

## EXPOSITION

### OPEN SUNDAY THROUGH

**WEDNESDAY.** Visit the ACS National Exposition in San Francisco. Learn about scientific and industrial trends, discover effective technologies and services that may improve your productivity, and network with chemical and industrial scientists. Located in Halls B & C of the Moscone Center, the exposition will be open on Sunday, March 21, from 6 to 8:30 PM; Monday and Tuesday, March 22–23, 9 AM to 5 PM; and Wednesday, March 24, 9 AM to 1 PM.

**PRODUCT RESEARCH.** Companies will showcase services, instruments, books, computer hardware, scientific software, and a wide array of chromatographic, lab, and safety equipment. Technical personnel will also be available to give demonstrations, answer questions, and discuss your specific needs and interests.

**VIRTUAL NATIONAL EXPOSITION & EXHIBITOR ROAD MAP.** Access the Virtual National Exposition & Exhibitor Roadmap at [www.acs.org/sanfrancisco2010](http://www.acs.org/sanfrancisco2010) to learn more about the exhibiting companies and to download product

information that meets your needs. You can also prepare a customized floor plan to maximize your exposition experience and schedule meetings with exhibitors.

**SPECIAL EVENTS.** Come to the Attendee Welcome Reception on Sunday from 6 to 8:30 PM and meet the exhibiting companies while enjoying food and participating in the Sustainability Engagement Event inside the Green Pavilion. From Sunday through Wednesday, visit the Green Pavilion to relax and identify ways to support the sustainability initiative; visit Experience San Francisco to receive city information and discounts; and join us for the morning and afternoon break sessions for a tasty treat. Look inside your meeting registration credentials for further information.

**FREE EXHIBITOR WORKSHOPS.** Several exhibiting companies will host free workshops to introduce new products and services, build skills with specific tools and techniques, and highlight innovative applications that may improve your productivity. For an exhibitor workshop listing, visit the Meeting Mail terminals or [www.acs.org/sanfrancisco2010](http://www.acs.org/sanfrancisco2010) and then see the sponsoring exhibitor's booth inside the exposition to register.

**INTERNET & TECHNOLOGY.** Attendees can utilize free Internet access and leave messages for one another at the Meeting Mail terminals located in the exposition. Laptop Lane, with ports for laptop hookup, will also be available on the show floor.

**PRIZE BOOTHS & SPECIAL OFFERS.** Visit the Daily Prize Raffle & Souvenir Store to purchase city souvenirs and enter the \$50 gift card raffle. Visit the Technology Raffle for a chance to win this year's hottest tech toys.

**ADMISSION REQUIREMENTS & EXPO-ONLY REGISTRATION.** Exposition admission is complimentary for all national meeting registrants; however, you are required to wear your badge. Individuals who want to visit the exhibits without registering for the technical component of the national meeting can obtain an expo-only badge for \$45. Students with school identification can obtain an expo-only badge for \$20. Registration may be handled online, by mail, or in person at ACS Attendee Registration.

For additional information regarding the ACS National Exposition in San Francisco, visit [www.acs.org/sanfrancisco2010](http://www.acs.org/sanfrancisco2010).

SHUTTERSTOCK



# EXHIBITOR WORKSHOPS

**EXHIBITING COMPANIES** will host free educational sessions at the Moscone Center to introduce new products and services, build skills with specific tools and techniques, and highlight innovative applications for existing instrumentation. To register, please visit the sponsoring exhibitor's booth inside the exposition (Halls B & C).

## MONDAY, MARCH 22

**Challenge Dionex on Your Liquid Chromatography Needs.** Sponsor: Dionex Corp., Monday, March 22, noon–2:30 PM, Moscone Center, Room 111.

Topics will cover new Dionex liquid chromatography products and applications; a panel discussion will be held. Learn about new solutions to reduce the cost of analysis while maintaining chromatographic performance. Applications such as water sample analysis and EPA regulations, biofuels analysis, and food safety will also be discussed. Come and challenge the Dionex panel on your chromatographic needs! Lunch will be provided. Preregister, as seating is limited.

**Getting To Know Reaxys—How To Enhance Your Chemistry Research.** Sponsor: Elsevier, Monday, March 22, noon–2:30 PM, Moscone Center, Room 110.

