Have you joined the ACS Legislative Action Network? Want to know more about the Career and Learning Management resources? Need a schedule of upcoming courses and weekly Webinars? How are you planning to celebrate the 2011 International Year of Chemistry? Have you joined the ACS Network? Staff will be on hand to answer your questions and tell you about the dozens of products, programs, and services ACS offers. There will be giveaways and daily drawings will be held. **755**

**ACS Celebrates 2011 Int'l Year of Chemistry**. 1155 Sixteenth Street NW, Washington, DC 20036 The 63rd General Assembly of the United Nations has proclaimed 2011 as International Year of Chemistry (IYC). As part of IYC 2011 ACS will celebrate the achievements of chemistry and the contributions to the well-being of humankind. We invite Chemistry enthusiasts from

around the world to contribute to ACS planning, implementation, and evaluation of IYC-2011 programming. Stop by our booth for more information on IYC 2011 and how you can get involved. **461**

**ACS Committee on Safety**, 1155 16th St., NW, Washington, DC 20036, 202-833-2105, fax: 202-833-7732, e-mail: [m\\_gmurczyk@acs.org](mailto:m_gmurczyk@acs.org), Internet: [http://portal.acs.org/portal/acs/corg/content?nfpb=true&pageLabel=PP\\_TRANSITIONMAIN&node\\_id=2228&u](http://portal.acs.org/portal/acs/corg/content?nfpb=true&pageLabel=PP_TRANSITIONMAIN&node_id=2228&u) The Committee on Chemical Safety (CCS) and the Division of Chemical Health and Safety (CHAS) are joint sponsors of the exhibit booth. CHAS presents technical sessions on current topics confronting all aspects of chemical safety, related workshops, and recognition programs. CCS has as its primary responsibility the encouragement of safe practices in chemical activities. The committee develops ACS policy papers, serves as a resource to the ACS and the chemical professional in providing advice and counsel on the handling of chemicals, and seeks to ensure safe facilities, designs, and operations by calling attention to potential hazards. **441**

**ACS Division Chemistry and the Law (CHAL)**, 201 Tamal Vista Blvd., Corte Madera, CA 94925, 415-927-5200, fax: 415-927-5210, e-mail: [carl@ltws.com](mailto:carl@ltws.com), Internet: [www.acs-chal.org](http://www.acs-chal.org) **853**

**ACS Education**, 1155 16th Street, NW, Washington, DC 20036, 202-872-6269, fax: 202-833-7732, e-mail: [education@acs.org](mailto:education@acs.org), Internet: [www.acs.org/education](http://www.acs.org/education) The Education Division of the American Chemical Society has products and programs for kindergarten through professional education. Students, teachers, and ACS members can all find information that can help their efforts in increasing science literacy. We also have information on the Directory of Graduate Education (DGR) and the ACS Approval Program for undergraduate programs. Our booth is staffed with knowledgeable ACS staff who can answer questions regarding our wide variety of programs and products. **933**

**ACS Meetings & Expositions**, 1155 Sixteenth Street NW, Washington, DC 20036, 800-227-5558, fax: 202-872-6128, e-mail: [j\\_sophos@acs.org](mailto:j_sophos@acs.org), Internet: [www.acs.org/meetings](http://www.acs.org/meetings) The ACS Meetings booth displays information on current and future regional meetings, for the spring and fall shows in 2010. Register for a regional meeting or get information on submitting an abstract to a meeting in your region. The programming is diverse and exciting! Meet the volunteers who are planning these meetings at the booth. Visit the Regional Meeting website at [www.acs.org/regionalmeetings](http://www.acs.org/regionalmeetings) for a tour of this year's conferences. Information on future national meetings is also on display. **929**

**ACS Member Insurance Program**, 1155 16th Street, N.W., Washington, DC 20036, 800-227-5558, ext. 6037, fax: 202-872-4435, e-mail: [memins@acs.org](mailto:memins@acs.org), Internet: [www.acs.org/insurance](http://www.acs.org/insurance) The ACS Member Insurance Program is committed to offering quality comprehensive insurance plans and financial security programs to members and their families. Member Insurance staff and Plan Administrators will be available to speak with you about Life and Health Insurance, Auto & Homeowners Plus, Disability Income, Long Term Care, Professional Liability and our newest service Medicare Supplement and Discount Medical Cards. To receive more information or to sign up for one of the plans or services stop by the Member Insurance booth. **925**

**ACS Office of Public Affairs**, 1155 16th St. NW, Washington, DC 20036, 202-872-4479, Internet: [www.acs.org/policy](http://www.acs.org/policy) Working with American Chemical Society members, the ACS Office of Public Affairs advances the chemical enterprise and its practitioners. Strong member participation ensures that chemists are heard in the development of laws, regulations, and key programs. The public affairs booth gives ACS members the opportunity to learn about the

Act4chemistry Network, Chemistry Ambassadors, and the Local Section Government Affairs and Public Relations Committees, and more. **528**

**ACS Organic Chemistry Division**, Department of Chemistry, University of Kentucky, Chemistry-Physics Building, Lexington, KY 40506-0055, 859-257-1285, fax: 859-323-1069, e-mail: robert.grossman@uky.edu. **851**

**ACS Publications**, 1155 16th Street, N.W., Washington, DC 20036, 202-872-6862, fax: 202-872-6005, e-mail: s\_jackson@acs.org, Internet: pubs.acs.org Join us in booth #527 and learn new ways to optimize your research on the ACS Web Editions Platform and on the go with ACS Mobile. Register to win an iPad, receive a special gift for telling us why you publish in/read ACS Publications, and see what's new from the most-cited publisher in chemistry. Help C&EN celebrate the launch of 6 new Blogs covering a wide range of important areas of science, update your member profile, get a signed copy of the new George Whitesides & Felice Frankel book, and learn more about upcoming C&EN Webinars. **527**

**ACS Web Strategy & Operations**, 1155 16th Street, NW, Washington, DC 20036, 202-872-4548, e-mail: m\_parker@acs.org, Internet: www.acs.org The ACS website is all about YOU! Significant enhancements to www.acs.org and the ACS Network are currently underway. By the end of May www.acs.org will have a new look, with new functionality you requested. By the end of June, the ACS Network will have more personal and collaborative features, with more social media tools you asked for. And by the time we get to Boston, we'll be ready to walk you through the changes and get your feedback. Stop by the Web Strategy & Operations Booth 530 to tell us how we can help you get more out of your ACS web experience. **530**

**Active Spectrum Inc.**, 659 Oak Grove Ave., #203, Menlo Park, CA 94025, 650-610-0720, fax: 650-618-2543, Internet: www.activespectrum.com Active Spectrum produces the world's smallest electron spin resonance (ESR/EPR) spectrometer, called Micro-ESR. Applications of Micro-ESR include analysis of antioxidants, lubricants, crude oil, catalysts, biodiesel stability, shelf life of vegetable oil, beer and wine, spin trapping and countless other uses involving measurement of free radicals. **442**

**Adam Equipment, Inc.**, 26 Commerce Dr., Danbury, CT 06810, 203-790-4774, fax: 203-792-3406, e-mail: info@adamequipment.com, Internet: www.adamequipment.com Stop by the Adam booth to see the wide selection of balances and scales. From research analytical balances to portable compacts for the field, Adam offers a complete range of precision balances and scales designed with intuitive operation making everyday lab work easy and complex applications simple. For moisture analysis scientists trust Adam's PMB Moisture Analyzer for fast and accurate results. With affordable products that give you the accuracy and reliability that you need, balanced with features that you want – Choose Adam for The Perfect Balance. Visit Adam Equipment at booth #311 or online at: www.adamequipment.com. **311**

**Adesis, Inc.**, 27 McCullough Drive, New Castle, DE 19720, 302-323-6318, fax: 302-323-4879, Internet: www.adesisinc.com Adesis Inc., a Delaware-based company, offers a range of chemistry services for early-stage to the leading life sciences companies. We provide support for early proof-of-concept projects, medicinal chemistry, lead optimization, custom syntheses and process development. We also specialize in the chemistry of orthogonally functionalized azaheterocycles (pyridines, azaindoles, piperidines and pyrrolidines). We aim to create value for our clients. For additional information, please visit www.adesisinc.com. **548**

**Advanced Chemistry Development Inc.**, 110 Yonge Street, 14th Floor, Toronto, ON, Canada M5C 1T4, 416-368-3435, fax: 416-368-5596, e-mail: info@acdclabs.com, Internet: www.acdclabs.com Advanced Chemistry Development, Inc., (ACD/Labs) develops desktop and enterprise software solutions for chemical, biochemical, and pharmaceutical R&D. Using our deep understanding of chemical disciplines, advanced mathematical algorithms, and computer science, our solutions help guide on-going research, aid decision-making, and speed the development of new chemical entities for the marketplace. Our goal is to provide comprehensive and innovative industry-standard software solutions to accelerate research and strengthen competitive position. Our expertise lies in vendor-neutral spectroscopic data processing and prediction, physicochemical and ADMET property prediction, analytical knowledge-management, interactive reporting, and integrating analytical data with chemical structures to protect and leverage valuable research knowledge. **641**

**Advanced Instruments, Inc.**, Two Technology Way, Norwood, MA 02062, 781-320-9000, ext. 2101, fax: 781-320-8181, e-mail: phyllisw@aicompanies.com, Internet: www.aicompanies.com. **1217**

**Advanced Polymer Materials Inc.**, 2264 Chemin St. Francois, Dorval, QC, Canada H9P 1K2, 514-683-8488, fax: 514-683-2070, e-mail: gary.yu@apmpolymers.com, Internet: www.apmpolymers.com Advanced Polymer Materials Inc. is a Montreal based manufacturing company with R&D capability. We produce innovative and unique products including biodegradable and biocompatible polymer materials to fill the need for scientific advancement in engineering and pharmaceutical related areas. We provide custom synthesized polymers upon demand and according to our customers' specifications. We also do contract research. Our products include functional polymers and block copolymers, eg. functionalized PEGs and functionalized PEG related block copolymers. We produce different kinds of amphiphilic block copolymers, etc. **443**

**Agilent Technologies EMG**, 4330 W. Chandler Blvd., Chandler, AZ 85226, 480-756-5900, fax: 480-756-5950, Internet: www.agilent.com/find/afm Agilent Technologies offers a wide range of high precision instruments that let you image, manipulate and characterize a variety of nanoscale behaviors – electrical, chemical, biological, molecular and atomic. The exhibit will present Agilent's Atomic Force Microscopes with industry-leading environmental/temperature options and fluid handling enabling superior control for materials and polymer applications and will feature the 5600 large stage AFM with exclusive scanning microwave microscopy mode. Agilent also offers leading-edge nanoindentation & tensile testing systems for nanoscale mechanical testing of thin films, hard coatings, DLC films; composite materials, fibers, polymers and biomaterials. Visit our booth #1401 for a demonstration. **1401**

**Agilent Technologies LSCA**, 2850 Centerville Road, Wilmington, DE 19808, 800-227-9770, fax: 302-633-8944, e-mail: contact.us@agilent.com, Internet: www.agilent.com/chem Agilent manufactures and distributes a complete line of instrumentation serving the clinical, analytical, biotech, environmental, pharmaceutical, forensic science, food and flavor, academia, and all other laboratory markets that have needs for the best in quality, performance, and serviceability in the instruments they purchase. **1400**

**AIP (Journal of Chem. Physics)**, 2 Huntington Quadrangle, Suite 1 NO1, Melville, NY 11747, 516-576-2485, fax: 516-576-2374, e-mail: plurie@aip.org, Internet: jcp.aip.org The Journal of Chemical Physics (JCP) is the leading source for research at the interface of physics and chemistry. JCP publishes innovative results in leading-edge, as well as traditional areas of chemical physics, and continues to expand its scope to include groundbreaking, fundamental research

in areas such as biological systems, polymers, materials, surfaces/interfaces, information theory and more. The journal offers Communications-free to all—with reports of unusual importance that merit rapid publication. JCP also includes a Letters to the Editor section, containing brief Notes and insightful Comments on prior issues. Visit our newly re-designed website at jcp.aip.org. **1219**

**AirClean Systems**, 3248 Lake Woodard Dr., Raleigh, NC 27604, 919-255-3220, fax: 919-255-6120, e-mail: info@aircleansystems.com, Internet: www.aircleansystems.com Manufactures a complete range of ductless fume hoods and laminar flow hoods designed to protect the operator, the process, or both from toxic vapors, fumes, gases, and particulate. In addition to standard hoods, AirClean Systems manufactures numerous application-oriented products such as PowderSafe balance enclosures, PCR workstations, and microscope enclosures. **1104**

**Akzo Nobel/Kromasil**, 281 Fields Lane, Brewster, NY 10509, 845-276-8223, fax: 845-277-1406, e-mail: pat.preuss@eka.com, Internet: www.kromasil.com ACS 2010 Kromasil® is a spherical silica media for HPLC, SFC, and SMB applications. Kromasil Eternity™ is a pH stable phase (pH 1-12) designed for long lifetime in RP applications. Kromasil chiral phases include CeluCoat™, AmyCoat™, TBB and DMB. Other products include Kromasil 100Å as Silica, C4, C8, C18, Phenyl and Amino; Kromasil 60Å as Silica, Diol and Cyano; Kromasil 300Å as Silica, C4, C8, and C18. For more information about Kromasil products please visit www.kromasil.com. **334**

**Aldrich/Sigma-Aldrich**, 3050 Spruce St., St. Louis, MO 63103, 314-286-7727, fax: 314-286-7817, Internet: www.sigmaaldrich.com/chemistry Aldrich® Chemistry is the market leader in organic & inorganic chemicals, providing an innovative and comprehensive range of building blocks, reagents, advanced materials and stable isotopes for chemical synthesis, medicinal chemistry and materials science. Look to us for high-quality stockroom solvents and your basic research product needs. We offer Chemistry Services designed to expedite your research from conception to experiment execution including DiscoveryCPR custom weighing, chemical sourcing, and compound management. **643**

**Alfa Aesar-A Johnson Matthey Co.**, 26 Parkridge Rd, Ward Hill, MA 01835, 800-343-0660, fax: 800-322-4757, e-mail: info@alfa.com, Internet: www.alfa.com Alfa Aesar, a Johnson Matthey Company, is a leading international manufacturer and supplier of research chemicals, metals and materials. The main catalog features over 30,000 products, ranging from boronic acids, silanes and silanols, chiral diamines, and fluorochemicals to nanomaterials, base metal fuel cell catalysts, fuel cell components, pure metals, alloys, analytical standards, precious metal catalysts, catalyst/ligand kits and more. Alfa Aesar is the single source for your research chemical and material needs, from small pack sizes to semi-bulk and bulk quantities. Stop by booth #401 for your free copy of the Alfa Aesar Catalog. **401**

**American Chemistry Council**, 1300 Wilson Blvd., Arlington, VA 22209, 703-741-5000, fax: 703-741-6169, Internet: www.americanchemistry.com The American Chemistry Council (ACC) is the leading voice advancing the chemical industry's advocacy agenda at the global, national and state levels. ACC's advocacy creates sound government policy that allows our members to remain competitive and generates recognition for the essential nature of American chemistry. ACC is the only U.S. association representing the business of chemistry at all levels of government, including globally. Among the critical issues we are tackling: Health and Chemical Regulation Retail Energy and Climate Change Security Rail Process Safety Environment Tax and Legal Reform Product Advocacy

Self-Funded Programs: Plastics Division Chemical Products & Technology Chlorine Chemistry Division. **656**

**American Laboratory (Intl Sci Com)**, 30 Controls Drive, Shelton, CT 06484, 203-926-9300, fax: 203-926-9310, e-mail: iscpubs@iscpubs.com, Internet: www.iscpubs.com Our publications are edited for North American chemists and life scientists who have a professional interest in the application of modern instrumentation to analytical chemistry, bio-analysis and applied spectroscopy. The editorial includes application notes, technical articles, conference reviews and information on the most current laboratory instrumentation. Please visit our home page <http://www.iscpubs.com>. **914**

**American Labware Inc.**, 15735 De La Caseme, Ste-Genevieve QC, Canada H9H1G3, 1-877-362-5760, fax: 1-877-362-5761, e-mail: info@americanlabware.com, Internet: www.americanlabware.com American Labware Inc. provides high quality laboratory glassware and equipment for the scientific community. We also sell some related products to compliment the standard glassware in our catalog for the convenience of our customers. American labware Inc. has capability to custom fabricate glassware based on the glassware in our catalog to meet our customer's specifications. **341**

**AnalytiCon Discovery GmbH**, Hermannswerder Hans 17, Potsdam 14473, Germany, 49-331-2300309, fax: 49-331-2300333 AnalytiCon Discovery manufactures libraries of pure and structure-elucidated National Products. These chiral and highly diverse collections of Natural Products (MEGx) and semi-synthetic small compounds (NATx) facilitate high-throughput screening in a complete drug discovery program: From biomaterial acquisition, extraction, fermentation, screening to computational and medicinal chemistry. **342**

**Anasazi Instruments Inc.**, 4101 Cashard Ave., Suite 103, Indianapolis, IN 46203, 317-783-4126, fax: 317-783-7083, e-mail: sales@ainmr.com, Internet: www.ainmr.com Anasazi Instruments makes cryogen-free 60 and 90MHz NMR instruments. These permanent magnet NMR instruments are robust and have applications in R&D, quality control, and teaching. These instruments are available in three configurations, 1H, 1H/13C, and 1H/multinuclear. The Eft spectrometer can measure simple 1D spectra as well as 2D COSY and 2D HETCOR spectra. Anasazi Instruments provides strong support and a strong warranty. **315**

**Anasys Instruments Corp.**, 3944 State Street, Suite 345, Santa Barbara, CA 93105, 8054555482, fax: 8056828998, Internet: www.anasysinstruments.com Anasys Instruments is dedicated to delivering innovative products and solutions that measure nanoscale material properties. Understanding structure-property correlation, especially for samples with spatially varying physical and chemical properties, is critical in a diverse range of fields, including polymers, materials science, life science, semiconductors, and data storage, to name but a few. Anasys Instruments introduced nanothermal analysis (nano-TA™) based on self-heating ThermoLever™ AFM cantilever probes in 2006, allowing nanoscale measurements of thermal properties. Now, in 2010, Anasys Instruments proudly introduces breakthrough nanoIR™ technology. This AFM-based solution enables chemical characterization utilizing infrared spectroscopy techniques at the nanoscale. By combining AFM and infrared spectroscopy, Anasys Instruments offers researchers an unprecedented suite of chemical, mechanical, and thermal property measurement capabilities. **1408**

**Annual Reviews**, 4139 El Camino Way, P.O. Box 10139, Palo Alto, CA 94303-0139, 650-493-4400, fax: 650-424-0910, Internet: <http://www.annualreviews.org> Annual Reviews journals operate as a high quality filter, prioritizing and synthesizing primary research literature in 40

disciplines in the Biomedical, Life, Physical, and Social Sciences, including Economics. We are pleased to introduce the Annual Review of Chemical and Biomolecular Engineering. This journal provides a perspective on the broad field of chemical (and related) engineering and will address advances in applied chemistry and biology, with a focus on concepts, old and new materials, and/or processes. **549**

**Anton Paar USA**, 10215 Timber Ridge Drive, Ashland, VA 23005, 800-722-7556, fax: 804-550-1057, e-mail: info.us@anton-paar.com, Internet: www.anton-paar.com Anton Paar produces high-quality measuring and analysis instruments for industrial and research applications. In the fields of density and concentration measurement it is the established world leader. Its product portfolio also includes viscometers, rheometers, polarimeters and refractometers; and instruments for X-ray structure analysis, microwave synthesis and microwave decomposition. Throughout more than eighty-five successful years, the innovative spirit of Anton Paar's employees and their commitment to quality have been the driving forces behind the company. Anton Paar's strong R&D department and its partnerships with external research institutes turn ideas into instruments at the cutting edge of technology. **1111**

**APAC Pharmaceutical LLC**, 6851 Oak Hall Lane, Suite 101, Columbia, MD 21045, 410-997-5552, fax: 410-465-7035, e-mail: sales@apacpharma.com, Internet: www.apacpharma.com APAC Pharmaceutical LLC provides chemistry and manufacture solutions to pharmaceutical, biotech and specialty chemical companies, who need technically challenging and cost effective manufactures of any small molecule chemicals. Our services specialize in process research and cGMP manufacture, as well as project based medicinal chemistry, analog, building block, reference standard, and cGMP API manufacture. **1116**

**ArtusLabs, Inc.**, PO Box 110312, Durham, NC 27701, 919-468-2485, fax: 919-361-5002, e-mail: kate.blanchard@artuslabs.com, Internet: www.artuslabs.com ArtusLabs is the first scientifically oriented cloud computing company. Using the best of Web 2.0 technologies, Ensemble meets the regulatory and security requirements of the life science enterprise. The ArtusLabs team has been building software solutions for scientists for nearly a decade. Their products include Electronic Lab Notebooks, chemical drawing tools, document management for scientists, and compound registry systems—all in a secure cloud based solution to meet enterprise needs. **1029**

**Astatch Inc.**, Keystone Business Park, 2525 Pearl Buck Road, Bristol, PA 19007, 215-785-3197, fax: 216-785-2656, e-mail: sales@astatechinc.com, Internet: www.astatechinc.com **249**

**Asylum Research**, 6310 Hollister Avenue, Santa Barbara, CA 93117, 805-696-6466, fax: 805-696-6444, e-mail: sales@asylumresearch.com, Internet: www.asylumresearch.com The AFM/SPM technology leader will show the Cypher™ AFM, the world's highest resolution AFM, combining the accuracy and control of closed loop with the power of atomic resolution for the most accurate images and measurements possible. Included are SpotOn™ automated laser alignment, high-speed AC imaging with cantilevers smaller than 10um, integrated acoustic/vibration isolation, and thermal control for image and measurement stability. Also featured is the MFP-3D AFM family for large/small samples with sample viewing from top and bottom, long-range and low-noise force measurements and compatibility with inverted optical microscopes. Ask us about our electrochemistry option. **428**

**Avantes Inc.**, 9769 W. 119th Drive, Suite 4, Broomfield, CO 80021, 303-410-8668, fax: 303-410-8669, Avantes manufactures portable spectrometer systems, light sources, fiberoptic ca-

bles & probes, and accessories for UV/VIS/NIR measurement from 200-2500 nm. Systems include choice various detector arrays and communication options including USB, USB2, Wireless, and RS232. Avantes welcomes custom engineering questions and OEM inquiries. Avantes has thousands of spectrometers in the field and experienced specialists to help find your Solutions in Spectroscopy®. **111**

**Avantium Pharma**, Zekeringstraat 29, Amsterdam, Netherlands 1014 BV, 31-20-586-8080, fax: 31-20-586-8085, e-mail: info@avantium.com, Internet: www.avantium.com Crystalline New! Visualizing, understanding and controlling the crystallization process. This 5-ml crystallization platform with overhead stirring and refluxing capabilities provides real time particle size and shape information. Crystal16 Speed up your crystallization research. This benchtop 16 reactor crystallizer operates at less than 1-ml and is already used by all Top 20 Pharma companies. Services 1. Finding the best polymorph, salt or co-crystal at any stage 2. Improving solubility with stable amorphous solid dispersions 3. Better protecting IP rights through comprehensive form identification 4. Developing robust crystallization processes 5. Predicting the crystal structure of drug compounds. **111**

