ACS NATIONAL MEETING

252nd ACS National Meeting

Philadelphia, Aug. 21–25

“Chemistry of the People, by the People, for the People” will be the theme in Philadelphia this August. A plenary session on that topic will be held on Sunday, Aug. 21, from 3 to 6 PM and will feature Willie May of the National Institute of Standards & Technology; Kimberly Prather of the University of California, San Diego; and Rolf Halden of Arizona State University. Many notable symposia are scheduled, including “Science & Human Rights” and “Chemistry in the U.S. & China: Current & Future States of Shared Scientific Interests & Opportunities for Cooperation.”

ACS President Donna Nelson will host 27 technical divisions and five committees in original programming over 860 half-day oral sessions and 145 poster sessions, including Sci-Mix. More than 9,000 papers and nearly 2,800 posters will be presented at the meeting.

Nelson will sponsor several presidential events related to the meeting theme. A symposium to honor the 2016 Citation for Chemical Breakthrough Awards will be held the morning of Sunday, Aug. 21. On Monday, Aug. 22, “Fracking: Economics vs. Environment” will explore the implications of hydraulic fracturing. Details on these and other presidential events can be found at www.acs.org/philadelphia2016.

Many education-focused programs for high school teachers, undergraduate and graduate students, postdocs, and chemical professionals will be offered. A range of professional development courses will be available; ACS Professional Education Short Courses have a separate registration and fee. For job seekers and employers, the career fair will provide opportunities for on-site interviews, one-on-one career assistance, and career-related workshops.

The exposition will feature more than 250 companies showcasing services, instruments, books, and lab equipment in more than 300 booths.

Philadelphia offers a wealth of historic and cultural sites and activities. Stop by the Philadelphia Museum of Art and run up the Rocky Steps, explore offbeat medical marvels at the Mütter Museum, stroll through a maze of mosaics in Philadelphia’s Magic Gardens, or take a step back in time at Independence National Historical Park.

—ALEXANDRA TAYLOR

REGISTRATION

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>FEES</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEMBERS</td>
<td></td>
</tr>
<tr>
<td>ACS member or society affiliate</td>
<td>$500</td>
</tr>
<tr>
<td>Postdoctoral member</td>
<td>500</td>
</tr>
<tr>
<td>Emeritus or retired member</td>
<td>255</td>
</tr>
<tr>
<td>50-year member</td>
<td>No fee</td>
</tr>
<tr>
<td>Unemployed member (Dues waiver required)</td>
<td>No fee</td>
</tr>
<tr>
<td>Precocious teacher</td>
<td>105</td>
</tr>
<tr>
<td>Graduate student</td>
<td>210</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>105</td>
</tr>
<tr>
<td>One-day registrant</td>
<td>255</td>
</tr>
<tr>
<td>NONMEMBERS</td>
<td></td>
</tr>
<tr>
<td>Chemical scientist</td>
<td>$880</td>
</tr>
<tr>
<td>Postdoctoral scientist</td>
<td>880</td>
</tr>
<tr>
<td>Visitor: Nonchemical scientist or chemical technician</td>
<td>500</td>
</tr>
<tr>
<td>Precocious teacher</td>
<td>105</td>
</tr>
<tr>
<td>Graduate student</td>
<td>415</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>210</td>
</tr>
<tr>
<td>One-day registrant</td>
<td>500</td>
</tr>
<tr>
<td>Guest of registrant*</td>
<td>45</td>
</tr>
</tbody>
</table>

EXPOSITION-ONLY VISITORS

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>FEES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult, exposition only</td>
<td>$50</td>
</tr>
<tr>
<td>Student, exposition only</td>
<td>25</td>
</tr>
</tbody>
</table>

* Registration is restricted to a spouse or family member of a registered attendee having no affiliation with the field of chemical science and who is not eligible to become an ACS member. Only one guest registration is allowed per registering attendee, and the guest registration must be completed and paid by the registering attendee at the time of original registration.
Registration

All attendees, including speakers and poster presenters, must register for the meeting to participate in the technical sessions. Sponsored speakers should contact their symposium organizer or division program chair to clarify the terms of their invitation and to determine who will complete the speaker’s registration. Attendees must display their badge at all times for admission to all official ACS sessions and events.

Early registration. Attendees within the U.S. who registered prior to June 29 will receive their badge credentials by mail before the meeting. International registrants must pick up their badge credentials at ACS attendee registration (this includes Canada and Mexico).

Standard & on-site registration. Attendees who register after June 29 must pick up their badge credentials on-site at attendee registration areas. On-site registration will be available at the Pennsylvania Convention Center (PACC), Grand Hall; the Sheraton Philadelphia City Center (SPCC), Liberty Ballroom Foyer; and the Sonesta Hotel (SH), Homer Room Foyer. Cash transactions will not be available at the satellite registration areas. Only checks and credit cards can be used to make purchases at the satellite registration areas. ACS attendee registration will open at PACC, Grand Hall, on Saturday, 3 to 6 PM; Sunday, 7:30 AM to 7:30 PM; Monday, 7:30 AM to 9 PM; Tuesday, 7:30 AM to 5 PM; Wednesday, 7:30 AM to 4 PM; and Thursday, 7:30 AM to 1 PM. The satellite registration areas will follow the same schedule but are subject to change depending on the activity at the location.

Satellite registration & on-site program pickup. Printed copies of the on-site program book will no longer be available for free. In support of ACS’s sustainability efforts, we encourage the use of the ACS Philadelphia mobile app and digital program for quick access to the meeting’s full technical program, maps, and search features.

Prefer a printed on-site program? The on-site program book will now be available for a $20 fee. The author index will be included in the printed program book. Purchase your copy during the registration process or visit the locations listed below. Limited quantities will be available. Replacement copies also cost $20. Cash transactions will not be permitted at the satellite registration areas. Only credit cards or checks can be used to make purchases at the satellite registration areas. Printed programs can be picked up or purchased at the following locations:

- Pennsylvania Convention Center, Grand Hall
- Sheraton Philadelphia City Center, Liberty Ballroom Foyer
- Sonesta Hotel, Homer Room Foyer

Learn about ACS national meeting sustainability efforts at www.acs.org/greenermeetings.com. Questions? Contact nationalmeetings@acs.org.

Travel

TRANSPORTATION DISCOUNTS. ACS has negotiated special travel discounts with the following partners. To get the best rates and avoid service fees, it is recommended to make reservations online (except for Amtrak).

AIRLINES:
Delta
delta.com/meeting; (800) 328-1111
Discount code: NMMMK

United Airlines
united.com; (800) 426-1122
Discount code: ZWFB960724

Southwest Airlines
swabiz.com
Discount code: 99331750
(online only)

TRAIN:
Amtrak
(800) 872-7245
Discount code: X57Z-939
(phone reservations only)

CAR RENTAL:
Avis
avis.com; (800) 331-1600
Discount code: B923099

Hertz
hertz.com; (800) 654-2240
Discount code: CV#02UZ0015

AIRPORT GROUND TRANSPORTATION.
Philadelphia International Airport is located just 7.2 miles southwest of downtown Philadelphia and is conveniently accessible by I-95, I-76, and Route 291. SEPTA (Southeastern Pennsylvania Transportation Authority) is the region’s public transit system, and it provides bus and regional rail service from the airport to downtown Philadelphia and points beyond. For more information, call (215) 580-7800 or visit septa.org.

Taxis. All taxi rates are calculated per trip, not per person. Most taxis can accommodate up to three passengers. In some cases, certain vehicle types can accommodate four passengers. There is a $10 minimum fare from the airport to any destination. Metered fares are an initial $2.70 plus $2.30 per mile. An additional $1.00 per passenger ($3.00 maximum) after the first passenger will be charged on flat-rate trips between the airport and Center City for passengers over age 12. An additional $1.50 airport fee will be charged. There is a $28.50 flat rate from the airport to the central Philadelphia area. All taxis accept credit cards.

For additional information, contact the ground transportation hotline at (215) 937-6958.

TRAVELING TO MEETING VENUES.
The Pennsylvania Convention Center is located at 1101 Arch St., Philadelphia, PA 19104. ACS shuttle. Complimentary shuttle service will be provided between the Pennsylvania Convention Center and official ACS hotels, with the exception of hotels within walking distance.

Parking. There are many parking options—both garages and lots—conveniently located within blocks.

Events & activities

A variety of organizers will host special events during the meeting. Event participation is open to all interested registrants.

ACS badge reprint policy

1st badge reprint: No charge; upon proper identification and confirmation of registration payment, a duplicate badge is issued.

2nd badge reprint: Attendee completes a duplicate badge request, shows identification, a charge of $25 is paid (cash/credit card), a duplicate badge is issued.

3rd badge reprint: Attendee completes a duplicate badge request, shows identification, a charge of $50 is paid (cash/credit card), a duplicate badge is issued.

Beyond 3rd badge reprint: Attendee completes a duplicate badge request, shows identification, a charge of $100 is paid (cash/credit card), a duplicate badge is issued.
All nonticketed events require a visible registration badge for entry. Tickets are sold on a first-come, first-served basis. Ticket sales will close at 6 PM the evening prior to the event. Some event organizers may offer a limited number of tickets for sale at the door of the events. The deadline for cancellation and refund requests was July 20.

Locations and times are subject to change. To learn more about these events and to buy tickets or register, visit www.acs.org/philadelphia2016.

▸ Friday, Aug. 19

CHAS Workshop: Laboratory Waste Management
8 AM to 5 PM, Pennsylvania Convention Center, Room 123

CHAS Workshop: Cannabis Extraction & Analysis
8 AM to 5 PM, Pennsylvania Convention Center, Room 124

CHAS Workshop: Laboratory Safety Workshop
8 AM to 5 PM, Pennsylvania Convention Center, Room 125

▸ Saturday, Aug. 20

CHAS Workshop: How To Be a More Effective Chemical Hygiene Officer
8 AM to 5 PM, Pennsylvania Convention Center, Room 123

CHAS Workshop: Chemical Reactivity Hazards: Laboratory-Scale Recognition & Control
8 AM to 5 PM, Pennsylvania Convention Center, Room 124

CHAS Workshop: Meeting New Chemical Safety Expectations in Instructional Laboratories
8 AM to 5 PM, Pennsylvania Convention Center, Room 125

COACh: Basics of Entrepreneurship & Commercialization of Research
8:30 AM to 5 PM, Sofitel Philadelphia, Lille Room

COAChing Powerful Postdocs: Career Launch & Acceleration
8:30 AM to 5 PM, Sofitel Philadelphia, Montpellier Room

COACh—the-COAChes Training
8:30 AM to 5 PM, Sofitel Philadelphia, Montpellier Room

ACS Presidential Outreach Event
10 AM to 2 PM, Franklin Institute, 222 North 20th St.