Learn how Reaxys can reduce the time you currently spend locating chemical reactions and substance data. Reaxys integrates reaction and substance data searching with synthesis planning and gives immediate access to relevant results. Discover how to easily locate the correct information via this appealing interface; prepare reports; export molecules, reactions, and associated data; and prepare your synthesis without wasting time reviewing unnecessary articles. Learn how to make the most of the smart tools and convenient results visualization that will enable you to access the relevant information quickly and easily.

**Frontiers of Integration: AFM + Optical Microscopy & Spectroscopy.** Sponsor: NT—MDT Co., Monday, March 22, 3:30–6 PM, Moscone Center, Room 111.

Nanolaboratory NTEGRA provides a unique platform for integration of most modern and powerful microscopy and spectroscopy techniques. Thanks to genuine integration of the concept as well as the hardware and software, NTEGRA Spectra (AFM and Raman microscope) is able to perform a wide range of unprecedented techniques: It researches graphene, nanotube, DNA, and macromolecular complexes with unprecedented spatial resolution; performs in situ research in liquid with controlled temperature and gaseous atmosphere; provides ligand-receptor interactions of biological molecules; allows manipulations of single molecules (nanomanipulations and nanosurgery); and enables nanoscaled modifications of new materials and micro-devices.

**How To Get Started with ChemSpider: Searching, Structure Deposition, and Database Curation.** Sponsor: Royal Society of Chemistry, Monday, March 22, 4–6 PM, Moscone Center, Room 110.

Instructor: Antony Williams, vice president of strategic development, ChemSpider. This session provides the opportunity to learn more about how to search ChemSpider, how to deposit your structures, and how you can participate in data curation.

## TUESDAY, MARCH 23

**High-Throughput Computational Methods for Materials Discovery and Optimization.** Sponsor: Accelrys, Tuesday, March 23, 8:30–11 AM, Moscone Center, Room 110.

Computational chemistry has been successful in modeling materials such as catalysts, polymers, and semiconductors. Using modern computers, it is feasible to perform large numbers of calculations in a reasonable time. The rate of analysis results, however, has increasingly caused a bottleneck. In this workshop, we demonstrate the advantages of incorporating molecular modeling into an automated data pipelining framework. Automation reduces human error, eliminates tedium, and facilitates the ability to examine large numbers of results and optimize materials. We draw examples from the optimization of Pt-based catalysts for fuel-cell applications, lithium-ion battery additives, and polymerization catalysts.

**Molecular Modeling with Spartan.**

Sponsor: Wavefunction Inc., Tuesday, March 23, 9–11 AM, Moscone Center, Room 111.

This hands-on course takes advantage of Spartan<sup>10</sup> software and provides an introduction to the application of molecular mechanics and quantum chemical methods to determine molecular shape, structure, energies, and properties. Topics include description/examples of common molecular modeling tasks; applications describing molecular structure, properties, reactivity, and selectivity; graphical models for the prediction/analysis of properties, reactivity, and selectivity; calculation of spectra (IR, UV-Vis, and NMR); performance assessment of molecular mechanics and quantum chemical methods; and data mining (Spartan Molecular Database, Cambridge Structural Database). All attendees will receive fully functional evaluation versions of Spartan for Windows, Macintosh, or Linux.

**Getting To Know Reaxys—How To Enhance Your Chemistry Research.** Sponsor: Elsevier, Tuesday, March 23, noon–2:30 PM, Moscone Center, Room 111.

Learn how Reaxys can reduce the time you currently spend locating chemical reactions and substance data. Reaxys integrates reaction and substance data searching with synthesis planning and gives immediate access to relevant results. Discover how to easily locate the correct information via the appealing interface; prepare reports; export molecules, reactions, and associated data; and prepare your synthesis without wasting time reviewing unnecessary articles. Learn how to make the most of the smart tools and convenient results visualization that will enable you to access the relevant information quickly and easily.

**All-New DiscoveryGate Content Platform.** Sponsor: Symyx Technologies Inc., Tuesday, March 23, noon–2:30 PM, Moscone Center, Room 110.