**Aviv Biomedical, Inc.**, 750 Vassar Avenue, Suite 2, Lakewood, NJ 08701-6929, 732-370-1300, fax: 732-370-1303, e-mail: info@avivbiomedical.com, Internet: avivbiomedical.com Aviv Biomedical Inc. manufactures scientific and clinical instruments. Products include a fluorescence accessory (AU-FDS) for the Beckman Analytical Ultracentrifuge, model XLA/XLI. Sales, service and support of Aviv spectrometers, Aviv spectrophotometers and Aviv fluorometers. **1016**

**AVS**, 125 Maiden Lane, 15th Floor, New York, NY 10038, Internet: www.avs.org As a professional organization, AVS fosters networking within the materials, processing, and interfaces communities at various local, national or international meetings and exhibits throughout the year. AVS annually publishes four journals, honors and recognizes members through its prestigious awards program, offers training and other technical resources, as well as career services. Please be sure to visit AVS at Booth #955 to learn more about our latest membership benefits and publishing opportunities. While you're visiting, don't forget to register for our drawing to win an i-Pod Touch. **955**

**BASF - The Chemical Company**, 100 Campus Drive, Florham Park, NJ 07932, 973-245-6068, fax: 973-245-6713, e-mail: janet.johnson@basf.com, Internet: www.basf.com BASF Corporation, the North American affiliate of BASF SE, Ludwigshafen, Germany, has approximately 16,000 employees in North America, and had sales of \$13 billion in 2009. BASF is the world's leading chemical company; The Chemical Company. Its portfolio ranges from chemicals, plastics and performance products to agricultural products, fine chemicals and oil and gas. BASF creates chemistry to help its customers in virtually all industries to be more successful. With its high-value products and intelligent solutions, BASF plays an important role in finding answers to global challenges, such as climate protection, energy efficiency, nutrition and mobility. **841**

**BASi**, 2701 Kent Ave., West Lafayette, IN 47906, 765-497-8458, fax: 764-497-1102, e-mail: basi@bioanalytical.com, Internet: www.BASInc.com BASi is a pioneer in the development and manufacture of unique instruments for electrochemistry and liquid chromatography, serving academia and industry. Primary is the pc-controlled Epsilon, available in several configurations, including a 4-channel potentiostat for use as an EC detector for LC and a single-channel potentiostat/galvanostat ideal for cyclic voltammetry and other EC techniques. BASi also has a substantial contract research organization serving the pharmaceutical industry. **834**

**Bentham Sciences Publishers Ltd.**, 833 S. Wood Street, Room 539, Chicago, IL 60612, 312-413-5867, fax: 312-996-7107, e-mail: morrissy@bentham.org, Internet: www.bentham.org. **1042**

**Beyond Computing Co. Ltd.**, 1-32-6 Asakusabashi, Taito, Tokyo 110053, Japan, 81-3-5825-0652, fax: 81-3-5825-0654, e-mail: nishi@beyond-computing.com, Internet: http://www.molworks.com "MolWorks" is a well-known highly integrated Molecular Designing Tool for Windows, Macintosh and Linux. We have developed new version MolWorks 3.0 and demonstrate the product at the show. The base component is free. **317**

**Bio-Logic USA, LLC**, 9050 Executive Park Drive, Suite 201A, Knoxville, TN 37923, 865-769-3800, fax: 865-769-3801, e-mail: nsblus@bio-logic.info, Internet: www.bio-logic.us Bio-Logic USA is showing the EC-LAB electrochemical instruments product line used for electro-analytical research and electrochemical sensor development. A full line of electrochemical accessories including cells and electrodes is also available. Our EC-Lab Express and EC-Lab software packages are designed for new or advanced users. All Bio-Logic instruments are based on our unique modular design. This modularity allows additional capability and techniques to be easily added to our instruments. The new SP-300 and SP-200 introduce a powerful new generation of potentiostats with the widest range of specifications available with  $\pm 48V$ , 1A to 1 pA and up to 7 MHz EIS. www.bio-logic.us or 1.865.769.3800. **1048**

**Biolin Scientific**, 514 Progress Drive, Suite G, Linthicum Heights, MD, United States 21090, 877-773-6730, fax: 866-415-8164, Internet: www.biolinscientific.com 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. **1316**

**Biosensing Instrument**, One West Elliot Rd, Suite 111, Tempe, AZ 85284, 480-491-2777, fax: 866-897-8741, e-mail: info2bi@biosensingusa.com, Internet: www.biosensingusa.com Biosensing Instrument (BI) Incorporated is devoted to providing high-performance Surface Plasmon Resonance (SPR) instruments for creative research and efficient analysis. Using innovative designs, our instruments offer high sensitivity for detecting analytes of various sizes, a wide time response range for slow and fast kinetics, and maximum versatility and flexibility. In addition to Liquid SPR, BI offers Gas SPR and Electrochemistry SPR. Our Products are ideal for: Life Science Research, Biosensors, Electroanalysis, Drug Discovery, Food Quality and Safety, Environmental Science, and Gas-and Liquid-Phase Chemical Sensors. **1134**

**Biotope**, 1725 Discovery Drive, Charlottesville, VA 22911, 434-979-2319, fax: 434-979-4743, Internet: www.biotope.com Biotope is a global company specializing in life science technologies. With products, knowledge and experience in the areas of genetic analysis, medicinal, analytical and process chemistry our customers include the world's top 30 pharmaceutical companies, top 20 biotech companies, and leading academic institutes. Discovery chemistry products include; microwave synthesis, resin bound scavengers and reagents, solid phase extraction (SPE), flash purification cartridges and systems,

and reaction screening instruments. The company is committed to developing innovative products that improve efficiency and results for discovery chemists. **417**

**BioTools, Inc.**, 17546 Bee Line, Jupiter, FL 33458, 561-625-0133, 866-btools1, fax: 561-625-0717, e-mail: info@btools.com, Internet: www.btools.com. Leaders in the field of chirality and biopharmaceuticals, first to introduce instrumentation and lab services for Vibrational Circular Dichroism (VCD) and Raman Optical Activity (ROA). ChiralIR, number one instrument choice for pharmaceutical industry and academics for determination of absolute configuration. The new ChiralRaman-2X is the world's first and only instrument to combine ROA with Raman microscopy. BioIR FT-IR Instrumentation for analysis of proteins, viruses, sugars and nucleotides, primary choice for biopharmaceutical formulations. FT-IR for secondary structure and formulations. Providing a complete line of Spectroscopic accessories, Bcells and databases. BioTools Contract lab provides services for the characterization. **850**

**Block MEMS/Engineering**, 377 Simarano Dr., Suite 130, Marlborough, MA 01752-3096, 508-251-3102, fax: 508-251-3171, e-mail: adam.erlich@blockeng.com, Internet: www.blockeng.com Block's flagship product is a standoff and point infrared absorption spectroscopy system, where the heart of the system is a next-generation widely tunable Quantum Cascade Laser (QCL). This gives LaserScan sensitivities that are orders of magnitude greater than alternative spectroscopy systems. The system rapidly cycles through a user-selected range of the mid-infrared spectrum anywhere between 6 to 12  $\mu\text{m}$ . The system can analyze gases, liquids, and solids. It can also be paired with an IR microscope to achieve high spectral power density. **551**

**BookFactory**, 2302 S. Edwin C. Moses Blvd., Dayton, OH 45408, 937-226-7100, fax: 614-388-5635, e-mail: sales@bookfactory.com, Internet: www.bookfactory.com. **1309**

**Boron Molecular**, PO Box 12592, Research Triangle Park, NC 27709, 919-981-4441, fax: 919-981-4442, e-mail: sales@boronmolecular-usa.com, Internet: www.boronmolecular.com Boron Molecular is a specialty fine chemicals manufacturing company providing building block compounds, active pharmaceutical ingredients and cGMP services. We focus on boronic acids, esters, biaryls, APIs and specialty chemistry services to the global pharmaceutical, biotechnology, fine chemicals and materials markets. Boron Molecular has the capacity to supply its products and services from grams to hundreds of kilograms by utilizing our new fully automated stand alone ISO 8 Class 100,000 630L clean room manufacturing facility. We're committed to providing excellent value to all our customers through an extensive range of differentiated products, dependable quality, competitive pricing and excellent customer service. **1210**

**BrandTech Scientific**, 11 Bokum Road, Essex, CT 06426, 860-767-2562, fax: 860-767-2563, Internet: www.brandtech.com BrandTech Scientific supplies liquid handling devices, corrosion-resistant oil-free vacuum pumps, and stainless steel support jacks. Featured products include the new Titrrette® bottle-top burette that meets Class A glassware tolerances and has an optional computer interface; a newly updated line of VACUUBRAND® chemistry-design dry vacuum pumps and systems, including models with sophisticated, automated evaporative control, the new Transferpette® S line of single-channel pipettes with one-handed volume adjustment and short stroke length, as well as the popular Dispensette® III, Organic and HF dispensers. **744**

**Brookfield Engineering**, 11 Commerce Blvd., Middleboro, MA 02346, 508-946-6200, fax: 508-946-6262, e-mail: sales@brookfieldengineering.com, Internet: www.brookfieldengineering.com Brookfield Engineering is the world's leading manufacturer of rotational viscometers and

rheometers, as well as texture analyzers and powder flow testers for liquids, semi-solids and powder. Our instruments have been used by QC, R&D, government and academic environments for a variety of applications such as chemicals, pharmaceuticals, and much more. For over 75 years, Brookfield has been considered the preferred supplier of viscosity measurement instrumentation. **636**

**Brookhaven Instruments Corp.**, 750 Blue Point Road, Holtsville, NY 11742-1832, 631-758-3200, fax: 631-758-3255, e-mail: info@brookhaveninstruments.com, Internet: www.BrookhavenInstruments.com Determine particle size, electrophoretic mobility (zeta potential), molecular weight, and second virial coefficient with light scattering instruments manufactured by Brookhaven Instruments. INTRODUCING the BioDLS microplate particle size analyzer and the NanoDLS batch, stop-flow and SEC mode for absolute size exclusion chromatography, ASEC, and molecular weight determination using either dynamic or static light scattering. The BI-MwA molecular weight analyzer can be coupled to an existing SEC/GPC system to eliminate column calibration. **1006**

**Brooks/Cole Cengage Learning**, 20 Davis Drive, Belmont, CA 94002, 650-595-2350, Internet: www.cengage.com Cengage Learning delivers highly customized learning solutions for colleges, universities, professors, students, reference centers, government agencies, corporations and professionals around the world. These solutions are delivered through specialized content, applications and services that foster academic excellence and professional development and provide measurable results to its customers. **601**

**Bruker**, 19 Fortune Drive, Billerica, MA 01821, 888-4BRUKER, e-mail: info@bruker.com, Internet: www.bruker.com The world's most comprehensive range of scientific instrumentation available under one brand - a brand synonymous with excellence, innovation and quality. Bruker is the global market and technology leader offering complete molecular characterization in chemistry and proteomics; solutions for materials research and nanotechnology; clinical research tools in molecular diagnostics and imaging; X-ray diffraction, fluorescence and crystallography; Atomic Force Microscopy; Infrared and Raman Spectroscopy, Nuclear Magnetic Resonance (NMR) spectroscopy, Mass Spectrometry and more - visit www.bruker.com to learn more about our technologies and solutions. **635**

**Buchi Corp.**, 19 Lukens Drive, Suite 400, New Castle, DE 19720, 302-652-3000, fax: 302-652-8777, e-mail: us-sales@buchi.com, Internet: www.mybuchi.com The Market Leader in Rotary Evaporation, Buchi® celebrates 70 years of innovation. We are dedicated to developing products that are reliable, automated, integrated and safe. Our products include Rotary Evaporation systems, Vacuum systems, Syncore synthesis systems, Spray Drying, Spray Chilling, Melting Point systems, Flash and Preparative Chromatography, Soxhlet Extractors, automated Kjeldahl systems and FT-NIR systems as well as a range of Support Solutions from Method development, Application support and direct Buchi Service Department. www.mybuchi.com. **835**

**Buck Scientific**, 58 Fort Point Street, East Norwalk, CT 06855, 800-562-5566, fax: 203-853-0256, e-mail: sales@bucksci.com, Internet: www.bucksci.com Buck Scientific will be Celebrating it's 40th year by offering special show prices for our New M530 Spectrophotometer. Complete line of Analytical Instrumentation. Our New M530 Infrared spectrophotometer will be showcased with special show discounts. Our small footprint Atomic absorption will show you just how small an AA can be and our LC and GC systems offer robust applications with remarkable prices! Come see how Buck Scientific can help you save money and space! **1124**

**C/D/N Isotopes**, 88 Leacock St., Pointe-Claire, QC, Canada H9R 1H1, 800-565-4696, fax: 514-697-6148, e-mail: info@cdnisotopes.com, Internet: www.cdnisotopes.com We are the world's most extensive supplier of deuterated products, having the largest product listing, largest inventory, highest quality and competitive prices. We currently have more than 2700 products in stock. We can ship out most of our orders within 24 to 48 hours after receipt of order. Over the years, we have developed and expanded our expertise in the preparation of deuterated compounds. As a result, we are continuously adding new products. **1015**

**Cambridge Healthtech Institute**, 250 First Ave., Suite 300, Needham, MA 02464, 781-972-5494, fax: 781-972-5425, Internet: http://www.chicorporate.com/CambridgeHealthtechInstitute (CHI) is the preeminent life science network for leading researchers and business experts from top pharmaceutical, biotech and academic organizations. CHI's portfolio of products includes Cambridge Healthtech Institute Conferences, Insight Pharma Reports, Cambridge Marketing Consultants, Barnett Educational Services, Cambridge Meeting Planners and Cambridge Healthtech's Media Group, which includes Bio-IT World magazine. **1424**

**Cambridge Isotope Laboratories**, 50 Frontage Rd., Andover, MA 01810, 978-749-8000, fax: 978-749-2768, Internet: www.isotope.com Cambridge Isotope Laboratories is the world leader in the manufacture and separation of stable isotopes (deuterium, carbon-13, nitrogen-15, oxygen-17 and oxygen-18) and stable isotope labeled compounds. Since 1981, CIL has provided over 15,000 different research compounds to a large base of medical, pharmaceutical, academic and government customers. As the premier supplier of stable isotopes for research applications, we maintain an extensive inventory of compounds for research areas including BioNMR, Bio Mass Spectrometry, MRS/MRI, nutrition/metabolic research, proteomics, genomics, molecular biology, metabolomics, clinical/diagnostic research and cyclotron target materials. CIL maintains a comprehensive line of environmental contaminant standards for ultra trace environmental analysis. **1310**

**Cambridge NanoTech**, 68 Rogers St., Cambridge, MA 02142, 617-674-8800, fax: 617-674-8850, e-mail: jitter@cambridgenanotech.com, Internet: www.cambridgenanotech.com Cambridge NanoTech, a leader in Atomic Layer Deposition solutions, delivers ALD systems capable of depositing ultra-thin films that are used in a wide variety of research and industrial applications. With over 200 installed worldwide, Cambridge NanoTech produces ALD systems which are both economical and accessible. Our manufacturing ALD systems, the Phoenix™ and Tahiti™, are used in the production of semiconductors, flat panel displays, photovoltaics and solid state lighting. Additionally, Cambridge NanoTech's research systems, the Savannah™ and Fiji™, are used by world class scientists on five continents to study superior ALD film properties such as electrical, anti-bacterial, UV blocking and anti-reflection. **137**

**Cambridge Reactor Design**, Unit D2, Brookfield Business Centre, Twenty Pence Rd., Cambridge, United Kingdom, 44 1954 252522, fax: 44 1954 252566, e-mail: sales@crduk.com, Internet: www.cambridgereactordesign.com Cambridge Reactor Design is a solutions provider for chemistry laboratories worldwide. The company specializes in designing and building new equipment; recent application areas include: Downstream Processing with intelligent vision for real-time decision making; Continuous Chemistry utilizing either tubular or continuous stirred tank reactors; High throughput corrosion testing for Fuel Cell components; High throughput stability testing of engine oils; Continuous Crystallization. Offering both standard and custom products, the company focuses on providing creative, simple and practical solutions to achieve the customers' required result. **1303**

**CambridgeSoft Corp.**, 100 Cambridge Park Dr, Cambridge, MA 02140, 617-588-9100, fax: 617-588-9190, e-mail: jib@cambridgesoft.com, Internet: www.cambridgesoft.com CambridgeSoft Corporation is a leading supplier of discovery, collaboration, and knowledge enterprise solutions, desktop software, scientific databases and consulting services to the pharmaceutical, biotechnology, and chemical industries. The Company provides: Enterprise solutions, desktop software, scientific databases, and professional services for biotechnology, drug discovery and chemical research, including software, databases, and web sites which enable customers to create, analyze and communicate chemical, biological, and scientific information more effectively. **201**

**Carbolite Inc.**, 110 South Second St., Watertown, WI 53094, 800-543-6208, fax: 800-543-6209, e-mail: sales@carbolite-usa.com, Internet: www.carbolite.us Carbolite offers an extensive line of laboratory heat processing furnace and oven products for use in the research, testing and pilot plant environments. Furnaces are provided for operation to 1800C, oven products to 600C and incubators to 80C. Product range includes multiple chamber sizes of box, tube and bottom and top loading furnaces, ovens, incubators and sterilizers. Carbolite also provides modified or special furnace and oven products and custom engineered equipment to meet specific customer requirements. **429**

**CAS**, 2540 Olentangy River Road, Columbus, OH 43210, 614-447-3600, fax: 614-447-3713, e-mail: help@cas.org, Internet: www.cas.org CAS, a division of the American Chemical Society, is the most authoritative and comprehensive source for chemical information. CAS databases, including CAS REGISTRY, the "gold standard" for substance information, are curated and quality-controlled by a global team of scientists. Combining these databases with advanced search and analysis technologies, CAS delivers the most complete, cross-linked, and effective digital information environment for scientific research and discovery through such products as SciFinder, STN, STN Express, and STN AnaVist, as well as services, such as Science IP. Visit our website to learn more. **827**

**CEM Corp.**, 3100 Smith Farm Road, Matthews, NC 28106, 704-821-7015, fax: 704-821-7894, Internet: www.cem.com CEM Corporation is a leading provider of innovative, advanced microwave laboratory systems for chemical synthesis, sample preparation, and bioscience applications. Our award-winning systems provide fast, reproducible results in rugged, flexible platforms and are available with a variety of vessels and accessories. Our new Discover™ SP with ActiVent Technology features vessels with simple pop-on caps, individual temperature and pressure control and automated venting. Compact and modular, Discover Systems offer unmatched versatility with options for automation, peptide synthesis, proteomic applications, low-temperature chemistries, gas-addition, flow chemistry, and more. We also offer lab books and teaching kits, grants and the \$10,000 MJ Collins Award. **225**

**Central Intelligence Agency**, Recruitment Center, 4B76 DD1, Washington, DC 20505, 571-423-8463, fax: 781-584-4142, e-mail: rosemah2@ucia.gov. The CIA is an independent US Government agency responsible for providing national security intelligence to senior US policymakers. We carry out our mission by: collecting information that reveals the plans, intentions and capabilities of our adversaries; producing timely analysis that provides insight, warning and opportunity to the President and senior policy makers; and, conducting covert action at the direction of the President. Successful applicants must be US citizens; willing to relocate to Washington, DC area; successfully complete a comprehensive security clearance process. This is more than a job. It is a way of life. Visit www.cia.gov for more information. **103**

**ChemAxon Ltd.**, Máramaros köz 3/A, Budapest, Hungary 1037, 361-453-2660, Internet: http://www.chemaxon.com/ ChemAxon is a leader in providing cheminformatics software development platforms and applications for the biotechnology, pharmaceutical and agrochemical industries. With core capabilities for structure visualization, search and management, property prediction, virtual synthesis, screening and drug design, ChemAxon focuses upon active interaction with users and software portability to create powerful, cost effective cross platform solutions and programming interfaces to power modern cheminformatics and chemical communication. For more information please visit us online. **838**

**ChemBridge Corp.**, 16981 Via Tazon, Suite G, San Diego, CA 92127, 858-451-7400, fax: 858-451-7401, e-mail: sales@chembridge.com, Internet: www.chembridge.com ChemBridge Corporation offers an extensive portfolio of discovery chemistry products and contract research services. These include over 700,000 compounds that are diverse or target focused, as well as customized discovery chemistry research services. ChemBridge provides a comprehensive portfolio of efficient, cost-effective, enabling chemistry solutions for all stages of small molecule drug discovery. **1033**

**ChemFuture PharmaTech (Jiangsu) Ltd.**, 18 Zhenze Road, Virgo A, Wuxi New District, Wuxi City, Jiangsu Province, China, 86-510-85386988, fax: 86-510-85220778 ChemFuture is dedicated to provide pharmaceutical and biotechnology industries with One-stop chemistry services from concept all the way to IND filing. Our services include FTE-Based Services, library design and synthesis, building block and scaffold design and synthesis, process research and development and API production. A collection of commercially available building blocks has been developed to support advanced combinatorial lead generation, hit-to-lead, lead optimization and medicinal chemistry programs. Our new standing-alone R&D building of 53,820 sq ft is equipped with Bruker 400MH NMR; Agilent 1200 HPLC, Analytical LCMS, Preparative LCMS, GCMS; Microwave synthesizers and other modern equipment. **452**

**Chemglass Life Sciences**, 3800 North Mill Road, Vineland, NJ 08360, 800-843-1794, fax: 800-922-4361, Internet: www.chemglass.com In addition to our wide selection of glassware and equipment for chemistry we have begun adding products for chromatography and cell culture keeping us on the forefront of scientific innovation. CGLS fabricates standard glassware items and components as well as custom glassware. We have the capability to produce not only the most complex glass apparatus, but also intricate electronic equipment and customized machined components. Products include process reactors from 10L-100L, benchtop reactors from 100mL-5L. Also on display: Huber Unistat Circulators, Chromatography vials and closures, NMR Tubes, OptiTherm Blocks, Pie-Blocks-Reaction blocks, Pressure Vessels, Volumetric Flasks, Schlenk Glassware/Manifolds, Rotary and Fritted Glassware. **714**

**Chemic Laboratories, Inc.**, 480 Neponset St., Bldg. 7, Canton, MA 02021, 781-821-5600, fax: 781-821-5651, Internet: www.chemiclabs.com Chemic Laboratories, Inc. is a cGMP/GLP contract analytical chemistry organization, FDA registered & DEA licensed. Chemic offers the following testing services; Extractables/Leachables Analysis, Methods Development, Validations, Bioanalytical Services, cGMP Organic Synthesis & Formulation Development and Stability Testing. Chemic continues to develop expertise in additional technologies such as producing high purity excipients; Lauryl Lactate, Myristyl Lactate, Cetyl Lactate, specialty chemicals and reagents to provide our customers the tools needed to enhance their research efforts. **538**

**Chemical Society of Japan**, 1-5, Kanda-Surugadai, Chiyoda-ku, Tokyo, Japan 1018307, 81-3-3292-6165, fax: 81-3-3292-6319, Internet: www.

chemistry.or.jp/index-e.html The Chemical Society of Japan has worked since its founding to be an important resource for chemists and the general public. In its efforts to support research and with its ultimate goal of bettering human life, CSJ launched Chemistry Letters(1972) and the Bulletin of the Chemical Society of Japan(1926) to be a major source of information about the latest discoveries and advances in chemistry-related research. **537**