COACh Reception
5 to 7 PM, Sofitel Philadelphia, Marseilles Room

▸ Sunday, Aug. 21

The Science behind Pixar
6 AM to 8 PM, Franklin Institute, 222 North 20th St.

SCHB Member Breakfast
7 to 8 AM, Hilton Garden Inn Philadelphia Center City, Garden Room

Division of Physical Chemistry Undergraduate Research Symposium
8 AM to noon, DoubleTree by Hilton Hotel Philadelphia Center City, Aria A/B

Undergraduate Hospitality Center
8:30 AM to 5 PM, Sheraton Philadelphia Downtown Hotel, Liberty Ballroom D

Networking Basics for Students
9 to 10:15 AM, Sheraton Philadelphia Downtown Hotel, Liberty Ballroom B

ChemIDP Focus Group
10 AM to noon, Pennsylvania Convention Center, Room 120A

SCHB Poster Session
10 AM to noon, Hilton Garden Inn Philadelphia Center City, Rittenhouse

Graduate School Reality Check, Part I: Getting In!
10:30 AM to noon, Sheraton Philadelphia Downtown Hotel, Liberty Ballroom B

ACS Board Luncheon & Meeting
11:45 AM to 1 PM, Pennsylvania Convention Center, Ballroom A

CHED High School/College Interface Luncheon/SE-01/$45
Noon to 1 PM, Pennsylvania Convention Center, Room 201A

Graduate School Reality Check, Part II: You’re In—Now What?
Noon to 1:30 PM, Sheraton Philadelphia Downtown Hotel, Liberty Ballroom B

ChemIDP: Planning Your Career Workshop
2 to 4 PM, Pennsylvania Convention Center, Room 111A

Networking Social with Graduate School Recruiters
2 to 5 PM, Sheraton Philadelphia Downtown Hotel, Liberty Ballroom C/D

Flow Chemistry Seminar
3:30 to 6 PM, Pennsylvania Convention Center, Room 303

IAC Networking Globally: Science & Human Rights/SE-02/no charge
4 to 5:15 PM, Philadelphia Marriott Downtown, Grand Ballroom Salon C

Faculty & Postdoc Afternoon Networking Coffee Break
4 to 6 PM, Pennsylvania Convention Center, Room 113B

PRES Poster Session
4:30 to 6:30 PM, Philadelphia Marriott Downtown, Grand Ballroom Salon C

ACS Diversity Reception
5 to 7 PM, Philadelphia Marriott Downtown, Franklin 11/12

University of Wisconsin, Madison, Alumni & Friends
ACS Reception
5 to 7 PM, Philadelphia Marriott Downtown Courtyard by Marriott, Washington

University of Illinois Alumni & Friends
CHED Social Reception
5 to 7 PM, Philadelphia Convention Center, Room 120C

COLL Open Business Meeting
5:30 to 6:30 PM, Pennsylvania Convention Center, Room 120A

AGFD Poster Session & Reception
5 to 7 PM, Pennsylvania Convention Center, Terrace Ballroom I

Penn State University Alumni Reception
5:30 to 7:30 PM, Loews Philadelphia Hotel, Concierge

CHED Social Reception
5 to 7 PM, Pennsylvania Convention Center, Room 201C

COLL Poster Session/Social Hour
5:30 to 8 PM, Pennsylvania Convention Center, Halls A/B

FOR UP-TO-DATE EVENT LISTINGS, VISIT
www.acs.org/philadelphia2016
Monday, Aug. 22

YCC Fun Run/SE-22/$25 (regular)/SE-23/$15 (undergraduates)
6:45 to 8:30 AM, Pennsylvania Convention Center

Women in the Chemical Enterprise Breakfast/SE-05/$40 (regular)/SE-05a/$20 (student)
7:30 to 9 AM, Philadelphia Marriott Downtown, Grand Ballroom Salon I/J

Undergraduate Hospitality Center
8:30 AM to 5 PM, Sheraton Philadelphia Downtown Hotel, Liberty Ballroom D

Chemists Are Everywhere! The Spectrum of Careers in Chemistry
9 to 10 AM, Sheraton Philadelphia Downtown Hotel, Liberty Ballroom C

Safeguard Your Career by Learning the Dos & Don’ts of Data Analysis & Reporting
9:30 AM to noon, Pennsylvania Convention Center, Exhibit Halls A/B, Room 2

Green Cards for Scientific Researchers: How To Apply for & Win Your EB-1/NIW Case!
9:30 AM to noon, Pennsylvania Convention Center, Room 303

Wiley Spectra Lab
9:30 AM to noon, Pennsylvania Convention Center, Exhibit Halls A/B, Room 1

What It Means To Be “We the Chemists” Today
10:15 to 11:15 AM, Sheraton Philadelphia Downtown Hotel, Liberty Ballroom C

ACS Women Chemists of Color Networking Event/SE-24/no charge
10:30 AM to noon, Philadelphia Marriott Downtown, Grand Ballroom Salon C

ACS on Campus
10:30 AM to noon, Pennsylvania Convention Center, Ballroom A

Committee on Minority Affairs Luncheon/SE-06/$50 (regular)/SE-06a/$25 (student)
11:30 AM to 1:30 PM, Philadelphia Marriott Downtown, Independence Ballroom

ENFL Business Meeting Social
Noon to 1 PM, Pennsylvania Convention Center, Room 107A

CHAL Drug & Power Lunch/SE-08/$40
Noon to 1:30 PM, Pennsylvania Convention Center, Room 202A

Eminent Scientists Lecture & Luncheon/SE-07/$35 (regular)/no charge (undergraduates)
11:30 AM to 1:30 PM, Sheraton Philadelphia Downtown Hotel, Liberty Ballroom D

Ailgent Workshops at ACS
12:30 to 4 PM, Pennsylvania Convention Center, Exhibit Halls A/B, Room 1

Graphing & Analysis Using Origin 2016
12:30 to 3 PM, Pennsylvania Convention Center, Exhibit Halls A/B, Room 2

Structure Verification & Elucidation by NMR: Software Tools for the Chemist
12:30 to 3 PM, Pennsylvania Convention Center, Room 303

AGRO Break/Poster Room
1 to 5 PM, Loews Philadelphia Hotel, Regency Ballroom B

ACS on Campus
1:30 to 3 PM, Pennsylvania Convention Center, Ballroom A

ACS Fellows Ceremony & Reception
2 to 4:30 PM, Philadelphia Marriott Downtown, Grand Ballroom Salons G/H

Undergraduate Research Poster Session
2 to 4 PM, Pennsylvania Convention Center, Halls D/E

ENFL Poster Session
2 to 4 PM, Pennsylvania Convention Center, Halls A/B

ChemiDP Focus Group
2 to 5 PM, Pennsylvania Convention Center, Room 109A

ACS Publications Focus Group
3:30 to 6 PM, Pennsylvania Convention Center, Room 303

Student Speed Networking with Chemistry Professionals
4 to 5:30 PM, Pennsylvania Convention Center, Hall G

CHAL Reception
6 to 8 PM, Pennsylvania Convention Center, Room 201B
Trenton Local Section Members, the College of New Jersey Alumni & Rider University Alumni Happy Hour
6:30 to 8:30 PM, Field House, 1150 Filbert St.

University of Pennsylvania Alumni Reception
6:30 to 8:30 PM, Chemical Heritage Foundation, 315 Chestnut St.

ACS Graduate & Postdoctoral Scholars Reception/SE-21/no charge (graduate students)
7 to 8:30 PM, Pennsylvania Convention Center, Ballroom A

Sci-Mix Poster Session (drink ticket included with registration)
8 to 10 PM, Pennsylvania Convention Center, Halls D/E

Tuesday, Aug. 23

Regional Meeting Roundtable
6 to 9 AM, Pennsylvania Convention Center, Room 202A

Senior Chemists Breakfast/SE-10/$20
7:30 to 9:30 AM, Philadelphia Marriott Downtown, Liberty Ballroom

University of Minnesota Alumni & Friends Breakfast/SE-11/$5.00
7:30 to 9:30 AM, Pennsylvania Convention Center, Ballroom A

Increasing Successful Awards Nominations from Underrepresented Groups/SE-12/no charge
9:15 to 10:45 AM, Philadelphia Marriott Downtown, Franklin 8/9

ACS on Campus
9:30 to 11 AM, Pennsylvania Convention Center, Room 125

CAS Solutions
9:30 AM to noon, Pennsylvania Convention Center, Exhibit Halls A/B, Room 1

Wiley Author Services Presentation
9:30 AM to noon, Pennsylvania Convention Center, Exhibit Halls A/B, Room 2

Compact Mass Spectrometry: A User’s Perspective
9:30 AM to noon, Pennsylvania Convention Center, Room 303

Spectroscopy Foundation to Future
9:30 AM to noon, Pennsylvania Convention Center, Room 303

Hidden Gems in Philly
10 AM to noon, Franklin Square, 200 North Sixth St.