See a complete introduction to the new DiscoveryGate online content platform that combines efficient compound synthesis planning and one-click sourcing, making them available across standard operating systems using common Internet browsers. No end-user installations

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are required. Rebuilt from the content tier up, the new DiscoveryGate replaces the old database-centric approach. The new system is based on intuitive text and graphic searching options supplemented by filtering features that drill down to exactly the relevant information, be it commercial availability of known reagents and starting materials or synthetic routes suitable for synthesis of novel compounds. Hear about plans to extend the system to cover bioactivity, toxicity, and metabolism and to interact with important third-party content providers. Exciting new directions in e-commerce and social networking for end-user scientists will also be covered.

**Turbomole (quantum chemistry) User Group & Training.** Sponsor: CACHE Research LLC, Tuesday, March 23, 3:30–6 PM, Moscone Center, Room 110.

Part 1: The Turbomole User Group meeting starts with an overview of the new 6.1 release and includes a general Q&A session. Short presentations relating to Turbomole are invited from all users. Please e-mail your abstract to [dgallagher@cacheresearch.com](mailto:dgallagher@cacheresearch.com). Part 2: Turbomole hands-on training session for users who want to learn more about this popular

quantum chemistry package and its capabilities. No prior Turbomole experience is necessary. An evaluation copy of Turbomole will be provided; bring your own laptop. No charge, but please register with [dgallagher@cacheresearch.com](mailto:dgallagher@cacheresearch.com) as space is limited.

**LigandScout 3.0 Espresso: The New Integrated Pharmacophore Modeling Platform for Accurate and Rapid Virtual Screening by Inte:Ligand.**

Sponsor: Inte:Ligand Software, Tuesday, March 23, 4–6 PM, Moscone Center, Room 111.

Learn about Inte:Ligand's hottest release, LigandScout 3.0 Espresso, an accurate pharmacophore modeling and rapid virtual screening program to assist medicinal and computational chemists in identifying and prioritizing hit compounds. Sophisticated ligand and structure-based 3-D-pharmacophore modeling, viewing, and scoring of pharmacophore models in binding sites as well as creation and management of chemical databases for screening will be discussed. Discover the unique, user-friendly graphical interface that facilitates and accelerates the pharmacophore modeling and virtual screening learning experience.

### WEDNESDAY, MARCH 24

**Staying Ahead of Your Medicinal Chemistry Project Data.** Sponsor: Accelrys, Wednesday, March 24, 3:30–6 PM, Moscone Center, Room 111.

To maximize productivity at the bench, medicinal chemists spend a considerable amount of time collecting, exploring, and evaluating different sets of molecules related to their therapeutic project. These might be lists of active molecules within that project, compounds currently considered for synthesis, or lists gathered from the literature or patents. This workshop will focus on demonstrating a simple and intuitive interface for medicinal chemists that is built upon a powerful platform, Pipeline Pilot. It enables access to disparate data, provides sophisticated scientific methods for data analysis, and presents a common interface for sharing results with computational chemists. In addition, demonstrations will cover modern computational methods applied to generating new molecular entities, scaffold-hopping, and lead optimization, including fragment-based and structure-guided approaches.

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# EXHIBITORS

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Visit the Virtual ACS National Exposition at [www.acs.org/sanfrancisco](http://www.acs.org/sanfrancisco) 2010 to download exhibitor product information.

**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 and custom peptide synthesis. **312**

**Abacalab, Inc.**, 811 N. Franklin St., Wilmington, DE 19806, 877-522-2252, fax: 302-213-9179, e-mail: [info@abacalab.com](mailto:info@abacalab.com), Internet: [www.abacalab.com](http://www.abacalab.com) Abacalab, Inc. supplies the Chemistry Labacus® 2.2 Digital Laboratory Assistant for chemists and the companion Labacus® ELN Portal software for CambridgeSoft® Chemistry E Notebook. Now chemists can integrate instant experiment writeups based on their on-the-spot observations in the laboratory with their desktop electronic laboratory notebook. Labacus® also mobilizes structure sketching, stoichiometry calculations and access to reagent data in the laboratory. This enables chemists to focus on their experiments, eliminates data entry busywork and improves accuracy. Labacus® has been adopted in the pharmaceutical, chemical and biotech industries as well as for academic and non-profit research. **607**