**Chemistry Central**, Floor 6, 236 Gray's Inn Road, London, United Kingdom WC1X 8HL, 44-20-3192-2000, fax: 44-20-3192-2010, e-mail: info@chemistrycentral.com, Internet: www.chemistrycentral.com Chemistry Central is an independent publishing platform operated by BioMed Central and is committed to providing immediate open access to peer-reviewed chemical research. Journals include Chemistry Central Journal, Journal of Cheminformatics and the newly launched Journal of Systems Chemistry. For more information and to be in with a chance to win an iPod Touch, visit stand #1131. **1131**

**Chemrus Inc.**, P.O. Box 920524, Needham, MA 02492, Chemrus Inc. develops, manufactures, and markets the unique filter funnel system for solid-liquid separation. The system consists of a disposable polypropylene filter funnel with a 10 micron polyethylene fritted disc and a cleanse-free glass vacuum adapter. The disposable filter funnels have a long stem so that the glass vacuum adapter is not contaminated during the filtration process. The vacuum adapters are specially designed so that the vacuum can be controlled using a Teflon stopcock. U.S. and international patent pending. **444**

**Chemspeed Technologies**, 113 North Center Drive, North Brunswick, NJ 08902, 732-329-1225, fax: 732-329-1226, Internet: www.chemspeed.com Chemspeed Technologies offers innovative hardware and software solutions for every step in the product development cycle: from design of experiments, to sample preparation, synthesis, process research, formulation, application, testing and finally to data to knowledge. Chemspeed provides automated workflow solutions for the pharmaceuticals, agrochemicals, materials science, renewables, fine and specialty chemicals, personal and home care, and nutrition industries. **1115**

**Chemyx Inc.**, PO BOX 121, Stafford, TX 77477, 281-277-5499, e-mail: info@chemyx.com, Internet: www.chemyx.com. **742**

**ColdEdge Technologies**, 905 Harrison Street, Suite 134, Allentown, PA 18103, United States, 610-628-6363, fax: 610-628-6363, Internet: www.coldedgetech.com Provides <3K to 1000K temperature range cryostats for materials research, spectroscopy, superconductor studies, UHV, device testing, astronomy, cryogenic detector cooling, magnetic properties, chemistry, bio, electrical experiments and many other applications. Liquid Helium free closed cycle systems with sample in vacuum or cold vapor available. Interface customization is our specialty—send us your sketch. **651**

**CombiPhos Catalysts, Inc.**, P.O. Box 220, Princeton, NJ 08542-0220, 609-587-6500, fax: 609-587-6570, e-mail: info@combi-phos.com, Internet: http://www.combi-phos.com CombiPhos Catalysts, Inc. is the sole provider of highly active, air- and moisture-stable cross-coupling catalysts (POPd, POPd1, POPd2, PXPd2, PXPd) that have been used in over 500 pharmaceutical, agrochemical, and chemical companies worldwide since 2002. CombiPhos Catalysts, Inc. is the provider of a wide variety of Deutero-compounds, heterocyclic halides, boronic acids, and boronic esters including novel pyridine-2-, thiazole-4-, thiazole-5-, pyrimidine-4-, pyrazine-2-, and pyridazine-3-boronic acids/esters, which are made through catalytic C-B coupling reactions using novel catalysts made with technology licensed from the DuPont Company. **739**

**Core Informatics**, 500 East Main St., Suite 208, Branford, CT 06405, 203-643-8099, fax: 203-643-2172, e-mail: info@coreinformatics.com, Internet: www.coreinformatics.com Core Informatics is a software company focused on delivering state of the art web-based customized Laboratory Information Management Systems (LIMS) to customers in a variety of industries. Our company was formed to address the lack of a customizable yet affordable LIMS within the marketplace. Members of the company average over ten years of industry experience and have worked on numerous custom LIMS software projects. In the short period of time since our inception, Core Informatics has completed multiple LIMS implementations and has developed a solid reputation as one of the top LIMS providers. **348**

**Corning Inc.**, 900 Chelmsford Street, Tower 2, 4th Floor, Lowell, MA 01851, 978-442-2200, fax: 978-442-2476, e-mail: clswemail@corning.com, Internet: www.corning.com/lifesciences Corning Incorporated manufactures high quality products for chemistry research. Corning Life Sciences, the makers of PYREX® and PYREX® VISTA™ glassware and Corning Hot Plates and Stirrers, is a major manufacturer of glass and plastic laboratory products for chemistry, cell culture, drug discovery, liquid handling, filtration, and Mobile Phase Reservoirs for HPLC. **433**

**CP Lab Safety**, 14 Commercial Blvd., Suite 113, Novato, CA 94949, 415-883-2600, fax: 415-532-1662, e-mail: carel@cplabsafety.com, Internet: www.cplabsafety.com Formerly California Pacific Lab Safety. Manufacturer of ECO Funnels™, Chromatography Funnels, Secondary Containers and Solid Waste Containers. ECO Funnels reduce harmful emissions and help prevent fire while solving the open waste container problem. Made of HDPE with a gasket in the lid, sturdy hinge and latch. Unique design will prevent container over-filling. Available with variety of screw cap sizes to fit common waste containers. Customize with HPLC adapters. We guarantee our ECO Funnel products. Other safety products include: cabinets, cans, eyewear, gloves, coated glass bottles, glassware, plastic bottles, carboys and drums. See us for your lab safety needs! **1114**

**CSCS Corporation**, 59 Greenhill Street, West Warwick, RI 02893, United States, 401-825-7920, fax: 401-825-7923, Internet: www.cscs corp.org **438**

**Custom Organic Laboratories LLC**, P.O. Box 7027, Belle Chasse, LA 70037, 504-812-2417, fax: 504-899-4986, e-mail: info@customorganiclabs.com, Internet: customorganiclabs.com. **343**

**D.E. Shaw Research**, 120 W. 45th St., 39th Floor, New York, NY 10036, 212-403-8156, fax: 646-873-2156, e-mail: an.do@deshawresearch.com, Internet: www.DEShawResearch.com We will be conducting a beginner and advanced user workshop tutorial on Desmond, a software package developed at D. E. Shaw Research to perform high-speed molecular dynamics simulations of biological systems on both single computers and conventional commodity clusters. Desmond and its source code are available without cost for non-commercial use by universities and other not-for-profit research institutions. The two tutorials will be held on Tuesday at the following times: noon - 2:30 PM and 3:30 PM - 6:00 PM. For workshop information and to register, please visit: http://groups.google.com/group/desmond-md-users/web/desmond-workshops?hl=en\_US.

**Defiant Technologies Inc.**, 6814A Academy Parkway West NE, Albuquerque, NM 87109, 505-999-5880, fax: 505-750-9810, e-mail: info@defiant-tech.com, Internet: www.defiant-tech.com Defiant offers handheld gas chromatography based sensor systems for detection of chemical warfare agents, environmental contaminants, and process chemicals. Our systems are based on microfabricated components coated

with designer materials. Defiant selects from an assortment of components for chemical collection, separation, and detection to maximize selectivity and sensitivity for your application. Each system is battery operated and uses ambient air as the carrier gas. These systems can be used for handheld applications, facility monitors, or gas modules can be produced for OEM applications. **1413**

**DeLong Chemicals America, LLC**, 269 Spruce St., Cheshire, CT 06410, 203-271-9017, e-mail: janelu@delongchemicals.com, Internet: www.delongchemicals.com DeLong Chemicals America is a supplier of aroma chemicals, pharmaceutical and specialty chemical intermediates. The company also has services in custom synthesis and manufacturing. Aroma Chemicals and Intermediates: More than 170 of aroma chemicals. Certificated KOSHER. Pharmaceutical and specialty chemical Intermediates. Custom Synthesis and Manufacturing: A broad range of custom synthesis services, process development and scale up. Adept chemical knowledge and expertise in manufacturing complex intermediates. **332**

**Dionex Corporation**, 1228 Titan Way, PO Box 3603, Sunnyvale, CA 94088-3603, 408-499-4093, fax: 408-730-9403, e-mail: marcom@dionex.com, Internet: www.dionex.com It's All About the Chemistry-Dionex delivers breakthrough chromatography solutions for better performance and higher productivity. The Ultimate@ 3000 LCI series includes RSLC systems with UHPLC and HPLC capabilities, the new RSLCnano system for proteomics. The titanium solution with bioinert flow paths and ESA detectors expand capabilities for biomolecule detection. Our unique Reagent-Free™ IC systems feature Eluent Generation and Regeneration. We lead the industry with selective high-capacity IC and HPLC/RSLC columns and consumables and automated sample preparation and solid-phase extraction systems that significantly reduce labor and waste. **817**

**DTRA-RD-CB**, 6363 Walker Ln., #600, Alexandria, VA 22310, 571-303-2141, fax: 571-303-2100, Internet: http://www.dtra.mil/Missions/ChemicalBiologicalDefense/ChemicalBiologicalDefenseHome.aspx We are the DTRA Research and Development Enterprise Chemical and Biological Technologies Directorate (DTRA RD-CB) and our Agency's focal point for chemical and biological scientific and technical expertise. We are also dual-hatted as the Joint Science and Technology Office (JSTO) for Chemical and Biological Defense under the DoD Chemical and Biological Defense Program (CBDP). In these roles we seek to provide cutting edge technology solutions that reduce the threat from weapons of mass destruction and empower warfighters to achieve their missions in a chemical, biological or radiological environment. **1032**

**Eastern Analytical Symposium**, PO Box 185, Spring Lake, NJ 07762, 732-449-2280, fax: 732-612-1123, e-mail: askeas@eas.org, Internet: www.eas.org Join the thousands of people who will attend the annual Eastern Analytical Symposium and Exposition on November 15-18, 2010, in Somerset, NJ. The EAS educates and informs with a strong technical program of the latest research presented in invited and contributed oral and poster sessions; presentations of prestigious outstanding achievement awards; and numerous short courses emphasizing practical and economical problem-solving topics covering various areas of Analytical Chemistry. In addition, hundreds of exhibitors display state-of-the-art instrumentation, equipment, products, and services at the exposition. An employment area offers Analytical Chemists job opportunities. This is an event that should not be missed! **754**

**Eberbach Corp.**, 505 S. Maple Road, PO Box 1024, Ann Arbor, MI 48103, 734-665-8877, fax: 734-665-9099, e-mail: ralphboehnke@eberbachlabtools.com, Internet: www.eberbachlabtools.com Eberbach Corporation, designs, builds and

markets sample preparation equipment such as Stirrers, Shakers, Blenders, Mixers and more. Eberbach has a long history in the scientific community and our products are used in a broad range of research and commercial applications, spanning biomedical, environmental, food and chemical sciences. **1207**

**Eckert & Ziegler Eurotope**, 63 South St., Suite 140, Hopkinton, MA 01748, 508-497-0060, fax: 508-497-0061, e-mail: yvette.daltorio@ezag.com, Internet: www.eurotope.com Eckert & Ziegler Eurotope GmbH is a leading global technology company specializing in the design and construction of automated and remotely operated manufacturing equipment for the production of radiopharmaceuticals and sealed radioactive sources. Applications include both medical therapy and diagnostics. Eurotope's Modular Lab system provides hospitals, research institutions, and radiopharmaceutical companies with versatile development and manufacturing capability for PET tracers and other radiopharmaceuticals employing a variety of isotopes. Modular Lab enables custom synthesis processes to be assembled from a diverse set of unit operations modules. We also offer the IGG100 Ga-68 generator and sterile Y-90 chloride solution. **943**

**eDAQ, Inc.**, 2205 Executive Circle, Colorado Springs, CO 80906, 719-576-7000, 888-965-6086, fax: 719-576-3971, Internet: www.edaq.com eDAQ manufactures data recording solutions for Electrochemistry, Impedance Spectroscopy, Chromatography, Capillary Electrophoresis, Flow-Analysis and General Data Recording. The core of the systems is the eCorder analog to digital recorder/controller. System resolution is 16bits and sample speeds up to 200,000 per second. Software: "Chart", "Scope", "eChem", "PowerChrom" makes the eCorder system very easy to learn/use. Suitable for Research and Teaching! Plug and play capability allows effortless recording of any signal (ph, conductivity, temperature and more). Potentiostats serve multiple duty as galvanostat, ZR amps, or Hi Z amps. Electrochemistry systems contain 15 electrochemical techniques and easy use, high resolution, no programming required. **319**

**ELGA Labwater**, 5 Earl Court, Woodridge, IL 60517, 630-910-4626, e-mail: katherine.ardaugh@veoliawater.com, Internet: www.elgalabwater.com ELGA LabWater specializes in pure and ultra pure water purification products for the laboratory, research, healthcare and clinical markets. With over 50 years experience in developing and manufacturing we have an in-depth understanding of application and laboratory requirements. ELGA is an integral part of Veolia Water Solutions & Technologies, a leading specialized provider of water treatment solutions and design and build services. With over 8,900 employees in 57 countries, Veolia Water Solutions & Technologies had revenues of \$3.7 billion in 2008. **239**

**Elsevier**, 360 Park Avenue South, New York, NY 10010, 212-633-3756, fax: 212-633-3112, e-mail: k.brown@elsevier.com, Internet: www.elsevier.com. Elsevier is a leading publisher and provider of search and discovery tools in Chemistry, Chemical Engineering, and related areas. We publish over 125 journal titles, including prestigious society publications, and numerous books and e-books, including titles under the Academic Press imprint. With innovative web-based products such as Science Direct, Scopus, Reaxys and SciVal, we continue to refine our portfolio to serve the needs of academics, researchers, and practitioners worldwide. Visit our booth to see our new and bestselling titles, learn about the latest Impact Factors of our high quality journals, and discover how our online products can improve your research productivity. **501**

**EMD Chemicals**, 480 South Democrat Road, Gibbstown, NJ 08027, 800-222-0342, fax: 856-423-4389, e-mail: leslie.ferguson-harris@emdchemicals.com, Internet: www.emdchemicals.com

com EMD Chemicals, Inc. is the North American division of Merck KGaA, Darmstadt, Germany. We are a leading manufacturer of products for Life Science and Chemical Research best known for our chromatography offerings, including TLC plates, HPLC columns and sorbents, as well as OmniSolv® and DriSolv® high purity solvents. With over 29,000 products in our portfolio, our brands are used in almost every lab. **617**

**EquipNet**, 50 Hudson Road, Canton, MA 02021, 781-821-3482, fax: 617-671-1269, Internet: www.EquipNet.com **1304**

**Erlab, Inc.**, 388 Newburyport Turnpike, Rowley, MA 01969, 978-948-2216, fax: 978-948-3354, e-mail: jgriffin@erlab.com, Internet: www.erlab.com Manufacturer of GreenFumeHood Technology and Captair Brand products. Brand new product unveilings for 2010 include: Captair Ductless Filtering Fume Hoods featuring brand new "expanded use" modular design and enhanced filtration. - CaptairStore chemical storage and inventory management system with Erlab filtration technology. Eliminate odors and keep chemicals stored safely right in your lab with 24Hour continuous filtration. - PowderCap Hepa filtered powder weighing enclosures for safe and accurate weighing. - Biocap DNA/RNA enclosures. - Captair Pyramid disposable low cost glove box. www.erlab.com Erlab: Industry leader since 1968. **642**

**Evolvus**, 88, Shukrawar Peth, Pune-4110002, Maharashtra, India, 91-98-22658036, fax: 91-20-24210271, e-mail: ydixit@evolvus.com. Internet: www.evolvus.com We offer cutting edge Research Services in 2 areas along the value chain of Drug Discovery and Development. a) Contract Chemistry Services - Custom Synthesis, scale-up, process development and Medicinal Chemistry. This includes needs in hit identification, lead optimization and library design, Synthesis and Pilot Plant Process Development as well as Computational Chemistry. b) Outsourced Discovery Informatics - We provide customised solutions and cost effective scalable resources, in the areas of Patent Chemistry Data Abstraction, Indexing of Markush Structures, and Annotation of Clinical, Pharmacological, Biochemical, Chemical and Pharmacogenomic Data. **1112**

**Excellims Corp.**, 20 Main St., Acton, MA 01720, 978-264-1980, fax: 978-264-1981, e-mail: info@excellims.com, Internet: www.excellims.com Excellims provides bench top ElectroSpray Ionization-Mobility Spectrometer (ESI-IMS) & Ion Mobility - Mass Spectrometer systems. Excellims' IMS based systems provide organic reaction analysis in a millisecond to second time-frame providing an accurate reading on reaction progress; consumption of starting materials and the formation of the desired product can be identified using sub-nanogram quantities in the reaction mixture. This gas phase technique separates molecules based on their size and shape. An electro-spray ionization source provides means to ionize non-volatile compounds. In addition, the ESI-IMS system can be used to rapidly identify active ingredients for cleaning validation applications in pharmaceutical manufacturing. **1229**

**Extrel CMS**, 575 Epsilon Drive, Pittsburgh, PA 15238, Internet: www.extrel.com Extrel is the world's leading manufacturer of Research and Process Mass Spectrometers, Residual Gas Analyzers (RGA's), Quadrupole Mass Spectrometry Systems and Components. We have been providing quadrupole mass spectrometry solutions to our Research and Industrial customers for over 45 years. Our instruments are known for their high performance, reliability and flexibility. We offer equipment for Basic Research, QA/QC Laboratories, Process Development and Process Control. Extrel's global customers receive the most comprehensive application, technical and onsite support in the industry. **743**

**Federal Bureau of Investigation**, 935 Pennsylvania Avenue NW, Washington, DC 20535. **606**

**Fit to a Tee**, 3222 M Street NW, Washington, DC 20007, 410-798-5732, fax: 410-798-5732 **1432**

**Fluid Management Systems Inc.**, 580 Pleasant Street, Watertown, MA 02172, 617-393-2396, fax: 617-393-0194, Internet: www.fms-inc.com. **155**

**Fluid Metering, Inc.**, 5 Aerial Way, Suite 500, Syosset, NY 11791, 516-922-6050, fax: 516-624-8261, e-mail: pumps@fmpump.com, Internet: fmpump.com. **1141**

**Fraunhofer USA-CCL**, B100 Engineering Research Complex, East Lansing, MI 48824, 517-432-8709, fax: 517-432-8167, e-mail: thock@fraunhofer.org, Internet: www.ccl-diamond.com/ Fraunhofer Center for Coatings and Laser Applications offers diamond materials and contract development services in the field of diamond-related products. These products include single crystal diamond, poly crystalline diamond, boron doped diamond electrodes, finished and semi-finished products and diamond coatings. Product examples are boron doped diamond electrodes for electrochemical and waste water treatment applications. Our single crystal diamond material is used for optical applications such as ATR windows. Projects are performed in the life science, advanced manufacturing, alternative energy, micro-electro-mechanical system, homeland-security and defense sectors for companies ranging from start-ups to large corporations. Fraunhofer CCL is an ISO9001:2008 certified operation. **952**

**Frontier Scientific**, P.O. Box 31, Logan, UT 84323, 801-588-0455, e-mail: sales@frontiersci.com, Internet: www.frontiersci.com Frontier Scientific Inc. (FSI) is a chemical developer, manufacturer, and custom research services provider to the pharmaceutical, biotechnology, industrial chemical, government, and academic sectors. FSI specializes in the development of chemical compounds and processes related to boronic acids, porphyrins, phthalocyanines, ionic liquids, dendrimers, and many other chemical building blocks. FSI develops compounds for small molecule drug discovery, SAR studies, and lead optimization. FSI provides standard catalog products (www.frontiersci.com) with production quantities generally from the milligram to kilogram scale. FSI is a privately held corporation headquartered in Logan, Utah. **1200**

**Future Science Group**, Unitec House, 2 Albert Place, London, United Kingdom N3 1QB, Internet: www.future-science-group.com The Future Science Group is an expanding group of independent publishing companies active in the field of scientific information and endeavor, currently composed of Expert Reviews, Future Medicine and Future Science. As a leading provider of products and services for the medical, scientific and business communities, we save customers time and money by presenting the most important scientific breakthroughs in an accessible and evaluated format, while at the same time providing the scientific community with unique vehicles for disseminating forward-thinking research information and data. **213**

**Galbraith Laboratories Inc.**, 2323 Sycamore Dr, Knoxville, TN 37921, 877-449-8797 toll free, fax: 865-546-7209, e-mail: labinfo@galbraith.com, Internet: www.galbraith.com Galbraith Laboratories, Inc. is an independent analytical testing laboratory specializing in chemical analysis. Over 60 years of service performing analytical testing on most sample types to trace levels for elements on the Periodic Table. Galbraith performs testing on raw materials to finished products. Organic/Inorganic. Pharmaceutical testing. Assays/monographs. Regulated studies. Method development/validation. Technical, regulatory and industry-specific expertise. ISO 17025 certified (www.galbraith.com/iso17025.pdf for scope of accreditation). FDA registered. GLP/cGMP compliant. IC, GC, ICP, ICP-MS, HPLC, FTIR, GFAA/FLAA, CVAA, and more. **218**

## EXPOSITION

**Gamry Instruments**, 734 Louis Drive, Warminster, PA 18974, 877-367-4267, fax: 215-682-9331, e-mail: info@gamry.com, Internet: www.gamry.com Gamry will be demonstrating the Reference family of Potentiostats. These high-performance instruments can perform all electrochemical techniques. We cover standard physical electrochemistry techniques such as cyclic voltammetry and chronoamperometry as well as electrochemical impedance spectroscopy and newly introduced specialty software for batteries, fuel cells, and supercapacitors. We'll also be showing DigiElch 5 Electrochemical Simulation Software for Cyclic Voltammetry, Chronoamperometry, Square Wave Voltammetry, and Electrochemical Impedance Spectroscopy simulation. We also have a complete line of electrochemical cells including Dr Bob's Cell, the EuroCell Electrochemical Cell, the Multiport Corrosion Cell, the new ParaCell Corrosion Cell, and the new VistaShield Faraday Cage. **1208**

**Welch Ilmav**, 5621 West Howard St., Niles, IL 60714, 847-676-8800, fax: 847-677-8606, e-mail: gdwelchvacuum.com, Internet: www.welchvacuum.com. **1418**

**Gaussian**, 340 Quinipiac Street, Building 40, Wallingford, CT 06492, 203-284-2501, fax: 203-284-2521, e-mail: info@gaussian.com, Internet: www.gaussian.com Gaussian, Inc. is the world leader in electronic structure computational chemistry programs. The Gaussian series of programs is available on every major computing environment, from PCs to supercomputers, and it is currently used in a wide variety of industrial, governmental and academic research settings worldwide. Gaussian, Inc. will be demonstrating the latest versions of Gaussian and GaussView. **1024**

**Gaylord Chemical Co.**, 106 Galeria Blvd., Slidell, LA 70459, 800-426-6620, fax: 985-649-0068, e-mail: info@gaylordchem.com, Internet: www.gaylordchemical.com Gaylord Chemical Company is the leading manufacturer of Dimethyl Sulfoxide (DMSO) and Dimethyl Sulfide (DMS). We are the only producer of DMSO in the Americas. Our products are important reaction solvents in organic synthesis and in the life sciences (medicinal chemistry, compound storage and drug delivery). Industrial applications for DMSO include polymer manufacturing / processing, along with specialized applications in petrochemical production. Various grades of material are available for your specific application including Procipient® (Dimethyl Sulfoxide USP, PhEur) for human and veterinary drug delivery systems. Our technical service scientists and content rich website are available to assist with your immediate challenges. **1132**

**Gelest, Inc.**, 11 East Steel Road, Morrisville, PA 19067, 215-547-1015, fax: 215-547-2484, Internet: www.gelest.com Gelest Inc. headquartered in Morrisville, PA, USA was founded in 1990 to serve the advanced technology applications markets and is recognized worldwide as an innovator, manufacturer and supplier of commercial and research chemicals to include organosilicon and other organo-metallic materials. The company has focused its research and development efforts toward expanding the offering of Group 4A and 4B analogs and offers the most comprehensive selection of silane, silicone and metal-organic materials in the world. **1212**