CHAS Poster Session
10:30 AM to noon, Philadelphia Marriott Downtown, Grand Ballroom K/L

WCC/Eli Lilly Travel Award Poster Session
11 AM to noon, Philadelphia Marriott Downtown, Liberty Ballroom

CINF Luncheon/SE-13/$25
Noon to 1:30 PM, Loews Philadelphia Hotel, Howe Room

COLL Luncheon/SE-14/$45
Noon to 1:30 PM, Philadelphia Marriott Downtown, Franklin 13

WCC Luncheon/SE-15/$50 (regular)/SE-15A/$25 (student)
Noon to 1:30 PM, Philadelphia Marriott Downtown, Liberty Ballroom

Nano Lunch & Learn
Noon to 1 PM, Pennsylvania Convention Center, Room 125

German R&D in Chemistry
12:30 to 3 PM, Pennsylvania Convention Center, Exhibit Halls A/B, Room 1

Reverse Engineering of Materials & Polymers Using Infrared & Raman Spectroscopy
12:30 to 3 PM, Pennsylvania Convention Center, Exhibit Halls A/B, Room 2

Accelerating Innovation in Analytical Approaches
12:30 to 3 PM, Pennsylvania Convention Center, Room 304

Meet the Federal Grant Funders & Speed Coaching with Program Officers
1 to 5 PM, Pennsylvania Convention Center, Room 122B

AGRO Break/Poster Room
1 to 5 PM, Loews Philadelphia Hotel, Regency Ballroom B

Division Officer & Councilor Caucus (DOC/DCC)
4 to 5:30 PM, Pennsylvania Convention Center, Room 123

Just Cocktails: WCC Open Meeting
4 to 5 PM, Philadelphia Marriott Downtown, Liberty C

Purdue Chemistry Social/SE-09/$10
4:30 to 7 PM, Loews Philadelphia Hotel, Franklin Room

Temple University Alumni & Friends Reception
5 to 7 PM, Ritz-Carlton Hotel, 10 Avenue of the Arts

MEDI Hall of Fame
5:30 to 7:30 PM, Pennsylvania Convention Center, Ballroom A

Chinese-American Chemical Society Dinner Banquet/SE-16/$35
5:30 to 9 PM, Joy Tsin Lau Chinese Restaurant, 1026 Race St.

Presidential LGBTQ+ Reception
5:30 to 7:30 PM, Philadelphia Marriott Downtown, Liberty A

Division Officer & Councilor Caucus Reception
5:30 to 6:30 PM, Pennsylvania Convention Center, Room 125

University of Texas, Austin, Happy Hour
5:30 to 7:30 PM, Pennsylvania Convention Center, 120C

INOR Poster Session
5:30 to 7:30 PM, Pennsylvania Convention Center, Hall D

AGRO Blues-N-Brews
5:30 to 8 PM, Sheraton Philadelphia Downtown, Regency Ballroom A

ANYL Dinner/SE-17/$40 (regular)/SE-17A/$20 (student)
6 to 9 PM, Chemical Heritage Foundation, 315 Chestnut St.

COMP Poster Session
6 to 8 PM, Pennsylvania Convention Center, Hall E

Event participation is open to all interested registrants. Some events require a ticket or registration to participate. Payment and ticket requirements, when applicable, are indicated in the event list. All nonticketed events require a visible registration badge for entry. View an updated listing of events and activities at www.acs.org/philadelphia2016.
I&EC & CATL Poster Session
6 to 8 PM, Pennsylvania Convention Center, Hall D

ENFL Dinner Awards/SE-18/$60
6 to 9 PM, R2L, 50 South 16th St.

GEOC Reception
6 to 9 PM, McGillin’s Olde Ale House, 1310 Drury St.

NUCL Social Hour
6 to 7 PM, Philadelphia Downtown Courtyard by Marriott, Grand Ballroom Foyer

PMSE/POLY Poster Session
6 to 8 PM, Pennsylvania Convention Center, Hall G

ENVR Fall Reception/SE-19/$20
6 to 8 PM, Ladder 15, 1528 Sansom St.

TOXI Poster Session
6:30 to 8:30 PM, Pennsylvania Convention Center, Ballroom B

Herman Skolnik Award Reception Honoring Dr. Evan Bolton & Dr. Steve Bryant
6:30 to 8:30 PM, Loews Philadelphia Hotel, Howe

BIOL Poster Session
7 to 9 PM, Loews Philadelphia Hotel, Millennium

ENVR Dinner/SE-20/$60
7:30 to 9 PM, Ocean Prime, 124 South 15th St.

ORGN Poster Session
8 to 10 PM, Pennsylvania Convention Center, Hall D

ChemLuminary Awards Poster Reception
8 to 8:45 PM, Pennsylvania Convention Center, Terrace Ballroom I

ChemLuminary Awards Ceremony
9 to 10 PM, Pennsylvania Convention Center, Terrace Ballroom I

ChemLuminary Awards Afterglow Party
10 PM to midnight, Pennsylvania Convention Center, Terrace Ballroom I

Wednesday, Aug. 24

Council Meeting
6 AM to 1 PM, Philadelphia Marriott Downtown, Grand Ballroom Salon E/H

Liberty Blue User Meeting
7:30 AM to 3 PM, Philadelphia Marriott Downtown, Independence I/II

Structure-Based Drug Design & Ligand Modification
3:30 to 6 PM, Pennsylvania Convention Center, Room 304

INOR Poster Session
5:30 to 7:30 PM, Pennsylvania Convention Center, Hall D

POLY/PMSE Award Lecture & Reception
5:30 to 8 PM, Sheraton Philadelphia Hotel, Liberty Ballroom C/D

AGRO Awards Social
6 to 8 PM, Loews Philadelphia Hotel, Regency Ballroom B

ENVR, PHYS & GEOC Poster Sessions
6 to 8 PM, Pennsylvania Convention Center, Hall D

MEDI & ORGN General Poster Social
7 to 11 PM, Pennsylvania Convention Center, Hall E

Be a Part of History at the ACS Booth in Philadelphia

The ACS Booth is your opportunity to experience the world’s largest scientific society all on one carpet!

- Experience SciFinder® and all the latest research workflow solutions from CAS.
- Learn about the newest ACS Journals from ACS Publications, including ACS Omega and ACS Energy Letters.
- Discuss how to achieve your career goals with ACS Career Navigator™.
- Tell us how you connect, share, discover, and advance at MyACS.
- Enter contests and receive giveaways, including tablets, gift cards, and more!

Visit us in the ACS Booth!
American Chemical Society

EXHIBIT HOURS
Sunday, August 21 • 6:00 pm – 8:30 pm
Monday, August 22 • 9:00 am – 5:00 pm
Tuesday, August 23 • 9:00 am – 5:00 pm

Whether looking for educational resources, powerful research tools, ACS Member Insurance, C&EN, future meeting dates and locations, mole dolls or other ACS merchandise, WE HAVE IT ALL FOR YOU.
Exposition

SEE WHAT’S NEW INSIDE THE EXPOSITION. Visit the ACS National Exposition at the Pennsylvania Convention Center (PACC), Halls A/B, from Sunday, Aug. 21, through Tuesday, Aug. 23. The show hours will be Sunday, 6 to 8:30 PM, and Monday and Tuesday, 9 AM to 5 PM.

Companies will showcase services, instruments, books, computer hardware, scientific software, and an array of chromatographic, lab, and safety equipment. Technical personnel will give demonstrations, answer questions, and discuss your needs and interests.

You can also visit the ACS Career Fair Recruiters Row inside the exposition, where employers will showcase their products and services. Also, join us at the ACS booth in the middle of the exposition floor, where ACS staff members will present the many benefits, services, products, and merchandise offered by ACS.

Online exposition. The online exposition is a component within the exhibitor directory that enables attendees to view videos, press releases, brochures, and flyers of participating exhibitors. Access the online exposition at www.acs.org/philadelphia2016 to learn more about exhibiting companies and download product information that meets your needs.

Free exhibitor workshops. Free workshops will be hosted by exhibitors on the exposition floor and in private rooms inside PACC. These workshops will introduce new products and services, build skills with specific tools and techniques, and highlight innovative applications that may improve your productivity. Register at www.acs.org/philadelphia2016 to reserve your seat.

Presentations & special events. Join us on Sunday from 6 to 8:30 PM for the attendee welcome reception. Also, visit the town center inside the exposition to view poster sessions and connect with colleagues. Have an afternoon break while meeting the ACS president-elect candidates inside the exposition on Monday from 1 to 3 PM.

Watch for tweets to visit the exposition for special prizes from Monday through Tuesday, then take another afternoon break on Tuesday from 3 to 5 PM and visit the exhibitors before the exposition closes.

Internet & technology. Get free internet access and leave messages for one another at the meeting mail terminals inside the town center. Enjoy free Wi-Fi service at designated areas in PACC.

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 $35. Students with school identification can obtain an expo-only badge for $25. Registration can be handled online or in person at ACS attendee registration in PACC, Grand Hall, and at our satellite registration areas at the Sheraton Philadelphia Downtown Hotel and Sonesta Philadelphia Downtown.

Exhibitor Workshops

► Sunday, Aug. 21

Flow Chemistry Seminar. Sponsor: ThalesNano Nanotechnology, 3:30 to 6 PM, PACC, Room 303. Flow Chemistry Seminar featuring industry legends. The meeting is dedicated to the integration of flow chemistry into everyday practice throughout the world by delivering the latest knowledge and making it available for the entire chemistry community.

► Monday, Aug. 22

Identify Unknown Compounds Confidently with Wiley Spectra Lab. Sponsor: Wiley, 9:30 AM to noon, PACC, Exhibit Halls A/B, Exhibitor Workshop Room 1. Join us on Monday, Aug. 22, at 10 AM at Exhibitor Workshop Room 1 to learn how Wiley Spectra Lab can help you identify unknown compounds with confidence. With over 2.2 million spectra, Wiley Spectra Lab is the largest and broadest collection commercially available, powered by KnowItAll AnyWare, a fast, advanced analytical platform. Its advanced search features enable rapid and accurate searching of spectral data that far exceeds the performance of most commercially available software. In this session we will cover Wiley Spectra Lab Cloud Service, Desktop, Server, and QC expert.

Safeguard Your Career by Learning the Dos & Don’ts of Data Analysis & Reporting. Sponsor: Journal of Biological Chemistry (ASBMB), 9:30 AM to noon, PACC, Exhibit Halls A/B, Exhibitor Workshop Room 2. It seems like every other day there’s another story in the news about a researcher manipulating data or otherwise misleading the scientific community and the public. Even though the vast majority of researchers are ethical and do their due diligence, institutions and publishers are intensifying their efforts to prevent the fraud and honest or rookie mistakes that can derail researchers’ careers. Still, though, many scientists have a hard time distinguishing between, for example, acceptable and unacceptable enhancements to manuscript figures.

The Journal of Biological Chemistry presents a discussion about what JBC editors look for when it comes to data analysis and reporting.

Green Cards for Scientific Researchers: How To Apply for & Win Your EB-1/NIW Case! Sponsor: Getson & Schatz, 9:30 AM to noon, PACC, Room 303. Leading U.S. immigration lawyer Brian Getson, 1995 University of Pennsylvania Law School graduate, will explain how foreign researchers can apply...
for green cards in the U.S. Mr. Getson has represented scientific researchers around the world for 20 years and provides a money-back guarantee to most qualified applicants. At this workshop, Mr. Getson will give a one-hour presentation and then hold a Q&A session. In addition, Mr. Getson and other lawyers from his law firm will be providing free consultations at Booth 820 throughout the conference and a lightning talk for international job seekers at the Career Fair on Tuesday, Aug. 23, at 10 AM.