**Accela ChemBio Co. Ltd.**, 9823 Pacific Heights Blvd., Suite F, San Diego, CA 92121, 858-699-3322, fax: 858-769-6322 or 858-876-1948, e-mail: [info@accelachem.com](mailto:info@accelachem.com), Internet: [www.accelachem.com](http://www.accelachem.com) Accela ChemBio was founded by bio-pharmaceutical veterans from US and China in 2007, with offices in San Diego, USA, and R&D center and pilot plant in Shanghai, China. Our mission is to provide high quality, innovative products to our valuable customers. Our Management Team has had extensive expertise and excellent track records in Synthetic, Process Chemistry, Discovery, Project Management, CRO, QC/QA, Pilot plant, and GMP manufacturing. We offer advanced chemical reagents and pharmaceutical intermediates; many are novel with drug-like properties; main categories include scaffolds and building blocks; acids, aldehydes, amines, amino acids & derivatives, boronic acids, heterocycles, chiral compounds. **729**

**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. Accelrys enables its 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. Our 1,200 customers include most of the world's leading pharmaceutical, biotechnology, chemical, energy and consumer packaged goods companies. **1008**

**Accendo Corp.**, 2027 Mezes Ave., Belmont, CA 94002-1744, 650-576-3184, fax: 520-300-7000, e-mail: [info@accendocorporation.com](mailto:info@accendocorporation.com), Internet: [www.accendocorporation.com/index.html](http://www.accendocorporation.com/index.html). **216**

**ACS Celebrates 2011 Int'l Year of Chemistry**, 1155 16th 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. **1124**

**ACS Committee on Safety**, 1155 16th Street, NW, Washington, DC 20036, 202-833-2105, fax: 202-833-7732, e-mail: [m\\_gmurczyk@acs.org](mailto:m_gmurczyk@acs.org), The Committee on Chemical Safety has as its primary responsibility the encouragement of safe practices in chemical activities. The committee serves as a resource for chemical professionals 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 and stimulating education in safe chemical practices. In addition, the committee provides advice to other American Chemical Society units on matters related to chemical safety and health. **838**

**ACS Division Chemistry and the Law (CHAL)**, 201 Tamai Vista Blvd., Corte Madera, CA 94925, 415-927-5200, fax: 415-927-5210, e-mail: [carl@lwt.com](mailto:carl@lwt.com), Internet: [www.acs-chal.org/](http://www.acs-chal.org/) The lawyer is in. As part of his "Enterprise 2015" project, Bill Carroll, past ACS president, challenged the Division of Chemistry and the Law to help ACS members with their legal needs. CHAL responded with a lawyer referral service and a speaker's bureau. For the referral service, CHAL members will answer legal questions from ACS members, refer them to an attorney who can help them, or if appropriate, represent them. For the speaker's bureau, CHAL will provide attorneys to speak to ACS members about topics of mutual interest. To request a referral or a speaker, e-mail Carl Lippenberger at [carl@lwt.com](mailto:carl@lwt.com). **725**

**ACS Division of Small Chemical Businesses**, 1155 16th Street, NW, Washington, DC 20036, 800-227-5558, Internet: <http://membership.acs.org/S/SCHB>. **824**

**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. **720**

**ACS Forecasting Headquarters**, What do high energy density materials, electrical energy storage, conducting polymers, micro synthesis, robotics, and sustainability have in common? They all factor into the Future Forecasting Lab taking place during the national meeting. Stop by for some fuel — both for your brain and your stomach — whether you are participating, or want to learn more about it. **1529**

**ACS Green Chemistry Institute®**, 1155 16th Street, NW, Washington, DC 20036, 202-872-6102, fax: 202-776-8009, e-mail: [gci@acs.org](mailto:gci@acs.org),

Internet: [www.acs.org/greenchemistry](http://www.acs.org/greenchemistry) The ACS Green Chemistry Institute® (ACS GCI) is the only Institute owned by the American Chemical Society, the world's largest independent membership organization chartered by the US Congress and representing professionals in all fields of chemistry and related sciences. ACS GCI's mission is to catalyze and enable the implementation of green chemistry and green engineering principles into all aspects of the global chemical enterprise. This is accomplished via the Annual Green Chemistry and Engineering Conference, Green Chemistry Summer School, green chemistry technical resources (GreenChemEx database, ANSI standard for greener chemicals and processes), and workshops and publications supporting green chemistry. **1025**

**ACS Meetings & Expositions**, 1155 16th 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. **1021**

**ACS Member Insurance Program**, 1155 16th Street, NW, 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 Discount Medical Cards. To receive more information or to sign up for one of the plans or services stop by the Member Insurance booth. **1017**