**Genevac, an SP Scientific Brand**, 935 Mearns Road, Warminster, PA 18974, 845-687-5303, fax: 845-267-2212, Internet: www.SPscientific.com Whenever there is a requirement for evaporation or concentration, Genevac has the solution. Genevac has outpaced the competition by partnering with customers to understand the obstacles involved in using centrifugal evaporation/concentration systems. The Genevac equipment range – the Rocket, EZ-2, miVac and HT\_Series – contains breakthrough technology designed to make the equipment more robust and easier for operators to use. This technology provides better results, typically in a shorter amount of time. Accessories such as the Sam-

pleGenie, the Speed Trap, Cool Heat Technology and the Sample Guard are just a few of the items that make Genevac centrifugal evaporators the industry leaders. **431**

**GenTech Scientific, Inc.**, 23 Mill St., Arcade, NY 14009, 585-492-1068, fax: 585-492-0383, e-mail: www.sales@gentechscientific.com, Internet: www.GenTechScientific.com GenTech Scientific is a diversified analytical equipment company dedicated to providing quality new and refurbished instruments and service to the scientific community. We specialize in sales and service of Gas Chromatographs, High Performance Liquid Chromatographs, and Mass Spectrometers along with Atomic Absorption, ICP and Spectrophotometers. GenTech offers instrument service and extensive parts and accessory inventory on most major manufacturers such as Agilent, Shimadzu, Perkin Elmer, Varian, Thermo, and Waters. Need Training? GenTech Technical Institute. The most comprehensive training courses available for learning basic GC, HPLC and MS operation, Sample Preparation, Calibration, Analysis, GC/HPLC Theory, along with GC/HPLC Method Familiarization. **1407**

**Georg Thieme Verlag KG**, Ruedigerstr. 14, Stuttgart, Germany 70469, 49-711-8931-772, fax: 49-711-8931-777, e-mail: marketing@thieme-chemistry.com, Internet: www.thieme-chemistry.com Thieme Chemistry publishes highly evaluated information about synthetic and general chemistry for professional chemists and advanced students since 1909. Our portfolio of products includes the well known journals SYNFACTS, SYNLETT and SYNTHESIS, the renowned synthetic methodology reference work Science of Synthesis, ROEMPP, the largest and most renowned chemical encyclopedia published in German, as well as a selected range of monographs. Most of our content is also available as electronic products, used by chemists worldwide in industry and academia. **507**

**Geosyntec**, 289 Great Rd., Suite 105, Acton, MA, United States 01720, 978-263-9588, fax: 978-263-9594, e-mail: craymond@geosyntec.com, Internet: www.geosyntec.com Geosyntec is a specialized consulting and engineering firm that provides specialized technologies to address our clients' new ventures and complex problems involving the environment, our natural resources, and our civil infrastructure. Geosyntec has a staff of over 750 engineers, scientists, and related technical and project support staff located in more than 40 offices throughout the U.S. and in Canada, Malaysia, Australia and the United Kingdom. Our applied research partnerships with leading universities, NASA, U.S. EPA, the Department of Defense, and others are producing more efficient methods to respond our clients' most difficult situations. **752**

**Gerstel, Inc.**, 701 Digital Drive, Suite J, Linthicum, MD 21090, 410-247-5885, fax: 410-247-5887, Internet: www.GERSTELus.com We manufacture LC, GC, GC/MS, and LC/MS solutions designed to optimize performance, enhance productivity, and extend laboratory capabilities. Since 1967 GERSTEL automation systems have enabled analysts to achieve ultra-low detection levels in complex matrices using standard LC and GC instrumentation; dramatically increase sample throughput and analytical productivity; simplify and minimize sample preparation; and analyze many types of challenging samples. As a Premier Solution Partner with Agilent Technologies, GERSTEL fully integrates instrumentation to provide complete system solutions for challenging analytical problems. **1404**

**Glas-Col**, 711 Hulman Street, Terre Haute, IN 47802, 812-235-6167, fax: 812-234-6975, Internet: www.glascol.com New, Microcentrifuge Tube Mixer replicates finger vortexing with green technology. We excel with concentrators and evaporators for quick, efficient removal of solvents. Glas-Col offers one of the largest selections of heating mantles and custom heating jackets in the world plus a full line of temperature controls and monitors. Glas-Col, LLC offers

a range of safety accessories such as Glovebags, safety shields, flow monitors and lead stability products. **536**

**Glass Contour Solvent Systems**, 25 Front Street, Suite 303, Nashua, NH 03064, 603-598-0691, fax: 603-598-0689, e-mail: info@glasscontoursolventsyste.ms.com, Internet: www.glasscontoursolventsyste.ms.com. **1236**

**GOW-MAC Instrument Co.**, 277 Brodhead Rd., Bethlehem, PA 18017, 610-954-9000, fax: 610-954-0599, e-mail: sales@gow-mac.com, Internet: www.gow-mac.com Gas chromatography (GC) instruments, GC detectors, and GC software for educational, laboratory and industrial applications. Other products include gas leak detectors, gas analyzers, trace gas analyzers, aromatic hydrocarbon analyzers, total hydrocarbon analyzers, moisture analyzers, and specialty gas handling systems. Standard and corrosion resistant instruments available. Instruments engineered for hazardous locations and duties are also offered. **515**

**Grace Davison Discovery Sciences**, 2051 Waukegan Road, Deerfield, IL 60015, 847-948-8600, fax: 847-948-1078, e-mail: discovery.sciences@grace.com, Internet: www.discovery.sciences.com. **614**

**Harrick Scientific**, 141 Tompkins Ave., 2nd Floor, P.O. Box 277, Pleasantville, NY 10570, 800-248-3847, fax: 914-747-7209, e-mail: info@harricksci.com, Internet: www.harricksci.com Manufacturing a full line of spectroscopic accessories for transmission, specular reflection, diffuse reflection, and ATR for the UV/Vis, NIR, and Mid-IR. Announcing our new Video MVP, a Monolithic Diamond ATR accessory with built-in camera. See our selection of temperature-controllable cells for transmission, diffuse reflection, ATR, and specular reflection of solids, liquids, and gases. Featuring our VariGATR for monolayer determinations on silicon and metal substrates, our versatile family of fiber optic accessories, and our cost effective AccessATR for teaching and quality control laboratories. **750**

**Heidolph Brinkmann LLC**, 1241 Jarvis Avenue, Elk Grove Village, IL 60007, 224-265-9600, Internet: www.heidolphbrinkmann.com Heidolph Instruments founded in 1938 as a manufacturer of precision drive motors and engineering, is a manufacturer of premium laboratory equipment with expertise in rotary evaporation, as well as shakers, overhead stirrers, peristaltic pumps, and magnetic hotplate stirrers. We believe in "Research made easy" and all Heidolph products come with a 3 year warranty. Heidolph Brinkmann USA specializes in pre-sales and post-sales support of the Heidolph, Tuttner, Radleys, and AirClean Systems product lines out of Chicago, IL. Scientists are locally supported in the field by 9 field sales specialists. Contact a local representative to learn more about us! **1225**

**Hellma USA, Inc.**, 80 Skyline Drive, Plainview, NY 11803, 516-939-0888, fax: 516-939-0555, e-mail: info@hellmausa.com, Internet: www.hellmausa.com Manufacturer of Hellma Photometer Cells and Accessories, Fiber Optic Immersion Probes, Photometric Calibration Standards, Quartz Microplates. Expanded line of Process probes good to 35 bar, 300C. Unmatched selection of stock and custom Cells. Supplier: Heraeus Light Sources including Deuterium, Hollow Cathode, Photoionization, Spectral Line; Zeiss MMS/MCS Miniature Spectrometers covering 190-2200nm in combination; Tec5 electronics for display/readout of PDAs and CCDs. NEW: Cylindrical and Flat optics for Laser and other applications to Lambda/10, TrayCell for analysis 0.7ul, Fiber Optic Reflection Probe. **1118**

**Heterocyclics, Inc.**, 347 Plainfield Avenue, Suite 101, Edison, NJ, United States 08817, 732-444-6336, fax: 732-444-4326, e-mail: info@heterocyclics.com, Internet: www.heterocyclics.com Heterocyclics is on the move generating

novel ideas and synthesizing new molecular entities. Its main activity is concentrated on developing building blocks with multi point reactivity which can serve as common core for library synthesis. It is also engaged in the cost effective production of rare & specialty chemicals by highly capable and dedicated group of chemists with a commitment to quality, reliability and punctuality. **1133**

**Hidden Analytical Inc.**, 37699 Schoolcraft Road, Livonia, MI 48150, 734-542-6666, fax: 734-542-6030, e-mail: info@hiddeninc.com, Internet: www.HiddenAnalytical.com An extensive range of high performance quadrupole mass spectrometers for plasma characterization, surface science applications, precision gas analysis and vacuum diagnostics. Showcasing systems for residual and process gas analysis, catalysis studies, combinatorial chemistry and reaction kinetics. For atmospheric gas studies the QIC-20 offers the latest in fast response inlet technology, wide dynamic detection range and baseline resolution. Introducing CatLab, a unique, integrated microreactor and mass spectrometer system for characterization and evaluation of catalysts or general thermal studies of evolved species. **310**

**Hielscher USA, Inc.**, Ultrasound Technology, 19 Forest Rd., Ringwood, NJ 07456, 973-616-9136, fax: 973-616-9131, e-mail: usa@hielscher.com, Internet: www.hielscher.com Hielscher manufactures ultrasonic devices that are used for lab samples, pilot scale processing or industrial full scale production. This includes ultrasonic devices for the ultrasonication of any liquid volume, from several microliters through hundreds of cubicmeters per hour. Hielscher ultrasonic laboratory devices are compact, easy-to-use and extremely versatile. They can be used for the processing of a variety of organic and inorganic materials in a wide range of volumes. Typical applications of ultrasonic homogenizers include sample preparation, disintegrating and cell lysis, homogenizing, dispersing and disaggregation, particle size reduction and the acceleration of chemical reactions (sonochemistry). **214**

**Hirschmann, Inc.**, 2700 Holloway Road, Bluegrass Industrial Park, Suite 104, Louisville, KY 40299, 502-240-0287, fax: 502-240-0394, e-mail: michael@hirschmann-inc.com, Internet: www.hirschmann-inc.com **650**

**Hitachi High Technologies**, 5100 Franklin Drive, Pleasanton, CA 94588, 800-548-9001, fax: 925-218-2900, e-mail: sales-us@hitachi-hita.com, Internet: www.hitachi-hita.com/LSHome Hitachi High Technologies America, Inc. assists researchers in finding solutions to their scientific instrument requirements. We are committed to providing the highest quality scientific instruments to the North American market. We support thousands of satisfied customers with a wide range of reliability-proven analytical instrumentation, including Liquid Chromatography, Amino Acid Analyzers, UV-Vis/NIR and Fluorescence Spectroscopy Systems, and LC/MS systems. **1213**

**HORIBA Scientific**, 3880 Park Avenue, Edison, NJ 08820-3012, 732-494-8660, fax: 732-549-5125, e-mail: info.sci@horiba.com, Internet: www.horiba.com/scientific HORIBA Scientific (comprising Jovin Yvon, SPEX, and IBH), is the global leader in fluorescence and Raman. Macro and microscope solutions feature the most sensitive steady state and lifetime (both phase and TCSPC) spectrofluorometers, and highest performance, most flexible Raman systems for every budget. Also smallest spot microXRF system. **230**

**HUBER-USA**, 271 Main Street, Northport, NY 11768, 631-912-0800, e-mail: maggie@huber-usa.com, Internet: www.huber-usa.com Huber-USA has an extensive line of heaters and chillers, both bath type and closed systems. Our Unistat thermostats cover a range of -120°C to 400°C. Cooling powers are from .7 kW to 130 kW and heating powers are from 1.5 kW to 80 kW. **204**

**IKA Works, Inc.**, 2635 North Chase Pkwy, SE, Wilmington, NC 28405, 9104527059, fax: 9104527693, e-mail: rbilgic@ika.net, Internet: www.ika.net The IKA® Group is a global market leader for laboratory equipment, analytical and process technology. Magnetic stirrers, overhead stirrers, dispersers, shakers, mills, rotary evaporator, calorimeters, laboratory reactors and incubation shakers make up the laboratory and analytical equipment's portfolio. While the process technology section offers solutions for production scale stirring, mixing and kneading applications. The company is headquartered in Staufen, Germany, with subsidiaries in USA, China, India, Malaysia and Japan. **1311**

**IMA Life**, 2175 Military Rd., Tanawanda, NY 14150, 716-695-6354, fax: 716-695-6367, e-mail: josephine.gentile@imalife.com, Internet: www.ima.it A global supplier of automated processing equipment for vials, ampoules and syringes. Equipment range includes rotary and linear washers, depyrogenation tunnels, liquid and powder fillers, freeze-dryers, loading/unloading systems, cappers and labelers. We provide solutions for laboratory, pilot and commercial processing needs. **1414**

**Indofine Chemical Co.**, 121 Stryker Lane, Hillsborough, NJ 08844, 908-359-6778, fax: 908-359-1179, e-mail: chemical@indofinechemical.com, Internet: www.indofinechemical.com Indofine, established in 1981, is committed to providing high quality rare organic molecules, biochemicals and natural products for the advancement of science. We provide custom synthesis, contract research and process development and toll manufacturing in the areas of Flavonoids, coumarins, acetophenones, benzophenones, chromones, fluoroorganics, heterocyclics and natural products for the pharmaceutical, agricultural and life science industries. Please visit our new websites: tollmanufacturing.com, contractresearch.com, flavorsand fragrances.com, rareorganics.com, benzophenones.com, acetophenones.com and coumarins.com for more information. **512**

**InfoChem GmbH**, Landsberger Strasse 408, Munich, Germany 81241, 49-89-583002, fax: 49-89-5803839, e-mail: info@infochem.de, Internet: www.infochem.de InfoChem is a software company for cheminformatics, specialized in storage and retrieval of structure and reaction information. InfoChem's Chemistry Cartridge for Oracle (ICCartridge) constitutes a central part of our search and management technology. The Reaction Classification Algorithm "CLASSIFY" is the most powerful tool available for structuring and linking large reaction databases. ICSYNTH is InfoChem's novel synthesis prediction tool. The "Mining for Chemistry" initiative provides automated extraction of chemical compounds from unstructured data and images. Through SPRESI-web users can access one of the largest structural and reaction databases worldwide containing 8,0 million compounds and 4,0 million reactions (SPRESI). **915**

**Innovative Technology**, 2 New Pasture Road, Newburyport, MA 01950, 978-462-4415, fax: 978-462-3338, e-mail: info@gloveboxes.com, Internet: www.gloveboxes.com Innovative Technology, Inc. is a leading worldwide manufacturer of inert atmosphere Glovebox systems and Solvent Purification Systems. Headquartered in Newburyport, MA we have been supplying customers with the highest quality systems for over 25 years. In addition to our standard glovebox systems we offer custom gloveboxes tailored to individual requirements and free standing gas purifiers that can be used to upgrade older systems. Our industry-leading PureSolv Solvent Purification Systems deliver dry, de-oxygenated solvent at the turn of a valve, eliminating hazardous and time-consuming thermal distillation processes. NEW PRODUCT: PureLab Glovebox. Come and see our re-designed PureLab glovebox system. **1201**

**Int'l Centre for Diffraction Data**, 12 Campus Blvd., Newtown Square, PA 19073, 610-325-

9814, fax: 610-325-9823, e-mail: info@icdd.com, Internet: www.icdd.com ICDD's material identification databases are designed for rapid materials identification and interfaced with diffractometers and data analysis systems of the world's leading software developers and manufacturers of X-ray equipment. The File is available in PDF-2 Release 2010 (230,346 entries); PDF-4+ 2010 (301,282 entries) featuring digitized patterns, molecular graphics and atomic parameters; PDF-4/Minerals 2010 (36,036 entries); and PDF-4/Organics 2010 (406,773 entries) designed to identify organic and organometallic materials. ICDD promotes the application of materials characterization methods by sponsoring the Denver X-ray Conference; its proceedings, *Advances in X-ray Analysis and the Journal, Powder Diffraction*. **649**

**Inte:Ligand Software**, Mariahilferstrasse 74B/11, Vienna, Austria A-1070, 43-699-1507-5252, fax: 43-181-7495-51371, e-mail: office@inteligand.com, Internet: www.inteligand.com Inte:Ligand Software & Consulting assists scientists and management in the pharmaceutical, cosmetic and life science industries to improve their efficiency in identifying new bio-active molecules. We do this by developing and delivering innovative scientific software and expert consulting services. With 20 years of experience in pharmacophore technology, our goal is to facilitate the process of prioritizing compounds for further experimental assessment. We offer products for building fragment based virtual chemical libraries, knowledge-based tools for activity profiling and LigandScout, a fully integrated pharmacophore modeling and virtual screening platform. **543**

**Interchim Inc.**, 1536 West 25th St., Suite 452, San Pedro, CA 90732, 800-560-8262, fax: 310-802-3877, e-mail: gtodosiev@interchiminc.com, Internet: www.interchim.com Interchim is a global company which manufactures chromatography products for purification, analytical and sample preparation. The column product range is comprised of Flash, Prep, SPE, UPLC, and HPLC. Instruments for purification include the first Flash system to withstand pressures of 435 psi / 30 bar. The company has introduced high efficiency Flash Cartridges which run three times faster than conventional columns. Flash columns are available in 30 different bonded phases for normal and reverse phase, ion-exchange and chiral chromatography. The company continues to introduce innovative products to support the demands of speed and efficiency for discovery and analytical chemists. **1128**

**Izon Science Ltd.**, P.O. Box 20189, Bishopdale, Christchurch 8053, New Zealand, 64-3-3574270, fax: 64-3-3574273, e-mail: caroline@izon.com, Internet: www.izon.com Izon is a New Zealand-based nanotechnology company which has developed instrumentation for nanoscale particle analysis applications including sizing, size distribution measurement, concentration analysis and real-time particle-particle interaction monitoring. The basis of Izon's instrumentation is a unique, dynamically tunable nanopore technology platform. This is world-leading in offering an affordable, robust and highly flexible technology for real-time particle detection, quantitation and characterisation at the nanoscale across a wide range of applications. Researchers around the world in subject disciplines ranging from virology and biological particle analysis to synthetic nanoparticle measurement and real-time reaction monitoring are currently using Izon's technology. **1148**

**J-KEM Scientific**, 6970 Olive Blvd., St. Louis, MO 63130, 800-827-4849, fax: 314-863-6070, Internet: www.jkem.com Temperature control, robotics, and custom automation equipment. Digital temperature controllers regulate any volume (0.1ml to 100L) or piece of equipment to 0.1 degree with ramping and USB communications. Digital vacuum regulator eliminates mercury. Precision syringe pump dispenses as a function of time, temperature, and pH with microliter accuracy. Solution Phase Reaction Sta-

## EXPOSITION

tion. **CUSTOM** laboratory robotics at **AFFORDABLE** prices. New Matrix vial weighing station with 0.01mg balance and 2D scanner for under \$22,000. Custom robotics for weighing, Capping/Uncapping, solid and solution phase synthesis, reforming, cherry picking, and Solid Phase Extraction (SPE) with flow rate and solvent level control. **901**

**JEOL USA, Inc.**, 11 Dearborn Road, Peabody, MA 01960, 978-535-5900, fax: 978-536-2205, e-mail: salesinfo@jeol.com, Internet: www.jeolusa.com. JEOL is a global leader of NMR, GC/MS, LC/MS, and electron optical instrumentation used for scientific research and industrial applications. JEOL provides innovative technologies and products, including our high-resolution exact mass AccuTOF-DART mass spectrometer which allows analysis in open air at atmospheric pressure and ground potential with no solvent or sample preparation required. Information on all JEOL products will be available in booth #508. **508**

**Jiangsu Zhengtai Medicine Co., Ltd.**, 1 Jiangteng Rd., Beixin Chemical Park, Qidong, Jiangsu, 226221, 510-760-8543, e-mail: jansenbaxter@yahoo.com. Our company engages in the development, manufacture and sale of a range of antibiotic raw intermediate materials and active pharmaceutical ingredients (APIs) worldwide. The company's specialty Materials of segment offers quality antibiotic materials for antibiotic and pharmaceutical industry, chemical processing and intermediates. The company was founded in 2003 and is headquartered in Jiangsu, China. **1329**

**John Wiley & Sons, Inc.**, 111 River St., 4-02, Hoboken, NJ 07035, 201-748-6000, Internet: www.wiley.com. John Wiley & Sons provides state-of-the-art chemical information to students, educators, researchers, and scientists worldwide. Stop by Booth #700 as often as you can: we have activities planned each day to introduce you to leading pioneers in chemistry, stimulate your imagination, and expand your possibilities. We'll have a wealth of print and electronic books, journals, major references, and databases on display. Let us show you how these products help you build your knowledge, practice your science safely, and make your own discoveries. **700**

**Journal of Visualized Experiments**, 48 Grove Street, Suite 305, Somerville, MA, United States 02144, Internet: www.jove.com. The Journal of Visualized Experiments (JoVE) is a peer reviewed, PubMed indexed journal devoted to the publication of biological research in a video format. **545**

**JULABO**, 754 Roble Road, Suite 180, Allentown, PA 18109, 760-842-8010, fax: 760-842-8015, Internet: www.julabo.com. The Temperature Control Company, offers a wide selection of liquid temperature control equipment including: Water Baths, Recirculating Chillers, Immersion Coolers, Calibration & Visco Baths, Heating and Refrigerated Circulators, and the new Presto Plus Highly Dynamic Temperature Control Systems providing up to 36 kW of heating power and 30 kW of cooling power. All JULABO products carry a 2-year warranty. North American customers are supported from JULABO USA facilities in Allentown, PA and Vista, CA. Our JULABO certified service department also provides planned maintenance, IQ/OQ, installation/training and service plans. **1017**

**Kalexyn, Inc.**, 4502 Campus Dr., Kalamazoo, MI 49008, 269-488-8488, fax: 269-488-8490, e-mail: info@kalexyn.com, Internet: www.kalexyn.com. Kalexyn provides premium services to companies worldwide with experienced medicinal chemists: IP-enabling medchem SAR, custom synthesis, stable label synthesis, early API scale-up and process improvement. Full analytical capabilities onsite. We deliver: Real medicinal chemistry: Most CROs have chemists with little experience in medicinal chemistry. Medchem is a skill that results from years of

experiential learning. Problem solving: Able to problem solve tough synthetic challenges in conjunction with clients. You can ask them. Communication: Information is provided in an agreed upon, timely manner to the client. Our international client base from Osaka to Vienna is reflective of our successful communication skills. **1038**

**KNF Neuberger**, 2 Black Forest Road, Trenton, NJ 08691-1810, 609-890-8600, fax: 608-890-8323, e-mail: knfusa@knf.com, Internet: http://www.knf.com/lab. Introducing a new especially user-friendly SIMDOS liquid dosing lab pump. Easily programmed and controlled using the clear display and single turn/press knob. Calibration is quick, and accuracy is  $\pm 2\%$ , repeatability  $\pm 1\%$ . Pumps at a rate of 1-100 ml/min or dispense volumes from 1- 1,000 ml, it is suited to pumping neutral and aggressive liquids. Also, KNF's wireless SC920 vacuum pump system provides precise vacuum regulation. Adjust from outside fume hood, quickly determine BP. Laboport PTFE vacuum pumps are environment friendly, oil-free, compact, lightweight with low maintenance and cost of ownership. **740**