**Good Chromatography Habits Workshop at ACS. Sponsor: Agilent Technologies, 12:30 to 3 PM, PACC, Exhibit Halls A/B, Exhibitor Workshop Room 1.** Agilent will host an educational workshop on improving your chromatography and mass spectrometry results. This workshop will provide you with valuable tools for achieving better chromatographic results. Whether or not you have an Agilent LC or GC, this seminar is designed to get you the highest performance from your system. Agilent scientists will present on some of the latest solutions, including sample prep, GC, and HPLC. They will also discuss how to understand your sample chemistry to achieve optimum results. Bring your questions, as there will be time to discuss one-on-one with application scientists after the workshops.

**Graphing & Analysis using Origin 2016. Sponsor: OriginLab Corp., 12:30 to 3 PM, PACC, Exhibit Halls A/B, Exhibitor Workshop Room 2.** This workshop will focus on graphing and data analysis using Origin 2016. The first half of the workshop will cover creating and customizing 2-D, 3-D, and specialized graph types, exporting and publishing graphs, saving templates and themes for repeat use, and batch plotting. The second half will cover data analysis including curve fitting, peak analysis, statistics, and batch analysis. Installing apps from our file exchange site will also be covered. A free two-month license for the latest version will be provided to all registered attendees.

**Structure Verification & Elucidation by NMR: Software Tools for the Chemist. Sponsor: Bruker, 12:30 to 3 PM, PACC, Room 303.** Part I: Short Introduction to NMR Methods for Structure Analysis of Small Organic Molecules. We will discuss the structural information that can be obtained from different NMR experiments.

Part II: CMC-se Structure Elucidation. The second part of the workshop will introduce the participant to the features and use of our computer-assisted structure elucidation program. The presentation will contain the required experiments and feature both simple and complex examples.

Part III: CMC-assist Structure Verification. In the last part of the workshop, we will present the features and use of Bruker’s structure verification software. The topics covered will include basic verification based on 1-D 1H spectra and advanced verification with the use of 1H-13C HSQC and HMBC data. We will also include user interaction with the results and configuration of reports.

**ACS Publications Focus Group. Sponsor: ACS Publications Focus Group, 3:30 to 6 PM, PACC, Room 303.** Focus group for ACS Publications outreach.

**Tuesday, Aug. 23**

**CAS Solutions. Sponsor: CAS, 9:30 AM to noon, PACC, Exhibit Halls A/B, Exhibitor Workshop Room 1.** Information on new and current CAS solutions.

**Wiley Author & Editor Exchange. Sponsor: Wiley, 9:30 AM to noon, PACC, Exhibit Halls A/B, Exhibitor Workshop Room 2.** The Wiley Author & Editor Exchange allows authors to have a 15-minute one-on-one meeting with a Wiley journal editor. Sessions are intended to be intimate discussions focused on each author’s individual questions & challenges when getting his or her paper ready for submission. Authors are encouraged to bring their manuscript draft, abstract, or proposal to receive expert advice from the editor.


Contact Rachel Zawada (rzwada@wiley.com) for information about registering.

**Compact Mass Spectrometry: A User’s Perspective. Sponsor: Advion, 9:30 AM to noon, PACC, Room 303.** Advion’s Expression compact mass spectrometer (CMS) is a versatile, single-quadrupole mass spectrometer that connects with a variety of inlet techniques. Its design is meant to be robust, reliable, and easy to use. During this workshop, attendees will hear from a variety of application areas about how the CMS has solved their chemistry workflow challenges.

**Spectroscopy Foundations to Futures. Sponsor: Thermo Scientific, 9:30 AM to noon, PACC, Room 304.** This workshop is designed to improve your spectroscopy knowledge and skills. See the latest instrumentation in action, and get your questions answered live.

**German R&D in Chemistry. Sponsor:** Research in Germany, 12:30 to 3 PM, PACC, Exhibit Halls A/B, Exhibitor Workshop Room 1. Promotion of Germany as an excellent place for research in chemistry in both the academic and private sectors.

**Reverse Engineering of Materials & Polymers Using Infrared & Raman Spectroscopy. Sponsor: Bruker, 12:30 to 3 PM, PACC, Exhibit Halls A/B, Exhibitor Workshop Room 2.** Vibrational spectroscopy will be presented as an important tool in determining the chemical composition of unknown materials and compounds with the goal of reducing or even eliminating the product development cycle. The following topics will be explored:

- The product development process
- Product disassembly and analysis
- The role of FTIR and Raman microanalysis
- Chemical imaging and depth profiling
- The identification of unknowns

Molecular spectroscopy (infrared and Raman) is among the most powerful...
tools in the reverse-engineering process. Each molecule has a unique infrared and Raman signature, providing great specificity in the identification process. The distribution of components can also be determined by collecting area infrared and Raman images of the product in question. Examples will be shown demonstrating the reverse-engineering process using infrared and Raman spectroscopy, including a live demonstration. Attendees are encouraged to bring samples of interest for analysis.

**Accelerating Innovation in Analytical Approaches.** Sponsor: Thermo Scientific, 12:30 to 3 PM, PACC, Room 304. Part I: Ion Chromatography (IC) Overview and Application, 12:30 to 1:30 PM. Discover the advantages of IC and the breadth of samples that can be analyzed. Learn about IC refinements, including column chemistry, electrolytically regenerated suppression, just-add-water reagent generation, high-pressure IC, and consumables device monitoring.

Part II: Quality ICP-MS Results with Advanced Simplicity, Unmatched Productivity, 1:30 to 2:30 PM. Experience the ease with which elemental analysis at ultratrace levels in varying matrices can be performed using comprehensive interference removal, advanced automation, simple method development, and complete data management with the Thermo Scientific iCAP RQ ICP-MS.

Part III: IC and ICP-MS: Robust Speciation Analysis, 2:30 to 3 PM. Speciation analysis provides information on the chemical form (species) of elements of interest and is fast becoming an essential discipline in health-related applications and global legislations. Is your lab keeping up?

**Wednesday, Aug. 24**

**Structure-Based Drug Design & Ligand Modification.** Sponsor: Chemical Computing Group, 3:30 to 6 PM, PACC, Room 304. The course covers applications for interactive structure-based design. Examples include active site visualization, protein-ligand contact analysis, and ligand modification/optimization in the receptor pocket. Conformational searching and analysis of the ligand to assess ligand flexibility will be discussed. A protocol for aligning and superposing protein complexes in the context of protein selectivity will be studied.

---

**Philadelphia Pennsylvania**

**Poster Session**
Terrace Foyer  •  8pm

**ChemLuminary Awards Ceremony**
Terrace Ballroom One  •  9pm

**Celebration**
Terrace Ballroom One  •  10pm
EXHIBITORS

The following list of exhibitors, as of July 26, 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 Online ACS National Exposition at www.acs.org/Philadelphia2016 to download the updated exhibitor list and access product information.


101, 375 South End Avenue, Apt. 9G, New York, NY, United States 10280, 917-587-7883, Internet: www.101edu.co 101 builds mobile-first teaching and assessment tools for core STEM courses. Our first product, Chem101, helps students visualize abstract concepts such as Lewis structures and VSEPR geometries through dynamic, touch-based interfaces. This is complemented by a suite of in-class and homework tools that engage students during critical problem solving sessions.

1st Detect, 555 Forge River Road, Suite 100, Webster, TX, United States 77598, 713-558-5237, e-mail:imcmickrick@1stdetect.com, Internet: www.1stdetect.com 1st Detect develops and produces micro mass spectrometers for use in a variety of industries including food and beverage, research and military applications. The unit is capable of detecting a wide variety of chemicals while being economically priced and easily transportable, making it ideal for a wide variety of applications.

AAAS/Science & Technology Policy Fellowship, 1200 New York Ave, NW, Washington, DC 20005, 202-326-6700, fax: 202-289-4950, Internet: http://stpaaas.org/ The AAAS Science & Technology Policy Fellowships provide scientists and engineers with a unique opportunity to apply their knowledge and skills to national and international issues, while learning first-hand about establishing and implementing policy. Fellows serve yearlong assignments in all three branches of the federal government in Washington, D.C.

AAPS (Amer Assoc. of Pharm Sci.), 2107 Wilson Blvd, Suite 700, Arlington, VA 22201, 703-243-2800, Internet: www.aaps.org AAPS provides an international forum for the exchange of knowledge among scientists to enhance their contributions to health. We offer scientific programs, ongoing education, networking opportunities, and professional development. Join AAPS and gain access to customized journal searches, pharmaceutical news and discounts on meetings, conferences and more.

Ace Glass, Inc., 1430 N. West Blvd., POBox 688, Vineland, NJ 08360, 800-223-4524, fax: 800-543-6752, e-mail:sales@aceglass.com, Internet: www.aceglass.com Ace Glass has been a leading manufacturer of scientific glassware, lab equipment and glass apparatus. Ace Glass provides a wide variety of quality U.S. manufactured standard and custom scientific glassware, lab equipment and instrument engineering to any customer’s specifications from 100ml-200L.

ACS Career Navigator®, 1155 16th Street, NW, Washington, DC 20036, Internet: www.acs.org/CareerNavigators The ACS Navigator® is home to career services, leadership development, professional education courses and more. A free resource available to all ACS members.

ACS Committee on Chemical Health & Safety, P.O. Box 152329, San Diego, CA, United States 92195, 619-990-4908, Internet: www.acs.org/safety The ACS Committee on Chemical Safety and the Division of Chemical Health and Safety provide this opportunity for you to learn more about chemical safety within the ACS and to have chemical safety experts answer your questions.

ACS Division of Small Chemical Businesses (SCBH), 4344 Moorpark Ave., Ste # 1, San Jose, CA, United States 95129, 408-834-8597, fax: 408-834-7900, e-mail:schboothacs-scbh.org, Internet: www.acs-scbh.org The ACS Division of Small Chemical Businesses (SCBH) has objectives “To encourage, development, and growth of small chemical businesses.” SCBH helps chemists working in small enterprises, including students, with the legal, social, educational, legislative, regulatory, and economic aspects of their unique professional position.