**ACS Office of Public Affairs**, 1155 16th Street, NW, Washington, DC 20036, 202-872-4479, Internet: [www.acs.org/policy](http://www.acs.org/policy) Stop by for your chance at a prize!!! 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, Local Section Government Affairs, Public Relations Committees, and more. **716**

**ACS Publications**, 1155 16th Street, N.W., Washington, DC 20036, 202-872-6862, fax: 202-872-6005, e-mail: [s\\_jackson@acs.org](mailto:s_jackson@acs.org), Internet: [pubs.acs.org](http://pubs.acs.org) Join ACS Publications to find out about exciting new products and celebrate recent milestones for the most cited, most trusted, and most read publisher in the chemical and related sciences. Take a moment to tell us why you choose to publish in and read ACS journals and receive a special gift. Meet 2010 Priestley Medalist Dr. Richard Zare and get an autographed copy of C&EN. Sign up for C&EN Table of Contents Alerts to receive a gift, and learn more about the newly updated C&EN Online—the quickest way to get breaking news in the chemical industry. **717**

**ACS Web Strategy & Operations**, 1155 16th Street, NW, Washington, DC 20036, 202-872-4548, e-mail: [m\\_parker@acs.org](mailto:m_parker@acs.org), Internet: [www.acs.org](http://www.acs.org) The ACS website strives to keep pace with an ever-changing world on the web and in the chemical enterprise. This spring and summer, exciting new changes are happening on [www.acs.org](http://www.acs.org). A major redesign is underway for Chemistry for Life. A new carousel will brace the

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home page to promote the hottest and most up to date information. And Quick Links are back with the addition of Google Search. The ACS Web team is improving your navigation and enhancing your total online experience. Stop by our booth to preview the new site and provide us your feedback and learn more. **724**

**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 online. Follow us on Twitter: /adesisinc. **631**

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**Advanced Chemistry Development, Inc.**, 110 Yonge Street, 14th Floor, Toronto, ON, Canada M5C 1T4, 416-368-3435, fax: 416-368-5596, e-mail: info@acdlabs.com, Internet: www.acdlabs.com Advanced Chemistry Development, Inc., (ACD/Labs) develops desktop and enterprise software solutions for chemical, biochemical, and pharmaceutical R&D. 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 help protect and leverage valuable research knowledge. Visit us online. **621**

**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 biodegradable and biocompatible polymer materials to fill the need for scientific advancement in pharmacy and cosmetics. Other polymers and copolymers are also produced for engineering R&D. We provide custom synthesized polymers upon demand and according to our customers' specifications. **1011**

**Agilent Technologies EMG**, 4330 W. Chandler Blvd., Chandler, AZ 85226, 480-756-5900, fax: 480-756-5950, Internet: www.agilent.com/find/atm 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 for a demonstration. **1309**

**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. **1308**

**AIP (Journal of Chem. Physics)**, 2 Huntington Quadrangle, Suite 1 NO1, Melville, NY 11747, 516-576-2485, fax: 516-576-2374, e-mail: plurrice@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. **113**

**Aist-nt Inc.**, 353 Bel Marine Keys Blvd., Suite 7-8, Novato, CA 94949 415-884-9500, fax: 415-884-9500, e-mail: info@aist-nt.com, Internet: www.aist-nt.com. **535**

**Aldrich/Sigma-Aldrich**, 3050 Spruce St., St. Louis, MO 63103, 314-286-7727, fax: 314-286-7817, Internet: www.sigmaldrich.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. **926**

**ALEKS Corp.**, 15641 Red Hill Avenue, Suite 150, Tustin, CA 92780, 714-245-7191, fax: 714-245-7190, e-mail: info@aleks.com, Internet: www.aleks.com Backed by two decades of research, ALEKS is a Web-based program that interacts with students much like a human tutor, with the ability to precisely assess a student's knowledge in chemistry and provide individualized instruction to the student. Through an artificial intelligence engine and adaptive questioning, ALEKS accurately assesses a student's knowledge state and then delivers highly-targeted instruction on the exact topics the student is most ready to learn. As a result, ALEKS targets gaps in student skills and enables immediate success in learning new material. **932**