**Krüss America, LLC**, 1020 Crews Road, Suite K, Matthews, NC 28105, 704-847-8933, fax: 704-847-9416, e-mail: jrc@krussusa.com, Internet: www.kruss.info. KRÜSS is a manufacturer of surface science equipment for research, development, educational, and quality control labs. We provide instrumentation for the measurement of contact angle, surface tension, interfacial tension, surface energy and many other surface properties. KRÜSS supports a full line of surface Tensiometers and Contact Angle Meters and provide you with expert guidance through your surface related questions to meet any surface science need that you might have. **1301**

**Kyowa Interface Science Co., LTD**, 5-4-41 Nobitome, Niiza-City, Saitama 352-0011 Japan, 81-48-483-2629, fax: 81-48-483-2702, e-mail: info@face-kyowa.co.jp, Internet: face-kyowa.com. **1232**

**LABCONCO, Corp.**, 8811 Prospect Avenue, Kansas City, MO 64132, 816-333-8811, fax: 816-363-0130, e-mail: labconco@labconco.com, Internet: www.labconco.com. Labconco has been manufacturing world-class fume hoods and laboratory equipment since 1925. We will be introducing our new Protector Glove Box at the ACS Fall Meeting. **539**

**Laboratory Equipment**, 100 Enterprise Drive, Suite 600, Rockaway, NJ 07866, 973-920-7000, Internet: www.laboratoryequipment.com. Laboratory Equipment is the #1 product resource for lab professionals. We offer a monthly magazine, annual directory and Lab Trends/Profile issue, a daily newsletter (Lab News Daily), website and two designated supplements, Chromatography Techniques and the Academic Source Guide. Laboratory Equipment has been dedicated to providing news and information on new products, technologies and trends for over 47 years. Free subscriptions available at our booth. **209**

**Lab X/Lab Manager Magazine**, 478 Bay Street, Midland, ON L4R 1K9, Canada, 888-781-0328, fax: 705-528-0270, e-mail: labx@labx.com, Internet: www.labx.com. LabX.com was founded in 1995 to provide a forum where buyers and sellers of new, used, surplus, and refurbished scientific and laboratory equipment could find items, negotiate terms, and complete transactions online. LabX has evolved as a highly specialized business-to-business marketplace where scientific equipment and supplies can be bought and sold. Professionals from all industries visit LabX to buy and sell equipment and supplies. While 85% of our customers are from North America, LabX enjoys a worldwide user base that includes Europe, Asia, Central and South America, and Australia. **216**

**LaserFest**, LaserFest is a celebration of the 50th anniversary of the first working laser, honoring those who made possible the discovery, devel-

opment and application of the laser. Using the laser as an example, LaserFest illustrates the importance of scientific discovery and technological innovation as well as informs students, educators, legislators, funding agencies, and the general public about the laser's economic impact and how it affects our daily lives. LaserFest is organized by Found Partners: The Optical Society, the American Physical Society, SPIE and IEEE Photonics Society. Stop by Booth #1333 to get involved and to celebrate the laser. **1333**

**LAUDA-Brinkmann, LP**, 1819 Underwood Blvd., Delran, NJ 08075, Internet: www.lauda-brinkmann.com. LAUDA-Brinkmann, located in Delran, NJ, is the largest of LAUDA's six global subsidiaries. Headquartered in Lauda Königshofen, Germany, LAUDA is the leading manufacturer of temperature control equipment and systems, and highly precise measuring instruments, used in a broad range of research, development and production capacities. Founded in 1956, LAUDA has more than 50 years of experience developing premium temperature control equipment and analytical measuring devices including water baths, low and high temperature circulators, chillers, industrial heating and cooling systems and process viscosity instruments. Our products provide precise temperature control from -100°C to +400°C with up to 20kW of cooling capacity. **940**

**LCGC Magazine**, 485F US Highway One South, Suite 100, Iselin, NJ 08830, 732-346-3085, fax: 732-596-0003, Internet: http://www.chromatographyonline.com. **836**

**LECO Corporation**, 3000 Lakeview Avenue, St. Joseph, MI 49085, 269-985-5496, fax: 269-982-8977, e-mail: info@leco.com, Internet: www.leco.com. Recognized globally as a leader in the development of elemental determinators and separation science instrumentation. Our products resolve complex samples and pioneer high throughput using GCxGC, GCxGC-TOFMS, and GC-TOFMS; perform elemental determination in organic materials; and provide primary analysis of organic constituents such as moisture, protein, fat, and ash. We also feature instrumentation and equipment for C/H/N/S/O determination in metals/inorganic applications by combustion/inert gas fusion, as well as glow discharge atomic emission spectrometry (GD-AES). **202**

**M. BRAUN, Inc.**, 14 Marin Way, Stratham, NH 03885, 603-773-9333, fax: 603-773-0008, e-mail: info@mbraunusa.com, Internet: www.mbraunusa.com. MBRAUN designs and manufactures the most advanced, highest quality inert atmosphere gloveboxes, gas purifiers, solvent purification systems, thin film deposition equipment, evaporators and vacuum chambers available on the market today. Please stop by booth 400 and or call 603-773-9333 to learn more about the products and services offered by MBRAUN USA. **400**

**Malvern Instruments, Inc.**, 117 Flanders Road, Westborough, MA 01581, 508-768-6400, fax: 508-768-6403, e-mail: info@malvernusa.com, Internet: www.malvern.com. **751**

**Maruzen Co., Ltd.**, 40 Seaview Dr., 2nd Floor, Secaucus, NJ 07094, 201-865-4400, fax: 201-865-4845, Internet: www.maruzen.info/hgs. Maruzen International Co., Ltd (MIC) is the leading distributor of globally renowned HGS Molecular Model. The company is located in Secaucus, NJ, Manufactured in Japan, HGS molecular model has attracted researchers, educators, and students all over the world for over 40 years. This subtle and professionally manufactured model has very wide variety of options, which will suit any type of research/ educational activities in the broad fields of chemistry, pharmacology etc. **535**

**Massaging Insoles**, 5222 Carriage Lane, Salisbury, MD 21801, United States, 866-301-3338, Internet: www.massaginginsoles.com. **1240**

**Materia, Inc.**, 60 N. San Gabriel Blvd., Pasadena, CA 91107, 626-584-8400, fax: 626-584-1984, Internet: [www.materia-inc.com](http://www.materia-inc.com) Materia was founded in 1998 to commercialize olefin metathesis catalyst technology. This Nobel Prize-winning technology enables chemical compounds to be synthesized with greater efficiency, under less stringent reaction conditions, and with reduced byproducts and hazardous waste. Metathesis has been accepted as an emerging "green technology" platform and has been broadly adopted by the pharmaceutical, chemical, and polymer industries. Materia has developed an extensive intellectual property portfolio, which includes over 350 issued and pending patents covering not only catalyst composition and manufacture, but also methods of using the technology to perform a wide variety of transformations and compositions of certain products. **1326**

**Matrix Scientific**, P.O. Box 25067, Columbia, SC 29224, 803-788-9494, fax: 803-788-9419, e-mail: [sales@matrixscientific.com](mailto:sales@matrixscientific.com), Internet: [www.matrixscientific.com](http://www.matrixscientific.com) New research chemical intermediates and building blocks CD-ROM catalog available for 2010 featuring over 45,000 items; many novel to Matrix. The CD-ROM catalog is available with a SDF file. Featured are amino acids, boronic acids, fluorine compounds, sulfonyl chlorides, pyrimidines, indoles, (trifluoromethyl)pyridines, etc. Over 18,000 building blocks! Products find application in pharmaceutical, agrochemical, polymer, coatings and pure and applied research. Principals have over 45 years of experience in the manufacture and supply of quality products for research and development. **408**

**MeasureNet Technology**, 4240 Airport Road, Cincinnati, OH 45226, 866-396-6765, fax: 866-209-8111, e-mail: [info@measurenet-tech.com](mailto:info@measurenet-tech.com), Internet: [www.measurenet-tech.com](http://www.measurenet-tech.com) 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 30 students 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 probe. MeasureNet users can integrate GCs, HPLCs, and calorimeters for advanced laboratory. **1145**

**Merck & Co./Merck Publishing Group**, PO Box 2000, RY84-15, Rahway, NJ 07065, 732-594-4600, fax: 732-388-3610, Internet: [www.merckbooks.com](http://www.merckbooks.com) The Merck Index celebrates 120 years as Chemistry's Constant Companion® - The 14th Edition of this invaluable handbook includes a companion CD and a FREE one year personal subscription to the CSC Internet Edition! Purchase your copy now and receive a special show discount. Come explore the online versions - now updated with new monographs containing DOIs and PubMed IDs. For more information please visit us at <http://www.merck.com>. **1332**

**Mestrelab Research SL**, Feliciano Barrera, 9B-Baixo, Santiago de Compostela, Spain 15706, 34-881-976-775, fax: 34-981-941-079, e-mail: [info@mestrelab.com](mailto:info@mestrelab.com), Internet: [www.mestrelab.com](http://www.mestrelab.com). **440**

**Metrohm USA, Inc.**, 6555 Pelican Creek Circle, Riverview, FL 33578, 800-727-6768, fax: 813-316-4900, e-mail: [info@metrohmusa.com](mailto:info@metrohmusa.com), Internet: [www.metrohmusa.com](http://www.metrohmusa.com) Visit the bigger, better, and more customer-focused Metrohm USA! Expanded local sales and service personnel as well as 4 fully functional applications labs provide you with the best instruments and support. Featured products include: Metrohm titration

and automated analysis systems, customizable process analyzers, ion chromatography systems, pH/ion meters and electrodes, instruments for voltammetry measurements and oxidative stability testing; Autolab potentiostats and galvanostats; VELP Scientifica Kjeldahl analyzers, block digesters and solvent extractors for fat/fiber determination; Yamato spray dryers. **425**

**Mettler-Toledo**, 1900 Polaris Parkway, Columbus, OH 43240, Internet: [www.mt.com](http://www.mt.com) METTLER TOLEDO is a leading global manufacturer of precision instruments. The Company is the world's largest manufacturer and marketer of weighing instruments for use in laboratory, industrial and food retailing applications. The Company also holds top-three market positions in several related analytical instruments markets and is a leading provider of automated chemistry systems used in drug and chemical compound discovery and development. Additional information about METTLER TOLEDO can be found at [www.mt.com/lab](http://www.mt.com/lab). **1315**

**Microbac Laboratories, Inc.—STRL Division**, 3809 Airport Dr., Northwest, Wilson, NC 27896, 252-237-4175, fax: 252-237-9341, email: [walter.hogg@microbac.com](mailto:walter.hogg@microbac.com). **231**

**Microfluidics Corp.**, 30 Ossipee St., P.O. Box 9101, Newton, MA 02164-9101, 617-969-5452, fax: 617-965-1213. **1312**

**MicroLAB, Inc.**, 1600 Ellis Street, Suite 1B, Bozeman, MT 59718, 406-586-3274, fax: 406-586-3582, Internet: [www.microlabinfo.com](http://www.microlabinfo.com) College and University chemistry faculty are running a balancing act. Our enrollments are up and our budgets are limited. How can we improve course content, build inquiry skills, reduce chemical cost, and serve a lot more students in our labs? MicroLab's patented FS-522 high resolution laboratory interface can help. The FS-522 provides, in an affordable package and with a small footprint, almost every measurement required for general chemistry - pH, temperature, pressure, REDOX, conductance, voltage, and more. MicroLab's integrated 360-940 nm FASTspec™ scanning spectrophotometer simultaneously measures absorbance, fluorescence, scatter, transmission, and turbidity. **634**

**Micromeritics Instrument Corp.**, 4356 Communications Drive, Norcross, GA 30093, 770-662-3633, fax: 770-662-3696, e-mail: [ussales@micromeritics.com](mailto:ussales@micromeritics.com), Internet: <http://www.micromeritics.com> Micromeritics is a leading supplier of materials characterization analytical laboratory instrumentation and services. The company manufactures a broad line of automated laboratory instruments that measure physical characteristics of powders and solids for fundamental research, product development, quality assurance and control, production, and process control applications. Measurements obtained include particle size, particle shape, surface area, pore volume, pore size and pore size distribution, material density, catalytic activity, and temperature-programmed reactions. Micromeritics markets an auxiliary selection of materials characterization instruments under its Particle Systems brand. Micromeritics operates Micromeritics Analytical Services and Micromeritics Pharmaceutical Services, both providing contract sample analyses and consulting services. **418**

**Microptix Technologies**, 284 Main St., Suite 400, Wilton, ME 04294, 207-645-3600, fax: 207-645-3633, e-mail: [jcristeler@microptixtech.com](mailto:jcristeler@microptixtech.com) **127**

**Microtrac Inc.**, 12501-A 62nd St. North, Largo, FL 33773, 727-507-9770, fax: 727-507-9774, Internet: [www.microtrac.com](http://www.microtrac.com) Complete line of particle size characterization systems. The Nano-trac's using dynamic light scatter for high concentration nanometer sizing from .0008-6.5 microns with zeta potential options, also our S3500 laser diffraction based analyzers and Bluewave blue laser diffraction, utilizing 3 solid state lasers for easy, accurate particle analysis from .01-3000

microns. Quick wet to dry conversions. Imaging, Surface Area, SEM and spray sizing systems are now available. **1044**

**Miele**, 9 Independence Way, Princeton, NJ 08540, 800-991-9380, fax: 609-419-4241, e-mail: [labquestions@mieleusa.com](mailto:labquestions@mieleusa.com), Internet: [www.labwashers.com](http://www.labwashers.com) Miele is the world renowned leader in critical cleaning applications and a leading manufacturer of laboratory glassware washers. From undercounter units for in-lab use to large capacity systems for central wash areas, Miele can provide a washer to fit your specific needs. We're faster, greener and safer than the competition. Our laboratory glassware washers outclean the competition with faster cycle times, less water consumption and more safety features. Designed, built and tested to provide years of active service, Miele also outlasts other brands. **308**

**Milestone, Inc.**, 25 Controls Drive, Shelton, CT 06484, 866-995-5100, fax: 203-925-4241, e-mail: [jap@milestonesci.com](mailto:jap@milestonesci.com), Internet: [www.milestonesci.com](http://www.milestonesci.com) Milestone Inc. offers a complete suite of productivity tools for microwave sample preparation allowing chemists to obtain the highest throughput for metals digestions and accelerated organic extractions. Milestone Inc. also offers the latest in direct mercury analysis, on-demand acid purification, ultra-trace cleaning for ICP/ICP-MS tools, microwave ashing, and microwave synthesis. **119**

**Millipore Corp.**, 290 Concord Road, Billerica, MA 01821-7037, 800-645-5476, fax: 800-645-5439, Internet: [www.millipore.com](http://www.millipore.com) Millipore is a Life Science leader providing cutting-edge technologies, tools, and services to support customers at every step of bioscience research and biopharmaceutical manufacturing. While our lab water specialists provide individualized water purification systems, our life science experts streamline workflows for cell biology, immunodetection, and analytical research. Customers benefit from innovative new products for preparing protein samples, sterile solutions, and Western blots, all from a supplier they trust. **414**

**Modular SFC, Inc.**, 842 Upper Union Street, #3, Franklin, MA, United States 02038, (508) 520-4000, fax: (508) 520-4094, e-mail: [infor@modularsfc.com](mailto:infor@modularsfc.com), Internet: [www.modularsfc.com](http://www.modularsfc.com) Modular SFC has introduced the Centrifan™ PE Personal Evaporator designed for medicinal and other synthetic chemists who need to evaporate small quantities of reaction mixtures during chemical synthesis. The instrument is centrifuge-like to protect sample purity and yield and uses proprietary recirculating evaporation to dry samples in 20 mL scintillation vials. The technique eliminates vacuum pumps and external supplies of blow down gas. Measuring only 7 inches on a side, the compact instrument provides a safe, green alternative to typical blow down concentrators that release evaporated solvent up the hood and into the atmosphere. **1149**

**Nacalai USA, Inc.**, 6640 Lusk Blvd., Suite A200, San Diego, CA 92121, 858-404-0403, fax: 858-404-0408, e-mail: [info@nacalaiusa.com](mailto:info@nacalaiusa.com), Internet: [www.nacalaiusa.com](http://www.nacalaiusa.com) COSMOSIL chromatography product line includes analytical and preparative reversed-phase columns, HILIC columns, as well as unique stationary phases such as the Cholesterol (cholesterol group bonded), PYE (pyrenylethyl group bonded) and pai-NAP (naphthylethyl group bonded). In addition, COSMOSIL C18-MS-II and Cholesterol is available in 2.5 micron particles for Ultra-Fast Liquid Chromatography. COSMOSIL Buckyprep (pyrenylpropyl group bonded) and PBB (pentabromobenzyl group bonded) columns are well recognized worldwide for fullerene separation. We also provide unique biochemical products including high quality sialic acid-related products, plant extract-related products and unnatural amino acids. **749**

**Nagase & Co.**, 1-1-17, Shinmachi, Nishi-ku, Osaka, Japan 550-8668, 81-6-6535-2325, fax: 81-6-6535-2480, e-mail: [hiroshi.nonoguchi@](mailto:hiroshi.nonoguchi@)

nagase.co.jp, Internet: [www.nagase.co.jp/pharma](http://www.nagase.co.jp/pharma) Nagase has developing unnatural amino acids, especially alpha-, or alpha, alpha-substituted amino acids by using unique asymmetric phase transfer catalyst, so called Maruoka Catalyst for the building block of the medicinal chemistry. We prepare and sell about 70 items of unique unnatural amino acid library under from gram to ton scale. Moreover we can develop the new unnatural amino acid under the customer basis. Recently our unnatural amino acids are useful for stapled peptide, precursor of the PET diagnostic reagent, and other biological materials. **338**

**NanoAndMore USA, Inc.**, 9 James F. Byrnes St., Lady's Island, SC 29907, 843-521-1108, fax: 843-521-1148, Internet: [www.nanoandmore.com](http://www.nanoandmore.com) NanoAndMore is the North and South American distributor of the best known for quality AFM probe manufacturers. This includes NANOSEN-SORS, NanoWorld, BudgetSensors, nanotools and sQube. We also sell scientific instruments such as: Digital Holographic Microscopes (DHM) from Lyncée tec and a price/performance line of Digital Optical Microscopes. The DHM comes in transmission and reflection models. It is the only commercially available DHM in the world and captures 3D images and movies in real time. Transmission models can capture simultaneous phase and fluorescence data in real time. Reflection models can dynamically track the movement of the fastest MEMS devices. **610**

**Nanonics Imaging Ltd.**, Manhat Technology Park, Malcha, Jerusalem, Israel 91487, 972-2-6789-573, fax: 972-2-6480-827, Internet: [www.nanonics.co.il](http://www.nanonics.co.il) Raman/AFM pixel-by-pixel chemical/structural nanocharacterization. Unique protocols for tip enhanced Raman scattering (TERS) and SERS. Ultimate resolution AFM/NSOM/SPM systems including the first multi-probe systems, with environmental control and fully integrated with optical or electron microscopes. Ultra Soft bio-SPM/NSOM Multiprobe imaging with the Nanonics Hydra™, with non-optical highly sensitive tuning fork feedback in liquid. Ultra-low temperature 100K SPM/NSOM Systems fully integrated with Optical Microscopy & microRaman. AFM controlled gas/liquid chemical lithography coupled to capillary zone electrophoresis. Widest choice of cantilevers from standard silicon to a NanoTool Kit™ of cantilevered glass probes including The NanoFountainPen™, Nanoheater™ with differential scanning calorimetry, NanoOptical and SECM probes. **1109**

**Nanoscience Instruments**, 9831 South 51st Street, Suite C119, Phoenix, AZ 85044, 888-777-5573, fax: 480-940-3941, e-mail: [info@nanoscience.com](mailto:info@nanoscience.com), Internet: [www.nanoscience.com](http://www.nanoscience.com) Nanoscience Instruments provides the most innovative surface analysis tools for research and education. We'll feature the user-friendly Nanosurf easyScan2 Atomic Force Microscope which offers unparalleled reliability, mobility, and price/performance ratio. A new FlexAFM scan head expands the capabilities of the easyScan2 systems - adding more operational modes AND liquid imaging, all while maintaining the easyScan's ease of use. Our AFM add-on products include post-processing software and low-cost yet high-performing vibration isolators. We also carry a huge variety of standard and specialty AFM probes for just about any application or budget, plus Thiol/Dithiol chemicals for Au surface modification and AFM probe functionalization. **917**

**NanoSight**, 6660 N High Street, Suite 2A, Worthington, OH 43085, Internet: [www.nanosight.com](http://www.nanosight.com) NanoSight manufactures instruments for Counting, Sizing and Visualizing Nanoparticles from 10 nm to 2.0 µm. Nanoparticle Tracking Analysis (NTA) technology measures Diffusion Coefficients of individual nanoparticles or viruses and determines the Count, Size & concentration. Direct Visualization of the nanoparticles are displayed and a video of the particles being measured is created. Options are available for fluorescence measurements. **1049**

**Nat'l Res. Council/ Nat'l Academies**, Fellowship Programs, 500 5th St., NW, Washington, DC 20001, 202-334-2760, fax: 202-334-2759, e-mail: [jdellammo@nas.edu](mailto:jdellammo@nas.edu), Internet: [www.national-academies.org/rap](http://www.national-academies.org/rap) Graduate, Postdoctoral and Senior Research Opportunities. The National Research Council of the National Academies offers awards to graduate, postdoctoral and senior researchers for independent research to be conducted in residence at participating U.S. federal laboratories and affiliated institutions. Awards include a competitive stipend, relocation, professional travel, and health insurance. Annual application deadlines are February 1, May 1, August 1 and November 1. Instructions and online applications are at <http://www.national-academies.org/rap>. For further information and discussion, see the NRC representative at booth #949 in the exhibit hall. **949**

**National Library of Medicine**, 8600 Rockville Pike, Bethesda, MD 20894, 301-496-3147, fax: 301-480-3537, e-mail: [tehip@tehl.nlm.nih.gov](mailto:tehip@tehl.nlm.nih.gov), Internet: <http://sis.nlm.nih.gov> The National Library of Medicine provides FREE Internet access to environmental health information at <http://sis.nlm.nih.gov/enviro.html>. Resources include the TOXNET® databases; Haz-Map - occupational disease database; Tox Town - guide to toxic chemicals and environmental health; Household Products Database - guide to everyday products; and TOXMAP® - U.S. maps showing environmental release of toxic chemicals. **1027**

**Nature Publishing Group**, 75 Varick Street, 9th Floor, New York, NY 10013, 212-726-9200, fax: 212-696-9006, Internet: [www.nature.com](http://www.nature.com) Nature Publishing Group brings leading scientific and medical research to your desktop. The NPG portfolio combines the continued excellence of Nature, its associated research, review journals and over 45 leading academic and society journals in the life, physical and clinical sciences. Visit Booth 609-611 for free sample copies. **609**

**NavCour**, 605 Clague Parkway, Bay Village, OH 44140, 440-409-0085, fax: 440-409-0086, e-mail: [mollieporter@pharmedcorp.com](mailto:mollieporter@pharmedcorp.com). **340**