ACS Education, 1155 16th Street, NW, Washington, DC 20036, 202-872-6269, fax: 202-833-7732, e-mail:education@acs.org, Internet: www.acs.org/education The ACS Education Division serves learners and educators by building community and providing effective chemistry education resources, grants, communities, professional development opportunities, standards and guidelines. Stop by our booth to find information that can support your efforts to provide innovative, relevant, and effective chemistry education from kindergarten through professional education.

ACS Green Chemistry Institute®, 1155 16th Street, NW, Washington, DC 20036, 202-872-6102, fax: 202-776-8009, e-mail:gcic@acs.org, Internet: www.acs.org/GCI The ACS Green Chemistry Institute® believes that innovation in sustainable and green chemistry and engineering is critical to our collective human and environmental health challenges. Our mission is to catalyze and enable the implementation of green chemistry and engineering throughout the global chemical enterprise and empower you to re-imagine a sustainable future.

ACS Meetings & Expositions, 1155 Sixteenth Street NW, Washington, DC, United States 20036, 800-227-5558, fax: 202-872-6128, e-mail: m_stevenson@acs.org, Internet: www.acs.org/meetings The ACS Meetings booth displays information on current and future regional meetings also spring and fall National Meetings. 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 for a tour of this year’s conferences. Information on future national meetings will be on display.

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, Internet: www.acs.org/insurance The ACS Member Insurance Program is committed to offering quality comprehensive, cost-effective insurance plans to members and their families. Stop by the ACS station to learn more about the plans available such as Life and Health Insurance, Auto & Home Insurance, Long Term Care Insurance, and much more.

ACS MSNBC 2015, 16th St., NW, Suite OTH420, Washington, DC, United States 20036, Internet: www.acs.org/Member Handbook Visit Membership in the ACS Booth to pick up a copy of the 2016 Member Handbook. A booth Jacob Kious and at least 5 ACS Kiosks and return your completed card to be entered to win one of ten prizes!

ACS Publications, 1155 16th Street, NW, Washington, DC 20036, 202-872-6862, fax: 202-872-6005, e-mail: s.jackson@acs.org, Internet: pubs.acs.org ACS Publications is the leading publisher in chemistry and related sciences. Stop by our booth to receive free gifts and information on our newest open access journal, ACS Omega, and the improved Manuscript Transfer service. Visit ACS theater to meet C&EN’s Talented 12, this year’s rising stars in the world of chemistry and chemical engineering.

ACS Web Strategy & Operations, 1155 16th Street, NW, Washington, DC, United States 20036, 202-872-4548, e-mail:m.parker@acs.org, Internet: www.acs.org The ACS web team seeks to create a more personalized online experience. Help us plan more contextually relevant content for you, based on your interest and profile. Complete the survey and be entered to win a brief survey and receive a gift while supplies last.

Active Spectrum Inc., 1191 Chess Dr., Ste F, Foster City, CA, United States 94404-1192, (650) 212-2625, fax: (650) 212-2627, Internet: www.active-spectrum.com 436

AdvValue Technology, 3470 S. Dodge Blvd, Tucson, AZ 85713, 520-514-1100, fax: 520-747-4024, Internet: www.advvaluetech.com A leading supplier of products made of Alumina, Fused Quartz, Sapphire and Zirconia. Products range from crucibles, combustion boats, tubes/rods, plates/disks, cuvettes, quartz wafers, ceramic membranes for filtration and separation, TGA/DSC sample pans to custom components. We also carry cerium oxide polishing powder and agate mortar for material labs.

Advanced ChemBlocks Inc., 849 Mitten Rd., Suite 11, Burlingame, CA, United States 94010, (650) 692-2368, (650) 560-6477, e-mail:sales@achemblock.com, Internet: www.achemblock.com Advanced ChemBlocks Inc is a research-based manufacturer and world-wide supplier of various novel advanced building blocks and research chemicals for drug discovery. We focus on various advanced building blocks having biological and pharmacological bias. Please check our website www.achemblock.com for more information.

Advanced Polymer Materials Inc., 2264 Che- mired, Francos, Dorval, QC, Canada H9P 1K2, 514-683-8488, fax: 514-683-2070, e-mail:gary.yu@ apmpolymers.com, Internet: www.apmpolymers.com We are a Canada based manufacturing company with R&D capability. We produce polymers and block copolymers for your R&D and production, such as controlled release formulation, therapeutic and biomaterials, etc. We make functional block copolymers. We do contract research, custom synthesis and scaling-up according to your specification.

Advinus Therapeutics Ltd., Quantum Towers, Phase IV, Bayview Gandhi, POBox 411057, +91-7774031271, 020-66393620, 634

Advin, 10 Brown Rd., Ithaca, NY 14850, 607-379-4565, fax: 607-257-5761, Internet: www.adv- advon.com Advin is a leader in MS & synthesis solutions. We offer high performance, compact, affordable single quad mass spectrometer. Its compact size allows it to fit in space-limited labs for direct access and immedi-
CONPLEX Corp., 2-23-17 Takawan, Minato-ku, Shinagawa Center Bldg. 6F, Tokyo, Japan 108-0074, 81-3-6380-8290, fax: 81-3-6380-8299, e-mail:info@conplex.co.jp, Internet: www.conflex.net, CONPLEX offers fast, accurate, automated conformation searching and analysis critical to drug discovery and chemical engineering. CONPLEX can also index crystal structure and optimize, CD/UV/Vi spectra and solvent effect. 1116

Cresset, New Cambridge House, BasingBondum Road, Lltington, Cambridge, United Kingdom SGR 0023 858990, +44 (0)1223 853667, Internet: www.cresset-group.com Cresset’s computational chemistry software and Discovery Services help chemists design and optimize better molecules. Visualize electrostatics, analyze SAR data and activity cliffs, build better chemical libraries, run virtual screens and hsp scaffolds to non-obvious new ccesses tipped by experienced consultants offer flexible working models and thrive on diverse scientific challenges. 1927

Czitek, 6 Franklin Drive, Danbury, CT, United States 06810, 860-480-1599, Internet: www.czitek.com Czitek is a privately held US company dedicated to development and marketing of products for Synchrotrons and Spectroscopy. Our mission is to Simplify Spectroscopy for our customers Czitek designs FT-IR accessories for all FT-IR Spectrometers. 1204

Defense Threat Reduction Agency, 8725 John J. Kingman Road, Ft. Belvoir, VA, United States 20021-6206, Internet: http://www.dtra.mil/ The Chemical and Biological Technologies Department is the Defense Threat Reduction Agency’s epicenter for chemical and biological threat expertise. We are also dual-hatted as the Joint Science and Technology Office for Chemical and Biological Defense under the DoD Chemical and Biological Defense Program. In this role we provide cutting edge technology solutions to reduce the threat from weapons of mass destruction and empower warfighters to achieve their missions in a chemical or biological environment. In addition, we have a dual responsibility of protecting against the known threats of today as well as anticipating the major threats of tomorrow. We are leveraging the development of innovative scientific and technical advances that protect our warfighters and benefit the nation’s private sector. 737

Edinburgh Instruments, 2 Bain Square, Kirkton Campus, United Kingdom EH54 7DQ, +44 (0)1506 425 300, fax: +44 (0)1506 425 320, e-mail:sales@edin.com, Internet: www.edinburghinstruments.com With instruments with the highest sensitivity, Edinburgh Instruments are the experts in fluorescence. Products include fluorescence spectroscopy (steady-state and TCS) laser flash photolysis, gas lasers and TCS pulsed light sources. On display will be our low cost F55 Spectrofluorimeter, to learn more visit www.edin.com. 626

Elsevier, 80 High Street, Sawston, Cambridge, United Kingdom CB22 3HU, Internet: www.elsevier.com Elsevier is a world-leading provider of information solutions that support the entire research lifecycle. Our products are developed and delivered in a way that puts the chemistry researcher first, empowering them to make better decisions and enhance their performance. 632

Enovative Technologies, LLC, 11935 Worcester Hwy., Bishopsdale, MD, United States 21813, 443-863-6645, Internet: www.enovatvtech.com 1209

Erlab, Inc., 388 Newburyport Turnpike, Rowley, MA, United States 01969, 978-263-3354, e-mail:wwillett@erlab.com, Internet: www.erlab.com We have been innovating chemical filtration products for the lab since 1968. This year, we will showcase the new Smart dustless fume hoods, filtered storage cabinets and Halo air filtration system. Stop by our booth for a hands-on experience of the new Smart Technology that is built into our products. 1201

Extralive, CMS, 575 Epsilon Drive, Pittsburgh, PA 15238, Internet: www.extralive.com Extralive is the world's leading manufacturer of Research and Process Mass Spectrometers, Residual Gas Analyzers (RGAs), Quadrupole Mass Spectrometry Systems and Components. We have been providing quadrupole mass spectrometry solutions to our research and consumer customers for over 50 years. Our instruments are known for their high performance, reliability and flexibility. We bring to the lab the latest in Laboratory, Process Development and Process Control. Extralive’s global customers receive the most comprehensive application, technical and onsite support in the industry. 818

Eylea USA, 155 Keyland Ct., Bohemia, NY 11716, United States, Phone: 949-752-6875, fax: 631-750-6657

Flinn Scientific Inc., P.O. Box 219, Batavia, IL, United States 60510, 800-452-1261, fax: 866-452-1436, e-mail:jeeker@flinnsci.com, Internet: www.flinnsci.com Flow Sciences, 2025 Mercantile Drive, Leland, NC 28451, 800-849-3429, fax: 910-763-1220, Internet: www.flowsciences.com Flow Sciences designs and manufactures containment solutions for BDOC, BDOC Containment Laboratory automation suites, manufacturing and production units. Our commitment to safety and performance is demonstrated through our testing, and installation of containment enclosures is proven through our work with customers in pharmaceutical, research, forensic, academic, and government facilities. 1608

Focus Synthesis, LLC, 11575 Sorrento Valley Road, Suite 212, San Diego, CA 92121, United States, Phone: 858-259-0121, Internet: www.FocusSynthesis.com 1735