**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. With over 30,000 products listed in its main catalog, Alfa Aesar is the single source for customers' chemical and material needs, from sizes for research to semi-bulk and bulk quantities. The Alfa Aesar Catalog carries organic compounds, high purity inorganics, pure metals, alloys, elements, precious metal compounds and catalysts, rare earths, AA/ICP standards, and more. Virtually all products are in stock for immediate shipment. **900**

**Altoris, Inc.**, 7660-H Fay Ave., #347, LaJolla, CA 92037, 858-259-8161, fax: 858-764-5483, Internet: www.chemapps.com Molecular Informatics solutions that include: SARvision a powerful desktop tool for analyzing large Structure Activity Relationships and identify valuable chemotypes from HTS or docking studies. ChemSABRE, a unique software tool for Substituent Analysis, Bioisosteric Replacements, and Compound Enumeration. ChemDOX an application aimed to help in the processing of chemical

documents, including the processing of chemistry rich patents. For more information please visit us online. **834**

**American Express Open**, 200 Vesey, New York, NY 10285, 212-640-2000, fax: 212-640-9171, e-mail: cleec@czarnowski.com, We'd like to introduce you to the business cards that say you're a business owner. As an American Express OPENSM Cardmember you'll have access to a wide selection of products, tools and services that can help run your business. Track and manage spending online, earn valuable rewards on business purchases, get answers to your questions 24/7, and tap into exclusive resources and information. American Express OPEN can help take your business where you want to go. **127**

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## EXPOSITION

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**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 the world leader in bench-top flow chemistry reactors. The company has the widest portfolio of continuous process instruments for the pharmaceutical, biotech, fine chemical, petroleum, bio-fuel and education markets. Its R&D 100 award winning H-Cube® and scale-up system H-Cube Midi™ are used in hundreds of laboratories globally and have become the new industry standard for hydrogenation. Within three years from the original introduction of its flagship H-Cube product, 20 out of the top 20 pharmaceutical companies have introduced and adopted the technology. **1217**

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**Tosoh Bioscience LLC**, 156 Keystone Drive, Montgomeryville, PA 18936, 215-283-5024, fax: 215-283-5035, Internet: www.separations.us.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. **1125**

**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. **1024**

**UkrOrgSynthesis Ltd.**, Schorsa Street, 29, 01133, Ukraine, 38-044-531-9497, fax: 38-044-531-9497, e-mail: uos@ukrorgsynth.com, Internet: www.ukrorgsynth.com UkrOrgSynthesis (UORSY) is a young fast-growing supplier of chemicals for high-throughput screening and drug discovery. UORSY has a collection of more

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**University Science Books**, 55D Gate Five Road, Sausalito, CA 94965, 415-332-5390, fax: 415-332-5393, e-mail: univscibks@igc.org, Internet: www.uscibooks.com University Science Books is proud to feature its all-new 'General Chemistry', Fourth Edition by Donald McQuarrie. Following an atoms-first approach to the pedagogy throughout, this text combines beautifully clear writing, terrific problems, and an elegant design to make it the best book at the best price for students: \$98.50. Not to be missed. Also on display is the long-awaited 'Organotransition Metal Chemistry' by Johh Hartwig, 'Modern Molecular Photochemistry Of Organic Molecules' by Nick Turro et al., and the newest edition of 'Transition Metals In The Synthesis Of Complex Organic Molecules' by Hegedus. **1102**

**USDA, Agricultural Research Service**, 800 Buchanan St., Albany, CA 94710, 510-559-5600, fax: 510-559-5963, e-mail: lorraine.sonoda@ars.usda.gov The Agricultural Research Service (ARS) is the principal scientific research agency of the U.S. Department of Agriculture. As the largest agricultural research organization in the world, ARS employs more than 8,000 people working at diverse locations throughout the United States and in several foreign countries. More than 2,000 of these are research scientists. This year's exhibit showcases current research from ARS' Western Regional Research Center in Albany, California. Career and vacancy information is available. **1417**

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**Waters Corp.**, 575 Epsilon Drive, Suite 100, Pittsburgh, PA 15238, 412-967-5665, fax: 412-967-9446, e-mail: info@tharsfc.com, Internet: www.waters.com/sfc Booth 409 will feature Waters new line of TharSFC solutions including instruments for supercritical fluid extraction, reactions and chromatography. **409**

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