**The Nest Group, Inc.**, 45 Valley Rd., Southborough, MA 01772-1323, 800-347-6378, fax: 508-485-5736, Internet: [www.nestgrp.com](http://www.nestgrp.com) The Nest Group, Inc., supplies protocols, applications and pricing information as distributors of Capillary & HPLC columns (Higgins Analytical: TARGA, CLPEUS, PHALANX, PLRP-S, PROTO, PTC; SeQuant ZIC-HILIC; Vydad, PolyLC, YMC); Biotech AB: Knitted Open Tubular (KOT) Reactors and Proteomic Calibration Kits; Cerex Positive Pressure System-96 SPE; Micro-dialysis (BioDialyser, 96-Well Dialysis & Equilibrium Dialysis Plates), and MicroSample SPE (MiniSpin RPC & SCX) for LC-MS desalting on our site: <http://www.nestgrp.com> Tel: 508-481-6223 or 800-347-6378 Fax: 508-485-5736. **1035**

**Netzsch Instruments North America, LLC**, 37 North Ave., Burlington, MA 01803, 781-272-5353, fax: 781-272-5225, e-mail: [nib-sales@netzsch.com](mailto:nib-sales@netzsch.com), Internet: [www.e-Thermal.com](http://www.e-Thermal.com) Thermal analysis & thermal properties instruments, new MMC 274 Nexus(R) benchtop reaction calorimeter, & contract testing services: DSC, DTA, TGA, Simultaneous DSC/DTA-TGA (STA) from sub-ambient to +2400C, w. new STA 449 F1 featuring world-leading 25 nanogram resolution and dual-furnace capability, coupling to FTIR & MS for evolved gas analysis, DMA, TMA (new TMA 402 F1), DEA for thermoset cure monitoring, thermal conductivity and laser flash thermal diffusivity, thermal hazards assessment by adiabatic reaction calorimetry (ARC), Dilatometers for high accuracy thermal expansion, plus a fully-equipped contract services laboratory in Burlington, MA. **210**

**New Era Enterprises**, P.O. Box 747, Vineland, NJ 08362-0747, 800-821-4667, fax: 856-697-8727, Internet: [www.newera-spectro.com](http://www.newera-spectro.com) Infrared optics-windows, lenses, ATR elements and optical coatings; Liquid, solid, gas transmission

accessories; Internal, specular and diffuse reflectance accessories; HATR crystal plate mount and liquid transmission cell reconditioning. Ultraviolet, Visible, Fluorescence supplies and accessories. NMR sample tubes from micro to large diameter MRI cells, screw thread, tip-off, pressure valve and non-glass sample cells; capillary systems for very limited sample; RDC sample preparation and measurement supplies and accessories; EPR/ESR quartz sample tubes. AA and ICP sampling supplies and accessories. **312**

**NIH-RAID (National Institutes of Health)**, 6001 Executive Blvd., Room 2141, Bethesda, MD 20852, 301-594-4660, e-mail: [nih-raid@mail.nih.gov](mailto:.nih-raid@mail.nih.gov), Internet: [commonfund.nih.gov/raid](http://commonfund.nih.gov/raid) This NIH-wide program makes available, at no cost, certain critical resources needed for the development of new therapeutic agents. Available services include: production, bulk supply, GMP manufacturing, formulation, development of an assay suitable for pharmacokinetic testing, and animal toxicology. Assistance also will be provided in the regulatory process, through access to independent product development planning expertise. NIH-RAID is not a grant program; successful projects will gain free access to the government's contract resources, as well as the assistance of the NIH in establishing and implementing a product development plan. **513**

**NIST**, 100 Bureau Drive, Stop 2300, Gaithersburg, MD 20899-2300, 301-975-3774, fax: 301-926-0416, e-mail: [diane.decker@nist.gov](mailto:diane.decker@nist.gov), Internet: [www.nist.gov/srm](http://www.nist.gov/srm) NIST/Measurement Services Division NIST Standard Reference Materials supports accurate and compatible measurements by certifying and providing over 1100 Standard Reference Materials with well-characterized composition or properties, or both. SRMs are used to perform instrument calibrations as part of overall quality assurance programs, verify the accuracy of specific measurements and support the development of new measurement methods. The Standard Reference Data Group has provided well-documented numeric data to scientists and engineers for use in technical problem-solving, research, and development. The Calibration Services are designed to help the makers and users of precision instruments achieve high levels of measurement quality and productivity. **735**

**Nu Chek Prep., Inc.**, P.O. Box 295, 109 West Main Street, Elysian, MN 56028, 507-267-4444, fax: 507-267-4790, e-mail: [brian@nucheckprep.com](mailto:brian@nucheckprep.com), Internet: [www.NU-CHEKPREP.COM](http://www.NU-CHEKPREP.COM) Nu Chek Prep prepares highly purified lipids for your research needs. This includes fatty acids, esters, glycerides, alcohols, soaps, wax esters, alkyl methane sulfates, and GLC and TLC standards. Purity is >99% via GC FID and TLC analysis. Nu Chek Prep has been preparing lipids for over 40 years. **313**

**NuVant Systems, Inc.**, Purdue Technology Ctr. of NW Indiana, 9800 Connecticut Dr., Crown Point, IN 46307, 219-644-3231, fax: 787-587-3746, e-mail: [lindasueram@aol.com](mailto:lindasueram@aol.com), Internet: [www.nuvant.com](http://www.nuvant.com) NuVant Systems Inc., founded in 1999, is located at the Northwest Indiana Purdue Research Foundation Technology Center at 9800 Connecticut Drive, Crown Point, Indiana. NuVant develops and integrates catalysts and electrolytes for stationary and portable fuel cells, and has commercialized patented instrumentation that enables accurate high-throughput characterization of electrode assembly components under normal device operating conditions. NuVant also manufactures and sells low cost, high performance research-grade electrochemical instruments directly to academic and industrial customers. In addition, NuVant provides gas-diffusion layers, polymer electrolytes, single cell fuel cells and all the necessary equipment for preparation of high performance fuel cell electrodes. **941**

**Oakwood Products Inc.**, 1741 Old Dunbar Road, West Columbia, SC 29172, 803-739-8800, fax: 803-739-6957, e-mail: [sales@oakwoodchemical.com](mailto:sales@oakwoodchemical.com), Internet: [www.oakwoodchemical.com](http://www.oakwoodchemical.com).

com Oakwood Products, a manufacturer and distributor, supplies research chemicals to the pharmaceutical, agrochemical and materials research communities. Oakwood's product listing contains over 20,000 items, including many unique building blocks and reactive intermediates. Routine synthetic work includes sulfur tetrafluoride chemistry as well as most routine transformations. Oakwood provides custom synthesis services from kilo-lab through pilot scale at both of our sites in South Carolina. Oakwood distributes for ASV, ChemCollect, Chess and Tetramer Technologies, LLC. **911**

**Ocean Optics, Inc.**, 830 Douglas Avenue, Dunedin, FL 34698, 727-733-2447, fax: 727-733-3962, e-mail: info@oceanoptics.com, Internet: www.OceanOptics.com As the inventor of the world's first miniature spectrometer, Ocean Optics has become a world leader in optical oxygen sensing, providing spectrometers, sensors, optical fibers, software and more. **207**

**OLIS, Inc.**, 130 Conway Drive, Suites ABC, Bogart, GA 30622-1724, 706-353-6547 or 800-852-3504, fax: 706-353-1972, e-mail: sales@olisweb.com, Internet: www.olisweb.com Optical Spectroscopy Equipment for Investigators and Instructors with Higher Expectations. Absorbance and fluorescence scanning on Live Whole Cells with an Olis CLARITY. Up to 7 types of spectra simultaneously on an Olis MultiScan. Highest quality optics, best modern electronics, and powerful software equip our clients with "stopping points on the tour of the lab." We construct these endlessly upgradeable spectrophotometers around our unique rapid-scanning and Hummingbird monochromators. We continue to modernize timeless Cary, SLM, Aminco, and HP optical benches, and to offer accessories for stopped-flow, flash photolysis, chemical titration, and thermal studies. Raise your expectations to an Olis and get better results! **413**

**OmegaChem Inc.**, 480, rue Perreault, St-Romuald, Quebec, G6W 7V6, Canada, 418-837-4444, fax: 418-837-5196, Internet: www.omegachem.com OmegaChem is a Canadian privately owned company, located in the Quebec-City metropolitan area. Since 1988, we supply the Pharmaceutical Industry with our catalog of Fine Chemicals and a wide range of value added services to customers located in over 30 countries worldwide. Our main field of expertise covers the development and production of Fluorinated Compounds and Building Blocks, such as natural amino acid derivatives, functionalized heterocycles. Our R&D and Production teams, consisting of a majority of Ph.D. level chemists, highly experienced in organic synthesis, offer our customers their expertise in Custom Synthesis, Process Optimization. **211**

**Omni International, Inc.**, 935-C Cobb Place Blvd., Kennesaw, GA 30144, 800-776-4431, fax: 770-421-0206, Internet: omni@omni-inc.com For 25 years Omni has been the world leader in HOMOGENIZER technology. Omni's superior line of benchtop mechanical shear, ultrasonic, and bead mill homogenizers allow researchers to process virtually any sample, quickly and efficiently. Omni Tip™ plastic probes eliminate the risks of cross-contamination, sample loss and carryover typically associated with other methods. Our multi-sample homogenizing solutions save valuable time and money by eliminating the bottlenecks caused by standard homogenizers. Visit Omni at www.omni-inc.com. **1135**

**OpenEye Scientific Software**, 9 Bisbee Ct, Suite D, Santa Fe, NM 87508, 510-748-9909, fax: 505-473-0833, Internet: www.eyesopen.com. **1319**

**Optibrium Ltd.**, 7226 IQ Cambridge, Beach Drive, Cambridge, United Kingdom CB25 9TL, Internet: www.optibrium.com Optibrium's StarDrop™ software platform helps drug discovery scientists to guide decisions to select and design high quality compounds, improving efficiency and productivity by quickly focusing resources on chemistries with a high chance of down-

stream success. Intuitively assess predicted and experimental data against your objectives, exploring your project's full chemical space to identify compounds with a good balance of properties. Interactively explore new ideas, guided by StarDrop's *Glowing Molecule™* visualisation to improve compound properties. Also, pick up a copy of StarVue™, Optibrium's free desktop application for browsing compound structures and data. Look at your compounds in a new way! **848**

**Optima USA, Inc.**, 2256-B Landmeier Road, Elk Grove Village, IL 60007, Internet: www.optimajp.com Optima Inc. is a manufacturer of NMR Sample Tubes. The NMR tubes produced by Optima Inc. are in no way inferior to the high-quality products of other companies in quality and durability because of special thermal treatment. However, mass production of sample tubes for world market made it possible to use them with very competitive price. The Optima's NMR sample tubes deliver the comfortable, stress-free environment the users deserve. The main characteristics of the tubes are reinforced material and ultra precision with exceptional price. **936**

**Organix Inc.**, 240 Salem Street, Woburn, MA 01801, 781-932-4142, fax: 781-933-6695, e-mail: blundell@organixinc.com, Internet: www.organixinc.com Organix is an internationally recognized CRO that conducts Hit-to-Lead Programs, Structure Activity Programs, and Custom Synthesis in organic and medicinal chemistry. Organix owns a modern fully equipped facility designed specifically for synthetic organic chemistry. The company is staffed by Ph.D. Organic Chemists. Clients include pharmaceutical companies, biotechnology companies, diagnostic companies, and polymer companies. We are licensed by the DEA to conduct research and manufacture of controlled substances. Organix has 24 years of experience in all structural classes, including aromatics, heterocycles, amino acids, beta-lactams, opioids, steroids, terpenes, tropanes. Come to Organix for Excellence in Chemistry, Outstanding Communications, and Exceptional Partnerships. **445**

**OriginLab Corp.**, One Roundhouse Plaza, Suite 303, Northampton, MA 01060, 800-969-7720, fax: 413-585-0126, e-mail: sales@originlab.com, Internet: www.originlab.com OriginLab is a leading developer of scientific graphing and analysis software. Origin 8.1 is an easy-to-use software application that provides powerful data analysis and publication-quality graphing capabilities tailored to the needs of scientists and engineers. Origin's tools include peak-analysis and curve-fitting, over 60 customizable graph types, analysis templates, and batch-processing, all within a tightly integrated workbook environment. **330**

**Oxford Diffraction**, 10 Mead Road, Oxford Industrial Park, Yarnton, Oxford, United Kingdom OX5 1QU, 44-1865-291600, fax: 44-1865-291601, e-mail: sales@oxford-diffraction.com, Internet: www.oxford-diffraction.com Oxford Diffraction was spun out of Oxford Instruments plc in 2001 in order to develop, manufacture and supply analytical instrumentation for X-ray crystallography. The company emerged from a successful alliance between Oxford Instruments and a dynamic company in Wroclaw, Poland, called Kuma Diffraction, which itself had spun out from the Polish Academy of Sciences in 1993. Oxford Diffraction has grown extremely rapidly and now has over 250 X-ray systems for chemical and protein crystallography installed world-wide. Having been acquired in April 2008, Oxford Diffraction is now a part of Varian, Inc. **1405**

**Oxford Instruments America, Inc.**, 300 Baker Avenue, Suite 150, Concord, MA 01742, 978-369-9933, fax: 978-369-8287, e-mail: nancy.crouch@oxinst.com, Internet: www.oxford-instruments.com Oxford Instruments Magnetic Resonance develops and manufactures cost-effective instrumentation for quality assurance, industrial R & D, and basic academic research. Since the 1960's Oxford Instruments' low-field

NMR has been the fastest and easiest technique available for accurately determining oil and fat content of a variety of foods, including olives, oilseeds, snack foods, chocolate, margarine and animal feed. It is widely used in textile manufacturing to measure spin finish oils. NMR uses no hazardous chemicals and is non-destructive, allowing repeated sample measurements. Research applications include MRI contrast agents, petrochemicals, polymers, and pharmaceuticals for diffusion, porous media, and hydration studies. **1126**

**Oxford University Press**, 198 Madison Avenue, New York, NY 10016, Internet: www.oup.com/us Oxford University Press is a leading academic and higher education publisher in chemistry and the proud publishing partner of ACS. Visit our booth 603 to see our newest including New Membranes and Advanced Materials for Wastewater edited by Mueller et al, Ionic Liquids: From Knowledge to Application, the 3rd Edition of the ACS Style Guide edited by Coghill, and many more. **603**

**Pacificchem 2010**, Pacificchem Secretariat, ACS, 1155 16th Street, NW, Washington, DC, Internet: www.pacificchem.org The 6th International Chemical Congress of Pacific Basin Societies will host another outstanding program in Honolulu, Hawaii, December 15 – 20, 2010. Stop by the Pacificchem Booth to meet staff from the Honolulu Convention Center and the Pacificchem conference and exposition to discuss the upcoming meeting. Information on the Congress can be found at www.pacificchem.org. Pacificchem 2010 is jointly sponsored by the American Chemical Society, the Canadian Society for Chemistry, the Chemical Society of Japan, the New Zealand Institute of Chemistry, the Royal Australian Chemical Institute, the Korean Chemical Society, and the Chinese Chemical Society. **934**

**Park Systems, Inc.**, 3040 Olcott St., Santa Clara, CA 95054, 408-986-1110, fax: 408-986-1199, e-mail: sung@parkafm.com, Internet: http://www.parkafm.com/ The XE-100 is our flagship AFM with reduced drift rate and the Step-and-Scan Automation that provides the ultimate AFM/SPM performance in Non-Contact nanoscale metrology. It is a mid-priced system for materials science, polymers, electrochemistry and other applications in nanoscience and engineering. It can adopt a wide range of optical coupling with its open side access. **434**

**Parr Instrument Co.**, 211 53rd Street, Moline, IL 61265, 309-762-7716, fax: 309-762-9453, e-mail: parr@parrinst.com, Internet: www.parrinst.com For over 100 years, Parr Instrument Company has been engaged exclusively in the design, manufacture and sale of laboratory instruments and apparatus for testing fuels and for conducting chemical reactions and tests under heat and pressure. Parr Instrument Company features Laboratory Reactors and Pressure Vessels, stirred and unstirred, for use at elevated temperatures and pressures in catalytic hydrogenation, organic synthesis, polymerization, and other chemical processes. Also featured are Oxygen Combustion Bomb Calorimeters for the determination of the heat of combustion in solid, liquid and refuse derived fuels, and Sample Preparation Equipment used in the acid digestion process for trace metal analysis. **1101**

**Particle Sizing Systems**, 8203 Kristel Circle, Port Richey, FL 34668, 727-846-0866, fax: 727-846-0865, e-mail: donna@pssnicomp.com, Internet: pssnicomp.com Achieve unprecedented resolution and accuracy with the Nicomp DLS Submicron Particle Size analyzer and the AccuSizer SPOS Single Particle Optical Size analyzer. These instruments provide particle sizing solutions covering a range 0.6 nm – 6000 microns for wet/dry applications. Depending on your size range, both can provide critical information about the particle size and counts of your sample with unprecedented resolution, accuracy, and sensitivity. Modular accessories are available with both platforms. Image analysis and

zeta potential analyzers that provide information about your powder process behavior are also available. **407**

**PCI Synthesis**, 9 Opportunity Way, Newburyport, MA 01950, 978-426-5555, e-mail: dianne.o'keefe@pcisynthesis.com PCI Synthesis is a custom chemical manufacturer of new chemical entities (NCEs), generic APIs, and other specialty chemical products. PCI Synthesis offers a turnkey solution for all the steps needed to develop a final API, including process research, process development, analytical development, process validation, regulatory support, and FDA filing. PCI Synthesis operates two FDA inspected cGMP sites in the greater Boston area. The company has its headquarters and commercial manufacturing facilities located in Newburyport, MA while its small scale manufacturing and R&D facility is located in Devens, MA. **339**

**Pearson**, One Lake Street, Upper Saddle River, NJ 07458, 201-236-5887, fax: 201-236-5888, Internet: www.pearsonhighered.com Pearson, the global leader in education and education technology, is committed to providing quality content, assessment tools, and educational services, for millions of students and their instructors. Pearson continues to transform education and change the way students learn by offering innovative online resources and learning applications, such as Mastering Chemistry®. **149**

**Photon Technology International, Inc.**, 300 Birmingham Road, P.O. Box 272, Birmingham, NJ 08011-0272, 609-894-4420, fax: 609-894-1579, Internet: www.pti-nj.com PTI, the leader in fluorescence instrumentation, is displaying the QM-4 spectrofluorometer with signal-to-noise 10000:1, which makes it the most sensitive steady state fluorometer on the market. It can accommodate fluorescence lifetime option with pulsed lasers or LEDs, programmable temperature controller, polarizers, NIR detectors and many other accessories. Other instruments include the QM-300 - a revolutionary bench-top pulsed single-shot fluorometer ideal for lanthanides, phosphorescence and general fluorescence, which can measure up to 500 decays per second and the EasyLife family of turn-key LED-based lifetime fluorometers offered either with a choice of robust and affordable strobe or traditional TCSPC detection. **1306**

**PID Analyzers, LLC**, 780 Corporate Park Dr., Pembroke, MA 02359, 781-709-2131, fax: 781-709-2050, e-mail: pidgirl@gmail.com, Internet: www.pid.bz PID Analyzers is the leading manufacturer of photoionization based analytical instrumentation used in portable, process and laboratory detection worldwide. We design and manufacture GC detectors that can be added on to existing HP5890, 6890, Varian and other Laboratory GC's. Our detector electronics can be interfaced to many GCs. Our laboratory Gas Chromatograph (Model 322) and Portable GC (Model 312) can have any of the following two detectors installed: PID, FID, FPD, TCD, COD, FUV for ppb to % levels of VOCs, sulfur compounds, fixed gases. Our advanced electronic technology allows us to interface virtually any type of sensor to our electronics. **1136**

**PIKE Technologies**, 6125 Cottonwood Drive, Madison WI 53719, 608-274-2721, fax: 608-274-0103, Internet: www.piketech.com **1136**

**PNAS (Proceedings-Nat'l. Academy of Sciences)**, 500 5th St., N.W., Suite NAS 340, Washington, DC 20001, 202-334-1396, fax: 202-334-1346, e-mail: jbradley@nas.edu, Internet: WWW.PNAS.ORG **648**

**Polymer Standards Service-USA Inc.**, 43 Jefferson Blvd., Suite 3, Warwick, RI 02888, 401-780-8884, fax: 401-780-8824, Internet: http://pssgpcshop.com PSS focus on the science, the development and teaching of Size Exclusion Chromatography (SEC) (Gel Permeation Chromatography: GPC), to measure the molar mass, property distributions and structure of polymers and bio-polymers. Manufacture polymers of

known molecular weight, SEC separation columns, and software: WinGPC Unity for data acquisition and processing; PSS contract testing lab analyzes thousands of samples each year, applying multiple detection techniques including GPC-Viscometry, GPC-Light Scattering; PSS supplies turn-key instrumentation and detectors, method & applications development; custom synthesis of polymers or copolymers; visit http://pssgpcshop.com. **437**

**Postnova Analytics, Inc.**, 230 South 500 East, Suite 120, Salt Lake City, UT 84102, 801-521-2004, fax: 801-521-2884, e-mail: st@postnova.com, Internet: www.postnova.com Postnova Analytics is the leading manufacturer of Field Flow Fractionation (FFF) instruments. Our AF2000 MT Temperature controlled Asymmetrical Flow FFF is the most advanced FFF instrument for separation and characterization of macromolecules (500-1012 Da) and colloids/particles (0.001-40 micron). Postnova CF2000 Sedimentation FFF provides the highest possible resolution for metal and metal oxide colloids/particles (0.01-40 micron) and liposomes. Postnova TF2000 Thermal FFF instrument is an excellent tool for separation of polymers (104-108 Da), micro-gels, particles in organic solvent and rubber particles. Gravitational and Centrifugal SPLITT are a continuous preparative (mg to g quantities) particle separation tools for nanoparticles and particles. **416**

**PreSens Precision Sensing GmbH**, Josef-Engert-Str. 11, Regensburg, Germany 93053, 49-941-942-72-100, fax: 49-941-942-72-111, e-mail: info@presens.de, Internet: www.presens.de PreSens Precision Sensing GmbH was founded in 1997 and combines long-time experiences of researchers in the fields of electronic engineering and sensor development. During the last 13 years PreSens became one of the leading companies in the field of chemical-optical sensors. We offer systems incl. dissolved oxygen measurement in gases and liquids; non-invasive online pH and oxygen measurement, oxygen and pH sensors for single-use bioreactors, micro sensors for pH and oxygen, process control in shaking flasks, low-maintenance DO measurement for fermentation and bioreactor systems as well as online oxygen and pH measurement in disposables like multiwell plates and plastic bags. **748**

**Qorpak**, Corporate One West, 1195 Washington Pike, Bridgeville, PA 15017, 412-257-3100, fax: 412-257-3001, Internet: www.qorpak.com Qorpak® division of Berlin Packaging features a full line of glass & plastic bottles and borosilicate sample & chromatography vials. Our quality labware includes PYREX® tubes & flasks, scales & balances, mixers & shakers, Whatman® filtration products, pH buffers, reagents and media. We now have a large selection of chemical handling and cleanroom gloves. Value added services include specialized kit assembly, pre-cleaned containers, bottle capping, specialized case pack configurations and labeling. Stop by booth #511 for more information or visit our on-line store at www.qorpak.com. Qorpak® is ISO 9001:2000 certified. **511**