Formulation USA, 6660 N High Street, Suite 8A, Worthington, OH, United States 43085, 614-888-0023, fax: 614-987-0045, Internet: www.formulationusa.com Formulation manufactures two lines of instruments to include a Micro Rheology system & the Turbiscan Stability Analyzer. The Rheolizer utilizes Diffusing Wave Spectroscopy to measure the viscoelastic properties of sample at nanoliter quantities. The Turbiscan Stability Analyzer enables you predict stability measuring Creaming, sedimentation, flocculation and particle size in High Concentration solutions without dilution. 1604

Frontier Scientific, Inc., P.O. Box 31, Logan, UT 84323, 435-753-1901, e-mail:sales@frntsci.com, Internet: www.frontiersci.com Frontier Scientific, Inc. (FSI) is a chemical developer and manufacturer specializing in the development of chemical compounds and processes related to boronic acids, fluorocarboxylates, catalysts, par- phyrins, and other building blocks for small chemical compounds and processes related to boronic acids, fluorocarboxylates, catalysts, phyrins, and other building blocks for small chemistry programs. The Gaussian series of pro- grams are designed for testing batteries, fuel cells, supercapacitors. 801

Gallagher Fluid Seals Inc., 500 Hertzog Blvd., King of Prussia, PA, United States 19406, 800-822-4063, fax: 888-280-4235, Internet: www.summersforth.com For over 60 years, we have consistently provided superior technical solutions specializing in O-rings, seals, custom PTFE and molded shapes with the lowest total cost of ownership. Creating competitive advantages for our customers is our business or markets is what makes Gallagher “The Seal Specialists.” 731

Gamry Instruments, 734 Louis Drive, Warminis- ter, PA 18974, 877-367-4267, fax: 215-682-9331, e-mail:info@gamry.com, Internet: www.gamry.com. Gamry Instruments is a leader in high-quality electrochemical instrumentation and accessories. Single and multichannel poten- tiostats-600 mA to 30 A, fully-integrated spec- troelectrochemical setups for UV/Vis and Raman, coin cell and 18650 battery holders and an Electrochemistry Workstation. See our new potentiostat-one specially designed for testing batteries, fuel cells, supercapacitors. 618

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 pro- grams 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. 738

Geek Chic Designs, 17 New Street, Apt. 9, Newark, DE, United States 19711, 609-313-3840, Geek Chic Designs sells absolutely unique science themed t-shirts and jewelry. Most of our jewelry is made from solid sterling silver and will be chic and fashionable for many years. 738

GERSTEL Inc., 701 Digital Drive, Suite J, Linth- cum, MD 21090, 410-247-5885, fax: 410-247- 5887, Internet: www.GERSTELinc.com Manufactur- er of sample prep workstations and integrated analytical solutions for LC, GC, GC/MS, and LC/MS designed to optimize performance, enhance productivity, and improve capacity and productivity. Since 1967, GERSTEL automation sys- tems have enabled analysts to achieve ultra-low detection levels in complex matrices with un- equalled preparative capability while dramati- cally increasing sample throughput; handle dif- ficult sample presentation; and analyze a wide range of sample types complete with software integration (Agilent Technologies, AB SCIEX, LECO). GERSTEL is a Solution Partner for Agilent Technologies. 314

Gilead, 333 Lakeside Drive, Foster City, CA 94404, United States, Phone: 650-522-1275, Internet: www.gilead.com/careers 520

Glasc-ol, 711 Hulman Street, Terre Haute, IN 47802, 812-236-6176, fax: 812-234-6975, Internen: www.glascol.com Glasc-Col offers the largest selection of heating mantles that can fabricate custom heating jackets for most applications. Using operating temperatures to 600°C, plus a complete line of UL approved temperature control/touch/monitors. Our evaporator product line includes basic down to vacuum manifold systems ideal for solvent recovery. 417

GKV Biosciences, 245, First Street Riverview, 18th Floor, Cambridge, MA 02142, United States, Phone: +1 410 666-2999, fax: +1 410 662-9900, Internet: www.gkvbio.com GKV Bio is Asia’s leading life sciences services organization. At GKV BIO, we blend science with people and technology to help accelerate research and develop for over 350 clients globally. Our integrated drug discovery and development services include the drug discovery, biology, chemistry and contract manufacturing. 532

Harrick Scientific, 141 Tompkins Ave., 2nd Floor, P.O. Box 277, Pleasantville, NY 10570, 800-248-3847, fax: 914-747-7299, e-mail:info@harricksci.com, Internet: 141 Tompkins Avenue 1428

Harvard Apparatus, 84 October Hill Road, Holliston, MA 01746, 508-893-8999, fax: 508-429-5752, e-mail:biochemistry@harvardapparatus.com, Internet: www.harvardapparatus.com, Harvard Apparatus offers a broad selection of excellent syringes, peristaltic and continuous flow pumps to suit any application. Our pumps feature accurate flow rate with reduced setup time using the innovative touch screen controls. A full line of accessories for our pumps including syringes, tubing and connectors are also available. 1211

Heidolph North America, 1241 Jarvis Ave., Elk Grove Village, IL, United States 60007, 22426256900, Internet: www.heidolphNA.com 526

HepatoChem Inc., 100 Cummings Center, Suite 4245, Beverly, MA, United States 01915, 857-994-0056, e-mail:info@hepachem.com, Internet: www.hepachem.com Chemistry Kits - HepatoChem has developed a suite of chemistry kits called EvoluChem. These kits are designed to facilitate the optimization of chemical conditions such as cross-coupling, amide, oxidation and glucuronidation. "Metabolic Production and Flotation - HepatoChem is performing metabolic production and compound flotation for pharmaceutical and agrochemical companies. 338

Hiden Analytical Inc., 37699 Schoochlacht Road, Livonia, MI 48150, 734-542-6666, fax: 734-542-6630, e-mail:info@hiden.com, Internet: www.HidenAnalytical.com Hiden Analytical manufacture high performance quadrupole mass spectrometers for precision gas analysis, materials characterization and surface science applications. Signavising systems for catalysts studies, reaction kinetics, and biomolecules analysis. For quantitative atmospheric pressure gas analysis the system offers a new, compact QGA system includes automatic computer controlled mass spectrometer system for characterization and evaluation of catalysts or thermal studies of evolved species. For atmospheric gas studies the SPA range can be used for micro and nano-scale particle species and distributions with high temporal resolution. 904

Hielscher Ultrasonic, Oederstr. 53, Teltow, Germany, 03 282 437 444, Internet: www.naissance.de Hielscher Ultrasonic: High-power ultrasonic processors for research, Hielscher Ultrasonics specializes in the design, development and production of ultrasonic devices - both for use in industrial applications (commercial applications with high throughput). Due to the outstanding power of the ultrasonic processors and the high quality standards, Hielscher became the world's leading supplier of high performance ultrasonic equipment. The product range of Hielscher Ultrasonics includes ultrasonic devices / - dispersers - Synthesis of nanoparticles - Desagregieren / Disagglomerating - Particle Size Reduction (Wet milling) - Dispersing of micro- and nano-scale particles - Homogenization - Emulsification - Extraction - Acceleration of chemical reactions (Sonocron). 1311

Hybrid Plastics, 55 W. L. Runnels Industrial Drive, Hattiesburg, MS 39401 United States, Phone: 601-434-9637, Internet: www.hybirdplastics.com POSS Chemical Additives. POSS additives serve as flow aids for thermoplastics. Dispersants for colorants, fillers and key ingredients in thermoset resin. POSS additives for coatings and polymers impart clarity, adhesion and durability. 1737

Hypha Discovery LTD, Russell Building, Brunei Science Park, Wokingham, Berkshire, United Kingdom U83 3PQ, +44 1984 815855, Internet: www.hypha-discovery.co.uk Hypha solves drug metabolite synthesis issues using mammalian and microbial biotransformation expertise, making mg-g amounts of human oxidative metabolites and glucuronides. The technique also improves solubility at the lead optimization stage, enabling via C-H bond activation and helps the production of active metabolites for SAR investigation and IP protection. 536

ICE Publishing, a major player in the world of scientific publishing and the electronic dissemination of peer-reviewed scientific research. Stop by our booth to speak with us, read the latest research published in our journals and find out what we can offer you. 236

J-KEM Scientific, 6970 Olive Blvd., St. Louis, MO 63130, 800-827-4849, fax: 314-863-6070, Internet: www.jkem.com Digital temperature controllers require no ice bath or liquid to 1000°C. Advanced safety features with over & under temperature alarms, control, display and ramping software. Programmable syringes pumps deliver multiple reagents to multiple reactors in parallel with no volume restrictions, automatically refill. Digital vacuum regulator controls to 0.1 torr. Infinity Controller automates any lab or bioreac- tor process, controls temperature, stirring, pressure, and vacuum, oxygen, and temperature. Instrument workstations for weighing, synthesis, reformatur- ting and custom applications for $30,000. Articulating arm & ICARA robotic accessories include filter stations, capping stations, robotic shakers, centrifuge. 914

Japan Analytical Industry Co., Ltd., 208 Musashi, Miazono, Nashtama, Tokyo, JAPAN 190-12, 0142537231, e-mail: info@jai.co.jp, Internet: www.jai.co.jp/english/index.html Do you have difficult samples to separate? JAI offers unique purification / separation system called Recycling preparative HPLC that can Make your purification as easy as possible while saving your time. AI offers also offers world first portable pyrolyzer for Py-GC. 239

JASCO, 28600 Mary's Court, Easton, MD 21601, 800-333-5272, fax: 410-822-7526, e-mail:sales@jasconic.com, Internet: www.jasconic.com JASCO’s worldwide presence, superior product quality and outstanding service and support make us an industry leader. JASCO is recognized for robust and reliable spectroscopy products including FTIR, FTIR microscopes, UV-VIS/ NIR, Fluorescence, Confocal Raman Micro scopes, Polarimeters, and Circular Dichromism. Additionally, JASCO offers chromatography instruments including HPLC, RP-HPLC & UHPLC. 1004

JEOL USA, Inc., 11 Dearborn Road, Peabody, MA 01960, 978-535-5900, fax: 978-536-2205, e-mail:sales@jeol.com, Internet: www.jeolusa.com JEOL is a world leader in analytical instrumentation - NMR, GC/MS, DART/MS, SEM, TEM, Microscopy, inorganic and organic analysis, product design and improved performance; AccuTOF DART and GCX MS high-res sensitivity, and performance in drug screening. New high throughput research grade SEM with expanded EDs & touchscreen. Booth demos. 911

Johnson Matthey, 2001 Nolte Drive, West Deptford, NJ, United States 08066, 856-384-7151, fax: 856-384-7282, Internet: www.jmcfinelines.com Johnson Matthey Fine Chemicals supplies efficient and sustainable products and services for companies developing pharmaceuti-
research. High resolution measurements support advanced materials research and serve as user-friendly tools for scientists. The company provides a wide range of products, including analytical and environmental testing solutions, that enable research in various fields such as environmental science, biotechnology, and food safety.