**Qsonica**, 53 Church Hill Rd., Newtown, CT 06470, 203-426-0101, fax: 203-426-7026, e-mail: marc@sonicator.com, Internet: www.sonicator.com Qsonica (formerly known as Misonix), manufacturers Sonicator ultrasonic liquid processors. Applications include dispersing and deagglomerating nano-materials, homogenization, sample preparation, particle size reduction and sonochemistry. New options are available for small(microliters) to large scale (liters/min) sample processing. **1040**

**Quark Glass**, P.O. Box 2396, Vineland, NJ 08362-2396, 800-955-0376, fax: 856-455-3373, e-mail: sales@quarkglass.com, Internet: www.quarkglass.com Quark Glass has been committed to delivering the highest quality product at the most affordable prices in the industry since 1983. Quark is a manufacturer of laboratory glassware and direct supplier of many accesso-

ries used in conjunction with our glassware. Our company operates with minimal overhead, which allows us to pass significant savings onto our customers. With this simple philosophy, we are leading the way towards becoming the pre-eminent glassware supplier in the scientific industry. **200**

**Reaction Analytics Inc.**, 2711 Centerville Road, Suite 5992, Wilmington, DE 19008, 858-472-2393, e-mail: administrator@ichemexplorer.com, Internet: www.ichemexplorer.com iChemExplorer adds heating and stirring to the Agilent HPLC autosampler so you can do chemistry in the sample vial. iChemExplorer acquires chromatographic data to display as Peak Profiles - lines that follow peak area from one sample to the next so you can see your chemistry happen - and then exports the results to Microsoft Excel to cut and paste into Windows-compatible applications such as Word, PowerPoint and electronic lab notebooks. Come by the Reaction Analytics booth to see the iChemExplorer or visit our website at www.ichemexplorer.com. Thanks. **439**

**Reichert, Inc.**, 3362 Walden Ave., Depew, NY 14043, 716-686-4512, fax: 716-686-4545, Internet: www.reichertspr.com Reichert Technologies has been an industry leader for over a century, introducing sophisticated instruments for the field, the laboratory, and for scientific discovery. Reichert Technologies has brought its wealth of optical experience and commitment to quality to its surface plasmon resonance (SPR) systems. These powerful instruments are designed for cutting-edge research and scientific discovery in areas such as biochemistry, molecular biology, pharmacology, and surface chemistry. Reichert's SPR systems provide real-time measurements of molecular interactions for applications in all life science disciplines (e.g., kinetics, affinity) in addition to applications in chemistry (e.g., electrochemistry, mass spectrometry). **1211**

**Remspec Corporation**, 512 Leadmine Road, Sturbridge, MA 01566, 508-248-1462, fax: 508-248-1463, Internet: www.remspec.com Remspec's suite of FTIR-based reaction-monitoring tools include ReactionView®: a compact, integrated system for real-time reaction monitoring, with VizIR™ data-collection and analysis software. As a lower-cost option, you can turn your lab FTIR into a reaction-monitoring system with the ReactionProbe™. Our ReactionSleuth™ reaction analysis package gives you a set of sophisticated tools to develop reaction profiles, calculate principal components (factors) and "synthetic spectra" using a simple visual interface. We also offer FTIR-based surface analysis systems using mid-IR fiber optics for both simple and grazing-angle reflectance spectroscopy. **1239**

**Research in Germany**, American Friends of AvH, 1012 14th Street, N.W., Washington, DC 20005, 202-783-1907, fax: 202-783-1908, e-mail: info@americanfriends-of-avh.org, Internet: www.daad.org The Research in Germany initiative primarily aims to strengthen the networks that exist between German research institutions and our strategic partners worldwide. A further goal involves inspiring the world's best minds in research and development to come to Germany to carry out their projects - and then to make the most of the resulting opportunities that open up for both sides. The overall goal is to encourage more international cooperation in science and research. **953**

**Richman Chemical Inc.**, 768 North Bethlehem Pike, Lower Gwynedd, PA 19002, 216-628-2946, fax: 215-628-4262, e-mail: clk@richmanchemical.com, Internet: www.richmanchemical.com Richman Chemical Inc. (RCI) provides expert project management for all chemical and pharmaceutical outsourcing requirements, focusing on value-added custom synthesis and processing solutions. Knowledgeable chemical sourcing staff can locate difficult-to-find chemical compounds at any scale. Richman Chemical's customers benefit from the experience, out-

standing reputation, and extensive manufacturing network RCI has to offer. This foundation allows the customer to receive the highest quality outcome for the final, outsourced process and/or material, typically saving time and money. Visit our website to learn more about us. Meet our Project Managers at Booth 1018 in Boston. **1018**

**Rigaku Americas Corp.**, 9009 New Trails Drive, The Woodlands, TX 77381, 281-362-2300, fax: 281-364-3628, Internet: www.rigaku.com Rigaku Americas Corporation provides the world's most complete line of X-ray diffraction and X-ray fluorescence instruments and components, including benchtop XRD, WDXRF and EDXRF systems, X-ray optics and detectors, the Saturn and SCXmini™ CCD-based single crystal diffractometers for small molecule crystallography, the Ultima IV and SmartLab® multi-purpose diffractometers with SAXS and in-plane capabilities, and the ZSX Primus series of high-powered WDXRF spectrometers with mapping capabilities, in either tube-above or tube-below configurations. **618**

**Royal Society of Chemistry**, Thomas Graham House, Milton Road, Cambridge, United Kingdom CB4 0WF, 44-1223-420066, fax: 44-1223-432113, e-mail: sales@rsc.org, Internet: www.rsc.org A new content delivery platform; Chemical Science launched into our high-impact journal portfolio; cutting-edge books; and the award-winning ChemSpider (our free chemistry database resource) – you can be part of this success story at the forefront of the chemical sciences. Visit booth 801 to discuss your next paper, browse the website, pick up a free journal copy and grab a bargain in our book sale. Take this opportunity to discover the benefits of RSC membership, become part of our network of 47000 members worldwide or connect with the wider chemical sciences around the globe through our professional networking site MyRSC.org. **801**

**Sapling Learning**, 4315 Guadalupe Street, Suite 201, Austin, TX 78751, 512-323-6565, fax: 512-524-1124, e-mail: info@saplinglearning.com, Internet: www.SaplingLearning.com. Developed by chemists and educators, Sapling Learning is a powerful chemistry online homework and tutorial instruction platform. Sapling has been adopted by over 80 faculty at universities and colleges nationwide for introductory chemistry, general chemistry, general/organic/biochemistry (GOB), organic chemistry, biochemistry, and introductory chemical engineering. Over 150,000 students have used our software to improve their chemistry comprehension and problem-solving skills. Instructors benefit from the automatic grading of assignments, but also appreciate the complete control over the content and curriculum that Sapling provides. Because Sapling Learning is textbook-independent, instructors can use Sapling Learning alongside any textbook or alternative instructional resource. **107**

**Schrödinger, Inc.**, 101 SW Main Street, Suite 1300, Portland, OR 97204, 503-299-1150, fax: 503-299-4532, e-mail: info@schrödinger.com, Internet: www.schrödinger.com Schrödinger will exhibit its full suite of drug discovery software, including the industry leading Glide for flexible ligand docking, induced-fit (IFD) algorithm for modeling receptor flexibility, Phase for ligand-based pharmacophore modeling, and Canvas, a full-featured cheminformatics package. We will also debut Maestro Elements, a streamlined version of the feature-rich Maestro molecular modeling environment with integrated computational analyses designed specifically for medicinal chemists. Also exhibited are Jaguar, a high-performance quantum mechanical package, and MacroModel, a comprehensive molecular modeling program with particular strengths in conformational analyses. The complete line of small molecular modeling and drug discovery tools will be available for hands-on demonstration. **905**

**Scientific Computing & Modelling NV**, SCM/TC/FEW, Vrije Universiteit Amsterdam, De Boelelaan 1083, Amsterdam, Netherlands 1081 HV, 31-20-5987626, fax: 31-20-5987629, e-mail: sales@scm.com, Internet: www.scm.com SCM produces ADF2009, the latest version of the Amsterdam Density Functional program for Density Functional Theory (DFT) calculations. It enables chemists to compute the structures, reactivities, and properties of molecules and periodic structures. The COSMO-RS module gives access to thermodynamics of pure and mixed liquids. ADF2009 includes the most recent dispersion-corrected and meta-hybrid xc functionals, numerous GUI improvements, and new spectroscopic properties (MCD, resonance Raman) and chemical analysis methods (ETS-NOCV). Ongoing developments include treating large reactive dynamical systems using reactive force fields and fast quantum methods. Information on multiscale/mesoscale software and ADF preinstalled on Linux clusters is provided as well. **939**

**Scientific Systems, Inc.**, 349 North Science Park Road, State College, PA 16803, 814-272-5375, fax: 814-234-2469, Internet: www.ssihplc.com Scientific Systems, Inc. (SSI) designs and manufactures a full line of high pressure positive displacement (piston) pumps for process and metering applications. Flow rates range from 1 micro-liter to 500 ml/min with pressures up to 10,000 psi. Stainless and PEEK (plastic) fluid paths are available, constant flow or constant pressure modes, and RS-232 remote PC control is standard. Accessories include valves, pulse dampeners and fittings. Since 1967, SSI has provided innovative products with the highest level of quality and customer service. **849**

**SCNTE**, 417 West Dayton Dr., Fairborn, OH 45324, United States, 937-602-4544, e-mail: blr@scnte.com, Internet: www.scnte.com **1050**

**Serena Software**, P.O. Box 3076, Blomington, IN 47402, 812-333-0823, fax: 812-332-0877, e-mail: gilbert@serenasoft.com, Internet: www.serenasoft.com Serena Software, PO Box 3076, Bloomington, IN 47402-3076 Tel: (812)333-0823 Fax: (812)-332-0877 Web: www.serenasoft.com Showing the latest releases of Pcmodel v92, Gaussian, Orbdraw and Vibrate. Pcmodel is a molecular editor and builder, with molecular mechanics (MMX, MM3, MMFF94, Amber and Oplaa) and a complete interface to Gaussian, Gamess, PQS, ADF and other QM programs. Now including support for OpenGL graphics, Smiles strings, SDF, PDB, ADF and PQS. Orbdraw now includes property maps and output to PovRay. All programs are available for Windows, Macintosh and Linux. 214 **344**

**Shimadzu Scientific Instruments Inc.**, 7102 Riverwood Drive, Columbia, MD 21046, 800-477-1227, fax: 410-381-1222, Internet: www.shimadzu.com Shimadzu offers a full line of analytical instrumentation, including UV Visible and Fluorescence Spectrophotometers; FTIR Spectrometers; Automated FTIR Microscope; HPLC systems and components; LC/MS; Gas Chromatography; GC/MS; MALDI-TOF Mass Spectrometers; Data Stations for Spectroscopy and Chromatography; Thermal Analyzers, TOC, Atomic Absorption Spectrometers, ICP, EDX, Particle Size Analyzers, Balances, Capillary Rheometers, Mooney Viscometers, Universal Testing Equipment and more. **1011,1010**

**Shoko America, Inc.**, 2281 W. 205th St., Suite 110, Torrance, CA 90501, 310-783-1600, fax: 310-783-1601, e-mail: iwamoto@shoko-america.com, Internet: www.shoko-sc.co.jp New high-spec Flash Systems and Columns are now available from Yokohama, Japan! Shoko Scientific, Moritex successor, introduces their new PURIF Flash Chromatography products. The new Es-poir 2, two-channel single or parallel purification system features quality design with high-spec, durable pumps and a large, touch screen display. Purif-Pak open-top columns consist of narrow distribution spherical silica gels; 15um, 30um, and 60um. This combination of tightly

controlled material and a state-of-the-art system results in easier sample loading, lower back pressure, and performance closer to that of HPLC than conventional Flash Chromatography. Also, NH and Diol Flash phases available. Ask us for a DEMO! **432**

**SiliCycle**, 2500 Parc-Technologique Blvd., Quebec City, QC, Canada G1P 4S6, 418-874-0054, fax: 418-874-0355, e-mail: info@silicycle.com, Internet: www.silicycle.com SiliCycle® is a recognized industry leader in the development, manufacturing and commercialization of innovative silica gel products for chromatography, and analytical/organic chemistry. SiliCycle has become a leader by offering innovative products, such as SiliaBond® metal scavengers and reagents, SiliaCat® supported heterogeneous catalysts SiliaChrom™ HPLC Columns, SiliaFlash® irregular silica gels, SiliaSep™ flash cartridges, SiliaPrep™ SPEs and well plates, SiliaPlate™ TLC, and IMPAQ® angular silica gels. SiliCycle's business extends to more than fifty countries worldwide and its customer portfolio includes pharmaceutical and biotechnology industries, contract research and manufacturing organizations as well as university laboratories and hospital research centers. **1230**

**SimBioSys, Inc.**, 135 Queen's Plate Drive, Unit 520, Toronto, ON, Canada M9W 6V1, 416-741-4263, fax: 416-741-5084, Internet: http://www.simbiosys.com/ SimBioSys, Inc (www.simbiosys.com) is a recognized leader in providing innovative software products for the drug discovery industry. The company is in the forefront of technology in two main areas: molecular docking, and automated synthetic planning. eHiTS, our fragment based docking algorithm with its native knowledge based scoring function, provides a uniquely fast and accurate tool for pose prediction and virtual screening. ARChem is a revolutionary retrosynthetic analysis package that automatically harvests reaction rules from reaction databases, and employs them to generate full synthetic routes from commercially available starting materials to the target molecule. Other products include: LASSO, CLiDE, and SPROUT. **945**

**Sirius Analytical**, 100 Cummings Center, Suite 231C, Beverly, MA 01915, United States, Internet: www.sirius-analytical.com Instrumentation and CRO services for Physicochemical profiling. Sirius Analytical design and manufacture highly automated instruments to measure physicochemical parameters—pKa, logP and logD, solubility and dissolution, and we provide a wide range of physical chemistry analytical services. **1410**

**Smithers Springborn**, 790 Main St., Wareham, MA 02571, 508-295-2550, fax: 508-295-8107, e-mail: haubin@smithersmail.com, Internet: www.springbornsmithers.com Smithers Springborn is a global Contract Research Organization (CRO) providing environmental testing services for the crop protection, pharmaceutical, industrial chemical, and consumer household industries. With laboratories in North America and Europe, Springborn performs studies that satisfy all major regulatory requirements. Services in environmental fate include bioaccumulation, photodegradation, hydrolysis, aerobic and anaerobic sediment transformation, and absorption/desorption in soil, sediment and sludge. We conduct a full range of biodegradation tests, from simple screening tests, sludge respiration inhibition and Ready Biodegradability to more complex simulation tests. Additional testing services include plant and animal metabolism, analytical and product chemistry, ecotoxicology, and avian toxicology. **233**

**SOPHAS**, 1101 15th Street NW, #910, Washington, DC 20005, 202-296-1099, fax: 202-296-1252, Internet: www.asph.org. **1039**

**Sorbent Technologies**, 2377 John Glenn Drive, Suite 106, Atlanta, GA 30341, 866-767-0283, fax: 770-936-0326, e-mail: dschurer@sorbtech.com, Internet: www.sorbtech.com Sorbent Tech-

nologies, the leading chromatography specialist to the scientific community, specializes in premium products and services for laboratory, pilot, and production facilities. Sorbents: Silicas, Bonded Phases, Aluminas, Polymer Resins, Florisil, Polyamide TLC Plates Flash Cartridges for Analogix/Varian, Biotage, Isco, and Interchim Systems Flash Systems: Analogix/Varian HPLC Columns: Analytical & Semi-Prep, & Prep (Grace Vydac, Macherey-Nagel, Jordi) GC columns: Capillary, Glass & Metal FPLC, Prep & Process Columns (Essential Life Solutions) SPE Cartridges UHPLC Systems Lab Supplies: Pipet Tips, PCR, Tubes, Pipettors, Gloves, Racks, Boxes, Dispensers We are your Separation Solution Source! **638**

**Specac, Ltd.**, River House, 97 Cray Avenue, ORPINGTON, Kent BR5 4HE, United Kingdom, 44 (0)1689 873134, fax: 44 (0)1689 878527, Internet: www.specac.com **655**

**Springer**, 233 Spring Street, New York, NY 10013, 212-460-1600, fax: 201-348-4505, Internet: www.springer.com Springer supports you in your research with more than 1,900 books available in Chemistry and Materials Science. At ACS Fall 2010, we provide hands-on experience with Springer eBooks. Browse new books online, on eBook readers, and of course in print. Visit the booth and ask about your Springer MyCopy or visit us online at springer.com. Looking for a publisher? Discuss with our editors how publishing your work in this three-fold publishing model provides the widest dissemination of your work. **910**

**Sterlitech Corporation**, 22027 70th Ave. S., Kent, WA 98032-1911, 877-544-4420, fax: 253-437-0844, e-mail: mspatz@sterlitech.com; Internet: www.sterlitech.com Sterlitech Corporation is one of the largest producers and sellers of bench scale test equipment and flat sheet membranes used in research and development labs throughout the globe. For precision and accuracy, Sterlitech membranes, membrane disc filters, silt density index kits, laboratory centrifuge and mixing equipment, and their countless other scientific and laboratory filtration products are consistently called upon by a variety of industries to assure exceptional results. **212**

**StellarNet Inc.**, 14390 Carlson Circle, Tampa, FL 33626, 813-855-8687, fax: 813-855-0394, e-mail: dpersell@stellarnet.us, Internet: www.stellarnet-inc.com StellarNet manufactures spectroradiometers for measurements in the Lab or Field. The instruments have fiber optic interface and are extremely rugged for UV-VIS & NIR light measurement. Since 1995 StellarNet has been shipping portable instrumentation that delivers high S/N performance at a surprisingly low cost. Our flagship Black-Comet, concave grating spectrometer provides superior optical imaging with ultra low stray light that is comparable to high end systems costing thousands \$ more. The SpectraWiz software is included FREE with each instrument to enable comprehensive LED and a multitude of other light & optical measurements via NIST traceable calibrations. Customizable LabVIEW and VBA+Excel programs are also included on CDROM with software training videos. Visit our website for more information at www.StellarNet-Inc.com. **1140**

**Strem Chemicals**, 7 Mulliken Way, Dexter Industrial Park, Newburyport, MA 01950-3104, 978-499-1600, fax: 978-465-3104, Internet: www.strem.com Strem Chemicals, An Employee-Owned Company, established in 1964, manufactures and markets over 4,000 metals, inorganics, and organometallics for research and development including metal catalysts and ligands for organic synthesis, MOCVD/ALD precursors and nanomaterials, for use in pharmaceutical, microelectronics, chemical and petrochemical industries. Custom synthesis services are also provided. cGMP manufacturing is also available. Nanomaterials manufactured include clusters, particles, powders and magnetic fluids of Ti, Au, Pt, Rh, Ni, Pt/Ru, Co, Fe/Co. **916**

**Supercritical Fluid Technologies**, One Innovation Way, Suite 303, Newark, DE 19711, 302-738-3420, fax: 302-738-4320, e-mail: info@supercriticalfluids.com, Internet: www.supercriticalfluids.com Equipment for supercritical fluid extraction, high pressure reaction chemistry, and high pressure fluid applications. Typical volumes: 5 ml to 5 liters. Automation and data handling options for varying needs and budgets. High Pressure Reactors custom built to your specifications. Stand-alone CO<sub>2</sub> and solvent pumps. Customized systems for non-standard applications, including supercritical water oxidation, aerogel formation, and supercritical drying. SFT Phase Monitor is ideal for visual solubility determinations of liquids and solids in supercritical CO<sub>2</sub>. Consultation services, contract research, parts and service. **1014**

**Suven Discovery**, Road-5, Avenue-7, Banjara Hills, Hyderabad-500 034, India , 91-40-23556039, fax: 91-40-23541152, e-mail: nvsrk@suven.com, Internet: www.suven.com Suven Discovery has 8 years experience in discovery and development of several small molecules to clinic in CNS; serving pharma and biotech industry through collaborative research (Eli-Lilly) and fee-for-service (AstraZeneca, BMS, Johnson-Johnson, Pfizer, Abbott, Lundbeck, Reviva, Theravance, Onconova, kareus) Suven Discovery Services: Medicinal-Chemistry, Process-Chemistry, Analytical-Chemistry, Structure-elucidation, Impurities-Metabolite Synthesis; Physicochemical-properties; In-vitro screening (Receptors-Enzymes); Assay development; In-vitro and In-vivo Drug-metabolism & Pharmacokinetics in rodents, non-rodents; Brain-penetration; Microdialysis; Receptor-Occupancy; CNS Pharmacology; Safety Pharmacology; In-vitro and In-vivo rodent Toxicology; Histopathology; Clinical Pathology, Bioanalysis. Suven-Discovery offers Aggressive timelines together with high scientific quality and documentation for your decision making of molecule progression in drug discovery. **460**

**Sympatec, Inc.**, 9 Princess Road, Suite A, Lawrenceville, NJ 08648, 609-844-1020, fax: 609-844-1255, e-mail: usa@sympatec.com, Internet: www.sympatec.com. **106**

**SynChem, Inc.**, 1400 Chase Avenue, Elk Grove Village, IL 60007, 847-298-2436, fax: 847-298-2439, Internet: www.synchem.com SynChem, Inc. is a research and development company specializing in custom synthesis and contract research as well as its own 1,000 catalog products from its own research program. SynChem has more than 100 chemists in both its Chicago site and Shanghai site with more than 10% of its work force have Ph.D. degree. Through the integration and project redistribution between two sites, we offer our clients seamless custom synthesis contract research services at a competitive rate with IP-protection. SynChem Chicago focuses on time-sensitive, IP-intensive parts of projects and SynChem (China), Ltd. focuses on cost-sensitive parts of projects. **309**

**Synquest Laboratories, Inc.**, P.O. Box 309, Alachua, FL 32616-0309, 386-462-0788 or 877-4-FLUORO (toll free), fax: 386-462-7097, e-mail: info@synquestlabs.com, Internet: www.synquestlabs.com Synquest Laboratories specializes in fluorinated organic and inorganic chemicals, providing a creative and innovative range of building blocks, reagents and compressed and liquified gases. We offer chemical services designed to expedite your research from conception to pilot quantities. **449**

**Synthonix**, 2713 Connector Drive, Wake Forest, NC 27587, 919-875-9277, fax: 919-875-9601, Internet: www.synthonix.com Synthonix specializes in the synthesis of novel multifunctional building blocks and synthons designed for the synthesis of high impact target molecules devoid of metabolic liabilities. One of our core technologies is the synthesis of heterocyclic stannanes in which the corresponding boronic acids are unstable. Many of these products are exclusive to Synthonix and allow chemists access

to unique downstream heterocycles substituted at positions not attainable with Suzuki coupling. Other specialties include densely functionalized boronic acids, proprietary kinase scaffolds, fluorinated compounds, oxetanes, and many others. **612**

**Syrris**, 29 Albion Place, Charlestown, MA 02129, 617-848-2997, fax: 617-532-1033, e-mail: info-usa@syrris.com, Internet: www.syrris.com Syrris creates automated products for research and development chemists and is a world leader in flow chemistry, microreactor and automation technology. Syrris products are used in a wide variety of applications and laboratories including process, discovery, crystallization, process safety, scale-up and many more. Syrris products include the innovative range of fully automated batch reactor products (Atlas), which includes the Atlas Calorimeter (for HFC and PCC) and the flow chemistry systems (FRX, Africa and Asia). **1233**