Micromeritics Instrument Corp., 4356 Communications Drive, Norcross, GA 30093, 770-662-3636, fax: 770-621-9930, http://www.micromeritics.com, Internet: http://www.micromeritics.com. Micromeritics® is a leading supplier of material characterization instrumentation and services that measure the physical characteristics of powders and solids for fundamental research, product development, quality assurance, and process control applications. The company also operates Micromeritics Analytical Services and Micromeritics Pharmaceutical Services, both of which provide product sample analyses and consulting services.


MilliporeSigma, 290 Concord Road, Billerica, MA, United States 01821, Internet: www.millipore.com.

Molecular Knowledge Systems, P.O. Box 10755, Bedford, NH 03110, 6034725315, fax: 6034725359, Internet: www.mks.com. MKS is a leading provider of high performance information about chemical structures and molecular property estimation systems. The company also provides deep expertise in understanding how molecular structure and mixture composition determine physical properties of materials and how physical properties can be manipulated to design better chemical products. Our software products include Cranium, a physical property estimation system, and Symply, a chemical product design system.

Monsanto, 800 North Lindbergh Blvd, St. Louis, MO 63167, Phone: 314-694-2804, Internet: http://www.monsanto.com. Monsanto is one of the world’s leading agricultural technology companies, developing seed and agrochemical productivity products, traditional breeding and world-class biotechnologies. In vesting over $3 million in research daily, Monsanto helps feed the world by helping farmers produce more with less resources. Come explore the chemistry of Monsanto careers.

MDP Chemicals, 4667 Somerton Road, Tewrse, PA, United States 19047, Phone: 215-264-1135, Fax: 202, 888-569-6644, Internet: www.mdpcchemicals.com. MDP Chemicals, through its Monomer-Polymer and Dye-Additive Division, which includes Dyes, a US-based company to grams to tons, specialty chem- ical products and extensive applications including powder and solids for fundamental research, product development, quality assurance and process control applications. The company also operates Micromeritics Analytical Services and Micromeritics Pharmaceutical Services, both of which provide product sample analyses and consulting services.

Molecular Knowledge Systems, P.O. Box 10755, Bedford, NH 03110, 6034725315, fax: 6034725359, Internet: www.mks.com. MKS is a leading provider of high performance information about chemical structures and molecular property estimation systems. The company also provides deep expertise in understanding how molecular structure and mixture composition determine physical properties of materials and how physical properties can be manipulated to design better chemical products. Our software products include Cranium, a physical property estimation system, and Symply, a chemical product design system.

Monsanto, 800 North Lindbergh Blvd, St. Louis, MO 63167, Phone: 314-694-2804, Internet: http://www.monsanto.com. Monsanto is one of the world’s leading agricultural technology companies, developing seed and agrochemical productivity products, traditional breeding and world-class biotechnologies. In vesting over $3 million in research daily, Monsanto helps feed the world by helping farmers produce more with less resources. Come explore the chemistry of Monsanto careers.

MPD Chemicals, 4667 Somerton Road, Tewrse, PA, United States 19047, Phone: 215-264-1135, Fax: 202, 888-569-6644, Internet: www.mdpcchemicals.com. MDP Chemicals, through its Monomer-Polymer and Dye-Additive Division, which includes Dyes, a US-based company to grams to tons, specialty chem- ical products and extensive applications including powder and solids for fundamental research, product development, quality assurance and process control applications. The company also operates Micromeritics Analytical Services and Micromeritics Pharmaceutical Services, both of which provide product sample analyses and consulting services.

Nanalysis Corp., Bay 4, 4500, 5 Street NE, Calgary, AB, Canada T2E 7C3, 403-769-4999, fax: 403-775-6683, Internet: nanalysis.com. The NMRReady line of 60 MHz compact NMR spectrometers are truly revolutionary. Weighing in at just over 50 lbs, the NMRReady-60Pro and NMRReady-60e both offer spectroscopic resolution at a fraction of the cost of current NMR spectrometers. The only all-in-one instrument available with a built-in touchscreen computer.

Nanjing University, 63 Xianlin Avenue, Nanjing University, Jiangsu Province 210023, China, Phone: 86-25-89680361, Internet: http://jxjy.nju.edu.cn. The National Science Foundation has approved a $250,000 grant to support the Nanjing University’s efforts in nanoscience and nanotechnology.

NIST, 100 Bureau Drive, Stop 2300, Gaithersburg, MD 20899-2300, 301-975-3774, fax: 301-926-0416, e-mail: diane.decker@nist.gov, Internet: www.nist.gov. NIST Standard Reference Materials support accurate/comparable measurements by certifying and providing over 1200 SRMs with well-characterized properties. Standard Reference Data provides well-documented numeric data for use in technical problem-solving, research, and development.


Ocean Optics, Inc., 830 Douglas Avenue, Dunedin, FL 34698, 727-733-2447, fax: 727-733-3962, e-mail: info@oceaneaoptics.com, Internet: www.oceaneaoptics.com. Ocean Optics is the world’s leading supplier of miniature fiber optic spectrometers and accessories for research, industrial, and educational applications. Our innovative products and extensive applications knowledge encourage discovery in disciplines ranging from biotechnology and life sciences to agriculture and food chemistry.

OLIS, Inc., 130 Conway Drive, Suite ABC, Bo- gar, GA 30202, 706-353-6547 or 800-852- 3504, fax: 706-353-1972, e-mail:sales@olisweb.com. Internet: www.olisweb.com. OLIS is the newest and most feature-rich commercial-grade UV/VIS spectrophotometers for collecting accurate absorbance on solutions, suspensions, and solids. Scatter does not matter, only sample absorbance does. CLARITY joins other premier research grade absorbance, fluorescence, circular dichroism, and circularly polarized luminescence spectrometers for kinetics (stopped-flow, pump-probe) and steady-state measurements. OLIS: Upgrading Spectrophotometers, Achieving CLARITY.

OPOTEK Inc., 2233 Faraday Avenue, Suite E, Carlsbad, CA 92008, 760-929-0770, fax: 760-929-8782, Internet: www.opotek.com. OPOTEK manufactures compact, widely tunable laser systems based on patented Nd:YAG technology. The systems are used in fields, such as photochemistry, spectroscopy and imaging applications. End-users can choose from a wavelength range from 192 to 2500 nm in 1 nm increments. OPOTEK offers custom portable and transportable systems.

Optibrium Ltd., 2721 Cambridge Research Park, Cambridge, United Kingdom CB25 9TL, +44 1223 815900, fax: +44 1223 815907, e-mail:info@optibrium.com, Internet: www.optibrium.com.

OptiGrate Corp., 562 S Econ Circle, Oviedo, FL 32765 United States, Phone: 407-542-7704, Fax: 407-797-1804, Internet: www.optigrate.com. OptiGrate’s BraggGrate fiber Bragg Filters from OptiGrate enable measurements of ultra-low frequency (THz) Raman bands down to 4 cm-1. While at the same time, provide a broad transmission band that covers the complete frequency range +/-4000 cm-1. The filters are available at any custom wavelength from 355 nm to 2.5 microns.

OriginLab Corp., One Roundhouse Plaza, Suite 303, Northampton, MA 01060, 800-999-7760, Fax: 413-585-0126, e-mail: sales@originlab.com, Internet: www.originlab.com. Origin is an industry-leading graphing and data analysis software for science and engineering. Our products include 100+ customizable 2D, 3D, statistical and specialized graphs, batch plotting, curve fitting, peak analysis, signal processing, advanced statistics, result recalculation on data or parameter change, batch analysis, and programming support for C, R, and Python.

Oxchem Corporation, 1408 E. Arrow Highway, Irwindale, CA, United States 91706, 626-461- 2812, Internet: www.ox-chem.com. Oxchem Corporation is a CRO company, providing combina- torial building blocks, organics and fine chemicals. With offices based in California and Illinois. We have over 12,000 compounds in stock. Our main products lines include: alcohols, amines, acids/esters, halo of heterocycles (indole, imidazole, pyridine, pyridine, pyrimidine). Our products are high purity and quality and are used in diverse applications, such as drug discovery, materials science, and academic and industrial applications. Our innovative products and extensive applications knowledge encourage discovery in disciplines ranging from biotechnology and life sciences to agriculture and food chemistry.

Oxford Instruments, 300 Baker Avenue, Suite 150, Concord, MA, United States 01749, 978-365-5500, Fax: 917-677-1305, e-mail:custserv.us@ oxfordinst.com, Internet: www.oxford-instruments.com/pulsar.

Oxford University Press, 198 Madison Avenue, New York, NY, United States 10016, 800-451- 7556, fax: (917) 677-1305, e-mail:custserv.us@oup.com. Oxford University Press is a publisher of some of the most respected and prestigious books and journals in
we have the state-of-the-art laboratories and manufacturing facilities to meet the demands and expectations of our clients and

PharmaBlock USA, Inc., 725 San Alseo Avenue, Suite 1, Sunnyvale, CA, United States 94089, Internet: www.pharmablock.com

Philadelphia Local Section, 400 Arcola Road, Collegeville, PA, United States 19426, As host of ACS's Fall Convention August 21-25, Philadelphia will be providing information and material for ACS members. Philadelphia, the city that will host the powder diffraction portion of the 2013 National Meeting, separates itself as the birthplace of our nation. Please join us at booth 838 to experience the role Philadelphia played in the growth of chemistry in America.

838

Piercea USA Inc., 180 Bossick Blvd., San Marcos, CA 92069, 760-599-4543, fax: 760-599-0231, Internet: www.piercanusa.com, PiercanUSA is Your Technical Source for Glovebox and Isolator Gloves. PiercanUSA is the world leader in the sales and development of gloves for drybox and isolator use as well as chemical gloves for use in pharmaceutical, nuclear and biopharma markets.