**TA Instruments**, 159 Lukens Drive, New Castle, DE 19720, 302-427-4000, fax: 302-427-4001, e-mail: info@tainstruments.com, Internet: www.tainstruments.com Please visit the TA Instruments booth for the latest innovations in thermal analysis, rheology and microcalorimetry. TA Instruments is proud to offer industry-leading solutions for a wide range of materials characterization applications. Our new High-Pressure TGA-HP products are exclusively designed for energy research including gasification and hydrogen storage, and the new DMA-RH accessory provides for controlled-humidity DMA experiments common in fuel cell research. Our Nano-ITC2g and Nano-DSC calorimeters are benchmarks for life science applications and our ARES-G2 and AR-Series rheometers set the standard for a broad range of rheological measurements. **405**

**Taylor & Francis Group LLC/CRC Press**, 6000 Broken Sound Parkway, NW, Suite 300, Boca Raton, FL 33487, 561-994-0555, fax: 561-361-6018, Internet: www.taylorandfrancisgroup.com Taylor & Francis Group - CRC Press, represented by its book and journal divisions, is a premier publisher of scientific and technical books, journals, and electronic reference products. Visit our booth to browse our special offers on new and bestselling titles, including our flagship title, CRC Handbook of Chemistry and Physics, now in its 91st edition. In addition to the traditional disciplines, we also offer titles in proteomics, computational chemistry, catalysis, drug discovery, and green chemistry. Pick up free sample copies of our chemistry journals and sign up for a free trial of our online reference libraries CHEMnetBASE and CHEMLIBnetBASE. **217**

**TCI America**, 9211 N. Harborage Street, Portland, OR 97203, 800-423-8616, fax: 888-520-1075, e-mail: sales@tciamerica.com, Internet: www.tciamerica.com 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 develops new technology that produces rare and novel compounds. Our current catalog lists 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 www.tciamerica. **325**

**Teledyne Isco Inc.**, 4700 Superior St, Lincoln, NE 68504, 402-464-0231, fax: 402-465-3064, e-mail: iscoinfo@teledyne.com, Internet: www.isco.com CombiFlash® Rf separation systems provide rapid purification of organic compounds. Teledyne Isco's new CombiFlash Torrent™ Scale-up System with enhanced capabilities is capable of running at flow rates of up to 1 liter per minute, and rapidly purifying large samples up to 300 grams. High pressure 100 psi

(6.89 bar) pumps accurately deliver a reproducible binary gradient through all flow rates. Our high-flow precision syringe pumps deliver accurate flows of virtually any fluid. They are ideal for; bench-scale R&D, batch or pilot processing, liquefied gases, supercritical fluids, or specialized analytical techniques. **1125**

**Thales Nano Inc.**, Zahony utca 7., Budapest, Hungary H-1031, 36-1-8808-509, fax: 36-1-8808-510, e-mail: info@thalesnano.com, Internet: www.thalesnano.com ThalesNano is a world-leading provider of continuous process chemistry instruments in the rapidly developing market of laboratory and process scale flow reactors. The company has the widest portfolio of bench-top continuous process instruments. Its R&D 100 award winning H-Cube® continuous-flow hydrogenation reactor and the pilot plant scale version H-Cube Midi™ are used in hundreds of laboratories in four continents and have become the new industry standard for hydrogenation. **327**

**The New York Times**, On the Avenue Marketing Group, 613 South Avenue, Weston, MA 02493, 781-890-2661, fax: 781-890-2799, Internet: www.nytimes.com. **411**

**Thermo Scientific**, 5225 Verona Road, Madison, WI 53711, 800-532-4752, Internet: www.thermo.com Exciting new products will be on display at the Thermo Scientific booth. Thermo Scientific represents a broad range of high-end analytical instruments, chemistry and consumable supplies, laboratory equipment, software and services that enable integrated laboratory workflow solutions. Thermo Scientific is a brand name that researchers, clinicians and scientists count on to solve their analytical challenges. The brand is strengthened by the addition of equipment, consumables and reagents acquired from Fisher Scientific. Thermo Scientific is part of Thermo Fisher Scientific. See our solutions for FTIR, UV-Vis, Raman, NIR, ICP, GC/MS, LC/MS, and a complete portfolio of water baths, circulators and chillers. **1000,1001**

**Tosoh Bioscience LLC**, 3604 Horizon Drive, Suite 100, King of Prussia, PA 19406, 484-805-1219, fax: 610-272-3028, Internet: www.tosohbioscience.com Tosoh Bioscience is a global leader in the manufacturing and sales of high quality, innovative pre-packed HPLC columns and bulk resins with the TSK-GEL, Toyopearl and ToyoScreen brand names. Continuing with a tradition of excellence that began with the introduction of one of the first SEC columns in 1976, we expanded our product portfolio in 2008 to include a dedicated system for GPC analysis, the EcoSEC GPC system. This instrument delivers unsurpassed efficiency, reliability, and reproducibility and is on display at our booth. **409**

**Treibacher Industrie Inc.**, 67 Mowat Ave., Suite 332, Toronto, Ontario, Canada, 416-535-2600, fax: 416-535-2602, e-mail: blythe.macdonald@treibacherinc.com, Internet: http://www.treibacher.com/usa-canada.html. Treibacher Industrie Inc specializes in rare earth and vanadium chemicals, used in applications including catalysts, pharmaceuticals, organometallic syntheses, pigments, glass, polishing, electroceramics and functional coatings. Our products include rare earths (e.g. cerium chloride anhydrous, lanthanum carbonate), vanadium chemicals (e.g. vanadium pentoxide, ammonium metavanadate, ammonium polyvanadate, vanadium oxalate, vanadium sulfate) and mixed metal oxides (e.g. perovskites). **1302**

**Tutor.com**, 40 Fulton St., 4th Floor, New York, NY 10038, 212-528-3101, ext. 252, fax: 208-723-6105, e-mail: agonzalez@tutor.com, Internet: www.tutor.com Tutor.com - the #1 online tutoring, homework help and career service. Students connect to our tutors in our one-to-one online classroom to get the help they need to succeed in school and beyond. Although Tutor.com has thousands of tutors, we continue to seek sources of qualified, professional math and science applicants to meet our students' needs. Tutor.com

is currently looking to partner with universities, companies and organizations that focus on Science, Technology, Engineering or Mathematics. Why tutor or partner with us? Tutors enjoy flexible scheduling, extra income, working from home, dorm or office and keeping fundamental skills sharp. **1037**

**U.S. EPA Green Chemistry Program**, 1200 Pennsylvania Avenue, NW, Mail Code 7406M, Washington, DC 20460, 202-564-8740, e-mail: greenchemistry@epa.gov, Internet: www.epa.gov/greenchemistry/ The U.S. EPA Green Chemistry Program is a voluntary partnership program whose mission is to promote innovative chemical technologies that reduce or eliminate the use or generation of hazardous substances in the design, manufacture, and use of chemical products and processes. The Program accomplishes these goals through multiple activities including: The Presidential Green Chemistry Challenge Awards; designing tools, databases, and educational materials; and supporting research through grants and fellowships. **424**

**Uniqsis**, 29 Station Road, Shepreth, United Kingdom SG8 6GB, Internet: www.uniqsis.com Uniqsis FlowSyn is a flexible, easy to use continuous flow reactor for reaction optimization, library synthesis, reagent screening, synthesis and scale up. Reactions from mg to kg of material can be produced at temperatures ranging from -40 C to 260 C and up to 1000 psi. **1030**

**United Soybean Board**, 2715 Ashman St, Midland, MI 48640, 989-631-3377, fax: 989-631-0812, e-mail: info@omnitechintl.com, Internet: www.soynewuses.org The United Soybean Board (USB) is a farmer-funded organization working with industry, academia and government to commercialize soy-based products and technologies in foams, plastics, composites, coatings, stains, wood adhesives, lubricants, solvents, inks, specialty chemical applications and emerging opportunities. Benefits of soy chemistry include performance, cost, versatility and a renewable resource. Experts on soy-based products and technology developments will be available at the USB booth. USB-funded successes include soy-based polyol products for polyurethanes and unsaturated polyester resins that are used in body panels for agricultural equipment, polyurethane spray foam insulation, polyurethane carpet-backing, paints and stains, and other products. **1324**

**Ubichem Research Ltd.**, 33 Illatos St., Budapest H-1097, Hungary, 603-882-1047, fax: 603-883-1847, e-mail: zsolt.bencze@ubichem.com, Internet: www.ubichem.com Ubichem provides a comprehensive range of chemistry services (on lab to pilot plant scale) to support pharmaceutical development-lead optimisation, process R&D, analytical method development and validation, intermediate and cGMP API manufacture and radiolabelling. Hungary, where our facilities are located, is an untapped low cost area within the EU with tradition and expertise in chemistry. We are especially experienced with nitrogen containing heterocyclics and sugar derivatives. We have a Discovery Chemicals Catalogue with novel building blocks. **1244**

**University of Florida, Pharmaceutical Chemistry**, P.O. Box 100484, Gainesville, FL 32610, 813-818-9100, Internet: http://pharmchem.cop.ufl.edu/ University of Florida Online Masters of Science in Pharmaceutical Chemistry The University of Florida, College of Pharmacy offers a distance education program in Pharmaceutical Chemistry to meet the needs of today's professionals. This master degree offers a strong foundation in Medicinal Chemistry, Metabolism, Drug Chemistry, Synthetic Medicinal Chemistry, Herbal and Dietary Supplements, and much more. **948**

**University Science Books**, 20 Edgehill Rd., Mill Valley, CA 94941, 415-383-3167, fax: 415-383-3167, e-mail: univscibks@igc.org, Internet: www.uscibooks.com University Science Books is proud to release its magnificent new atoms-first

GENERAL CHEMISTRY, 4th ed., by McQuarrie et al. This elegant text features the clear writing and wonderful problems that has made McQuarrie famous among chemistry professors and students worldwide. With a guaranteed list price of \$98.50 for three years and no new edition for five years, this text combines the highest quality with the best value. Also featuring our recently released ORGANOTRANSITION METAL CHEMISTRY by John Hartwig, and MODERN MOLECULAR PHOTOCHEMISTRY OF ORGANIC MOLECULES by Nick Turro et al. Also visit us online at www.uscibooks.com. **815**

**Vacuubrand, Inc.**, 11 Bokum Rd., Essex, CT 06426, 860-767-2562, fax: 860-767-2563, e-mail: kpouliot@brandtech.com, Internet: www.vacuubrand.com VACUUBRAND will present corrosion-resistant oil-free vacuum pumps that feature exceptionally quiet operation and long service intervals. Pumps and vacuum systems are ideal for rotary evaporators, reactors, distillation, concentrators, vacuum ovens, gel dryers, filtration and more. VACUUBRAND VARIO™ vacuum systems self-optimize, eliminating test runs and programming, minimizing bumping, and completing evaporations up to 30 percent faster. We also offer 24VDC compact OEM vacuum pumps, rotary vane pumps, and new corrosion-resistant digital vacuum gauges and controllers. **615**

**Vacuum Atmospheres Co.**, 4652 West Rosecrans Avenue, Hawthorne, CA 90251, 310-644-0255, fax: 310-970-0980, e-mail: info@vac-atm.com, Internet: www.vac-atm.com Established in 1960, Vacuum Atmospheres Company has designed and manufactured controlled inert atmosphere glove box systems and gas purification systems to maintain less than 1ppm of O2 and H2O. The Nexus II and Omni-Lab series systems provide the quality, performance and value that today's research demands. In addition, VAC offers a revolutionary patented solvent purification system. The unique, compact system circulates solvent for safe, convenient dispensing of high purity anhydrous solvents. Setting standards for 50 years, come see how VAC's products can benefit you. **1100**

**Vapourtec Ltd.**, Unit 16, Park Farm Business Centre, Fomham St Genevieve, Bury St Edmunds, Suffolk IP28 6TS, United Kingdom, 44-1284-728659, fax: 44-1284-728352, e-mail: duncan.guthrie@vapourtec.com, Internet: http://www.vapourtec.com The Vapourtec R Series flow chemistry system is a meso-scale continuous flow chemistry platform, developed to meet the needs of medicinal chemistry, process development and scaleup. It offers flexibility (up to 4 reaction steps, up to 4 separate reagent streams, easily interfaced to a fraction collector or liquid handler for fully automated optimisation and library synthesis), precision (+/-1 degree across temperature range of -70C to +250C) and special capabilities not found on other systems (ability to pump fuming nitric acid, ability to reliably pump organometallic reagents, cooled reactions to -70C without an external recirculating chiller, for example). **1138**

**Varian, Inc.**, 2700 Mitchell Drive, Walnut Creek, CA 94598, 800-926-3000, e-mail: custcare@varianinc.com, Internet: www.varianinc.com Varian, Inc. is a world leader in scientific instruments and a major supplier of analytical solutions and nuclear magnetic resonance (NMR). Products include GC, GC/MS, Micro GC, HPLC, LC/MS, Prep Chromatography, Data Handling, UV-Vis-NIR, Fluorescence, FT-IR, ICP, ICP-MS, AA and Dissolution systems, as well as laboratory consumable products and Vacuum pumps, leak detectors and components. **306**

**VEECO Instruments**, 112 Robin Hill Road, Santa Barbara, CA 93117, 805-967-1400, fax: 805-967-7717, Internet: www.veeco.com Veeco has high-performance AFMs for every application, lab and budget. Our world class AFMs for Physical and Materials Science include new additions to the Dimension line, the industry's best-selling,

most versatile AFM; the MultiMode, the industry's highest resolution AFM, as well as the Innova, BioScope and Caliber AFMs. **125**

**Vernier Software & Technology**, 13979 SW Millikan Way, Beaverton, OR 97005, 888-837-6437, fax: 503-277-2440, e-mail: info@vernier.com, Internet: www.vernier.com 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 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. **301**

**Vici Valco Instruments Co Inc.**, PO Box 55603, Houston, TX 77255, 713-688-9345, fax: 713-688-3948, Internet: www.vici.com Vici Valco Instruments Co., Inc. is a designer and manufacturer of standard and custom valves and fittings for precision analytical, biomedical, and biocompatible instrumentation. Products include a variety of related products including pneumatic and electric actuators, tubing and sampling loops, heated enclosures, valve sequence and temperature controllers, gas purifiers, GC detectors, and digital interfaces. We also manufacture devices and instrumentation for the generation of calibration gas standards, containment traps and gas specific purifiers. **426**

**Vigor Gas Purification Technologies**, 66 Brandywine Dr., Grand Island, NY 14072, 716-200-1200, fax: 716-200-1200, e-mail: vigor.tech@yahoo.com, Internet: www.vigorqb.com Vigor specializes in designing and manufacturing gloveboxes and inert gas purification systems. Based on 15 years' experience in producing the ultra-high purity gas (99.999999%), we have developed state-of-the-art gas purification and seal technologies for the gloveboxes, which enable us to offer gloveboxes with impurity level lowest in the industry. We manufacture standard gloveboxes with impurity < 1 ppm, ultra-high purity gloveboxes with impurity < 0.1 ppm, and gloveboxes with up to Class 100 clean room environment. Custom design is also our specialty. **100**

**VLife Sciences Technologies Pvt. Ltd.**, 1st Floor, Pride Purple Coronet, Baner Rd., Pune 411 045, Maharashtra, India, 91-20-2729-1590, e-mail: atulj@vlifesciences.com, Internet: www.vlifesciences.com VLife Sciences Technologies Private Limited is a leading provider of research enabling software products, customized software and discovery research solutions for a variety of industry sectors. VLife offerings cover wide range of applications in computer aided molecular discovery, bioinformatics, biotechnology and cheminformatics which provide advantages in terms of speed and accuracy for improved outcome from discovery research projects. VLife offers the VLifeMDS® suite for a comprehensive approach to computer aided drug design and the QSARpro® suite for advanced quantitative structure activity relationships analysis leading to new molecule design. **1041**

**VSP, an imprint of Brill**, P.O. Box 9000, NL-2300 PA, The Netherlands, 31-71-535-3436, fax: 31-71-535-3542, e-mail: egmonde@brill.nl, Internet: www.brill.nl VSP, an imprint of Brill, is honoring Kash L. Mittal, the Editor of its Journal of Adhesion Science and Technology and many edited books in the field of adhesion science & technology. These, as well as a number of other relevant book and journal titles, can be obtained from booth 652 at discounted prices. **652**

**VWR International LLC**, 1310 Goshen Parkway, PO Box 2656, West Chester, PA 19380-0906, 610-431-1700, 800-932-5000, fax: 610-436-1761, Internet: www.vwr.com VWR International is a leader in the global research laboratory

industry with worldwide sales in excess of \$3 billion USD. The company offers products from a wide range of manufacturers, to a large number of customers, primarily major pharmaceutical, biotechnology, chemical, technology, clinical, food processing and consumer product companies, universities and research institutes, governmental agencies, environmental testing organizations, and primary and secondary schools. VWR distributes a diversified product mix and supports its customers by providing storeroom management, product procurement, supply chain systems integration, technical services and laboratory bench top delivery. For more information call 1-800-932-5000, or visit www.vwr.com. **226**

**W. W. Norton, Inc.**, 500 Fifth Ave., New York, NY 10110, 212-548-4751, fax: 212-790-4261, Internet: wwnorton.com The oldest and largest publishing house owned wholly by its employees, W. W. Norton, Inc. publishes about 400 trade, college, and professional titles each year. **504**

**Wasson-ECE Instrumentation**, 101 Rome Ct., Fort Collins, CO 80524, 970-221-9179, fax: 970-221-9364, e-mail: jenny\_tabor@wasson-ece.com, Internet: www.wasson-ece.com Wasson-ECE Instrumentation specializes in configuring, modifying, and customizing gas chromatographs exclusively from Agilent Technologies. We design a system that may add extra ovens, valves, columns, electronics, software, and specialized components to yield a complete solution for each customer and sample condition. Wasson-ECE also provides a variety of hardware including autosamplers, concentrators and vaporizers, to complete your analysis. Contact us today for your custom GC analysis needs. **245**

**Waters Corp.**, 34 Maple Street, Milford, MA 01757, 508-482-2000, fax: 508-482-2674, e-mail: info@waters.com, Internet: www.waters.com Waters helps laboratory-dependent organizations by providing breakthrough technologies and solutions. Pioneering a connected portfolio of separation and analytical science, laboratory informatics and mass spectrometry, Waters provides the tools to improve the quality of today's science and explore the infinite possibilities of tomorrow. Waters, The Science of What's Possible. **1202**

**Wavefunction, Inc.**, 18401 Von Karman, Suite 370, Irvine, CA 92612, 949-955-2120, fax: 949-955-2118, e-mail: sales@wavefun.com, Internet: www.wavefun.com Wavefunction is chemistry at your fingertips. Spartan accesses a full variety of modern quantum chemical methods from a powerful and intuitive graphical interface. It is intended a primary research tool. Spartan Student offers a subset or Spartan's capabilities for use in the classroom. Odyssey is a discovery-based learning tool based on molecular dynamics. Wavefunction will introduce a new version of SpartanModel for interactive modeling in organic chemistry and two new database programs for infrared spectra and heats of formation. **811**

**WebAssign**, 1730 Varsity Drive, Suite 200, Raleigh, NC 27606, 919-829-8181, fax: 919-829-1516, e-mail: info@webassign.net, Internet: http://www.webassign.net. **305**

**Wheaton Science Products**, 1501 North 10th St., Millville, NJ 08332, 800-225-1437, fax: 800-825-9035, Internet: www.wheatonsci.com Wheaton manufactures high quality glass and plastic bottles, vials and containers for use in environmental, pharmaceutical, life science, biotechnology and research laboratories. Wheaton also provides equipment for cell culture and liquid handling. With over 120 years of experience in the glass industry, Wheaton can provide containers to suit almost all applications in the laboratory. Wheaton also offers several custom services such as specially designed containers, linear and 2 D bar coding, critical cleaning, and surface treatment. **607**

**Wilma-LabGlass**, 1172 N.W. Boulevard, Vine-land, NJ 08360, 856-691-3200, fax: 856-691-

6206, e-mail: cs@wilmad-labglass.com, Internet: www.wilmad-labglass.com Wilma-LabGlass, an ISO 9001-2008 Certified Company, has been manufacturing and distributing laboratory and scientific glassware for over 70 years. Wilma is a leading manufacturer of high precision engineered glass components. Wilma is also the market leader in Nuclear Magnetic Resonance Sample Tubes (NMR) and Electron-Paramagnetic-Resonance (EPR). LabGlass manufactures and distributes a wide variety of specialty laboratory glassware products and equipment. **333**

**Wilmington PharmaTech**, Pencader Corporate Center, 229A Lake Dr., Newark, DE 19702, 302-737-9916, fax: 302-261-7000, e-mail: info@wilmingtonpharmatech.com, Internet: www.WilmingtonPharmaTech.com Wilmington Pharma Tech is a full-service company specializing in chemical process research and development for the pharmaceutical and biotechnology industry. We are currently developing new green (environment-friendly) processes for the synthesis of today's medicines. We also provide consulting services, contract process research, bulk drug intermediates, and APIs under cGMP for pharmaceutical and biotechnology companies. The service areas: cGMP Synthesis; Intermediates Scale Up; Drug Reference Standards; Analytical Standards; New Impurity Standards; Metabolite Standards; Stable Isotope Labeling; QSAR Studies. **448**

**World Scientific Publishing**, 27 Warren St., Suite 401-402, Hackensack, NJ 07601, 2014879655, fax: 2014879656. **1028**

**Wyatt Technology Corp.**, 6300 Hollister Avenue, Santa Barbara, CA 93117, 805-681-9009, fax: 805-681-0123, e-mail: info@wyatt.com, Internet: http://www.wyatt.com DAWN family of multi-angle light scattering (MALS) instruments for absolute macromolecular characterization determine absolute molecular weights and sizes of proteins, polymers, nanoparticles. DynaPro dynamic light scattering (DLS) instruments include cuvette based DynaPro NanoStar and the DynaPro Plate Reader for automated DLS measurements in standard well plate format for optimizing protein solutions for crystallography, general oligomerization characterization, or sizing nanoparticles. Eclipse Field Flow Fractionation (FFF) system combined with MALS separates and counts submicron particles and studies protein aggregates. Finally, the world-class Möbius mobility instrument (zeta-potential) for measurements of small molecules and proteins. **517**

**Yamazen Science, Inc.**, 903 Sneath Lane, Suite 125, San Bruno, CA 94066, 650-877-7750, fax: 650-873-6496, e-mail: info@yamazenscience.com, Internet: www.yamazenscience.com Yamazen manufactures Japan's best selling Automated Prep LC (Flash Systems) & High Resolution Columns with 36 years of Chromatography experience. US Patented software: Automated, Fast (4CV) & predictable Run Time & Low Solvent Usage (Exhibited at the Green Pavilion during ACS in SF 2010), Easy & Flexible Operational Changes for the Flash Chromatography on the fly. W-Prep: Intelligent, Fast, Dual & Parallel Prep LC - can run two columns simultaneously. Two Rf Inputs for two target compounds (Automatic two optimized gradients). Intelligent Level Sensing for solvents and waste. Open & Modular Design for safety and simple, easy maintenance. **1300**

**Zinsser North America**, 19145 Parthenia Street, Suite C, Northridge, CA 91324, 818-341-2906, fax: 818-341-2927, e-mail: info@zinsser.com, Internet: www.zinsser.com Zinsser Analytic supplies a range of sophisticated systems and solutions for applications in biotechnology, modern drug discovery, combinatorial chemistry, screening and synthesis, and standard laboratory automation. As a customer you get reliable hardware and excellent software and premium support backed by 30 years accumulated experience in automation and liquid handling. **101**