515

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

111

Pine Research Instrumentation, 2741 Campus Walk Avenue, Building 100, Durham, NC 27705, (919)782-8320, fax: 919-782-8323, e-mail:pine@pineinst.com, Internet: www.pineresearch.com, Pine Research Instrumentation, Inc. is a US-based company that is a leader in manufacturing equipment for electrochemical research and product research - the MSR rotator, WaveNow and WaveDiver potentiostats, liquid-cell, photoelectrochemical cells, disposable screen-printed electrodes, etc. www.pineresearch.com

148


1436

Polar King International, Inc., 4424 New Haven Avenue, Fort Wayne, United States 46803, 260.428.2530, e-mail:info@polarking.com, Internet: www.polarking.com, Polar King manufactures fiberglass walk-in coolers and freezers for storage of potentially hazardous chemicals and materials. Our 100% seamless fiberglass design provides a continuous surface which keeps the insulated structure completely intact; free of moisture damage and bacteria formation. Units are built to maintain efficiency as outdoor conditions vary. Our automatic defrosting units are built to maintain efficiency as outdoor conditions vary. Our automatic defrosting units are built to maintain efficiency as outdoor conditions vary.

300

Polymer Advantage LLC, 4902 Clemens Blvd., Ames, IA, United States 50014, 941-735-1821, We manufacture standalone and portable re-

agent purification systems for purifying reactive chemicals for academic, government and corporate research environments. Our low-cost innovative purification units are simple, safe, fast and economical. As a visitor to our booth #1438, you can get more information about features and capabilities of our purification systems.

1438

Postnovia Analytics, 230 South 500 E Suite 120, Salt Lake City, UT, United States 84102, 801-521-2001, Internet: www.postnovia.com, Postnovia Analytics is the inventor of Field Flow Fractionation (FFF) technology. Countercurrent separation, fractionation and characterization. Field-Flow Fractionation coupled to Multi-Angle Light scattering (MALS), Dynamic Light Scattering (DLS) and ICP-MS detection offers access to high resolution size and molar mass separation, characterization and element specification.

111

PROTO Manufacturing, 12350 Universal Drive, Taylor, MI, United States 48180, 734-946-0974, Internet: protoproxp.com, PROTO is a leading manufacturer of x-ray diffraction systems. Our product line includes critical stress & retained austenite measurement systems, Laue single-crystal orientation, x-ray tubes, custom XRD systems, and an extensive range of powder diffraction accessories. Our Benchtop powder diffraction systems provide excellent value, now with more options for unique experimental needs.

327

Proton OnSite, 10 Technology Drive, Wallingford, CT, United States 06492, 203-678-2182, Internet: www.protononsite.com, Proton OnSite is the global leader in on-site gas generation for laboratories. We offer safe, affordable and high-performance solutions for hydrogen, nitrogen, argon, zero air generators and air compressors. Proton’s units are manufactured in a wide range of space-saving stackable systems. We offer a complete line of advanced equipment for LCMS and GC markets.

1007

PSS USA, Inc., 160 Old Farm Road, Suite A, Amherst, MA, United States 01002, Internet: www.pssgp.com, PSS is dedicated to the advancement of macromolecular characterization by providing expertise and tools to perform GPC/SEC analysis. WinGPC software suite is an industry leader and the only platform that provides a validated environment that meets CFR 21 Part 11 requirements. We provide a comprehensive array of GPC/SEC columns and standards for organic and aqueous environments for the analysis of synthetic and biopolymers. We provide method development and method analysis services. GPC/SEC instrumentation for basic, multi-detector, multi-dimensional and hyphenated techniques including FT-IR, NMR and MS.

238

Quantachrome Corp., 1900 Corporate Drive, Boynton Beach, FL 33426, 5617314999125, fax: 561-732-9888, Internet: www.quantachrome.com, Quantachrome designs and manufactures revolutionary analytical laboratory instruments for material characterization. Our instrumentation is used in leading industrial and research laboratories to measure the properties of powders and porous materials. Whether you are developing new materials or optimizing your manufacturing process, our instruments and expertise provide the assistance you need.

1214

Quantum Analytics, 3400 East Third Avenue, Foster City, CA, United States 94404, 650-312-0360, Internet: www.quantanalytic.com, Quantum Analytics, Inc. designs and manufactures revolutionary analytical laboratory instruments for material characterization. Our instrumentation is used in leading industrial and research laboratories to measure the properties of powders and porous materials. Whether you are developing new materials or optimizing your manufacturing process, our instruments and expertise provide the assistance you need.

1227

Quark Glass, P.O. Box 2396, Vineland, NJ 08362, 928-595-0376, fax: 856-455-3373, e-mail:sales@quarkglass.com, Internet: www.quarkglass.com

1009

Renishaw Inc., 2577 Trillium Blvd., Hoffman Estates, IL, United States 60192, Internet: www.renishaw.com

502

Research In Germany, 877 United Nations Plaza, New York, NY 10017, (212) 339-7137, fax:
Research Square/American Journal Experts, 601 West Elizabethtown-Franklin Road, Elizabethtown, NC, United States 27701, 919-704-4253, Internet: www.aje.com American Journal Experts helps researchers communicate their work so they can focus on their research and not worry about the logistics. We provide a wide range of services including language editing, academic translation and figure preparation services. These services help researchers to remove the language barrier from the process of preparing their English-language journal submissions.

Richman Chemical Inc., 768 North Bethlehem Pike, Lower Gwynedd, PA 19002, Phone: 215-628-2416, fax: 215-628-4262, e-mail: ckk@richmanchemical.com Internet: http://www.richmanchemical.com Richman Chemical specializes in custom chemical synthesis, consulting and manufacturing. Our capabilities include full cGMP manufacturing, method development, regulatory assistance, and raw material sourcing. We tailor our production solutions to each client’s unique needs, saving them both time and money.

Rigaku Americas Corp., 9009 New Trails Drive, The Woodlands, TX 77381, 281-362-2300, fax: 281-364-3628, Internet: www.rigaku.com Rigaku provides the worlds most complete line of X-ray diffraction and X-ray fluorescence instruments and components. Systems include the MiniFlex XR and Supermini WDXRF benchtop systems, the SmartLab® multi-purpose diffractometer with SAXS and in-plane capabilities, DMAX Rapid II micro-diffraction system, SMA3000 small angle scattering systems and the ZSX Primus WDXRF spectrometers.

Robertson Microlit Laboratories, Inc, 1705 U.S. Highway 46, Suite 102, Ledgewood, NJ, United States 07852, (973)966-6668, fax: (973)966-0136, Internet: www.robertson-microlit.com Robertson Microlit Laboratories is a micro-analytical testing laboratory over 30 years of experience, serving the pharmaceutical, nutraceutical, chemical, research, and governmental industries. Our services include: Chromatography by AA/AE, ICP-OES, ICP-MS; IC; GC-MS; GC-FID; KF; UV/VIS; FTIR; Optical Rotation; DSC/TGA; USP testing; and method development and validation services.

Royal Society of Chemistry, Thomas Graham House, 37 Belgrave Road, Cambridge, United Kingdom CB4 OWF, 44-1223-432-378, fax: 44-1223-426-017, e-mail:sales@rsc.org, Internet: www.rsc.org We are the oldest chemical society in the world and in 2016 we are celebrating 175 years of progress and people in the chemical sciences. Throughout the year, we’re sharing stories of how our members past and present have helped to change the world with chemistry. rsc.li/175

RT Instruments, Inc., 1240 Churchill Downs Ave, Woodland, CA, United States 95691, Internet: www.rt-instruments.com RT Instruments offers new and refurbished analytical instruments and accessories in a variety of fields. RTI is proud to offer the latest technology in spectroscopy to serve our diverse customer base. RTI also provides preventative maintenance, repair, and testing services to serve the needs of the industry.

Schoeninger, Inc., 101 SW Main Street, Suite 1300, Portland, OR, United States 97204, Internet: www.schoeninger.com See our full suite of drug discovery solutions, including the industry leading MicroTox® technology for screening and testing, as well as our ligand-based tools. We will also exhibit our Materials Suite, featuring a diverse set of tools for preparing the structure, reaction and properties of chemical systems. Hands-on demos are available.

Sciaps, Inc., 2 Constitution Way, Woburn, MA, United States 01801, 339-927-9455, fax: 339-600-3038, Internet: www.sciaps.com Sciaps is an instrumentation company specializing in portable, durable, field-tested instruments that are used to identify compounds, minerals, and elements, both on-site and in real-time. The Company produces laser technology that quickly identify compounds, minerals, and elements of interest to the user. Sciaps’ analyzers are used for over 900 applications, ranging from alloy analysis, mining and exploration, pharmaceuticals and nutraceuticals, plastics and polymers, law enforcement, and hazmat first responders.

SCIENCE/AAS, 1200 New York Avenue, NW, Washington, DC 20005, 202-326-6417, fax: (202) 842-1065, e-mail: membership@aaas.org, Internet: www.aaas.org The American Association for the Advancement of Science is the world’s largest multidisciplinary scientific society and a leading publisher of cutting-edge research and policy advocacy. A trusted voice for science since 1848, our membership includes more than 100,000 members.

SciOn Instrument, 2019 Alvin Devane Blvd., Suite 120, Austin, TX, United States 78741, 703-363-0002, Internet: www.scion.com SCIOn SQ series GC-MS systems combine innovative engineering with detailed customer requirements to provide the truly advanced SCIOn SQ series. By designing these GC-MS systems to exceed the most critical performance and reliability requirements, SciOn Instrument delivers systems that are especially for, and all about, the ultimate success of users.

Semichem, 12456 W. 62nd Terrace, Suite D, Shawnee, KS 66216, 913-268-3271, fax: 910-268-3445, e-mail:jilana@semichem.com, Internet: www.semichem.com Semichem features AMPAC™ and CODESSA™. AMPAC™ is a semiempirical quantum mechanical program, including an industry leading graphical user interface (GUI) that builds molecules and offers full visualization of results. CODESSA™ is an advanced quantum-chemistry/activity relationship (QSAR) program that ties information from AMPAC™ and other QM programs with experimental data.

Shimadzu Scientific Instruments Inc., 7102 Riverwood Drive, Columbia, MD 21040, 800-477-1208, 410-367-1170, www.shimadzu.com. Shimadzu is a leading manufacturer of scientific instrumentation, including chromatography, spectroscopy, FTIR, environmental monitoring, and physical measurement. Markets in industries served include pharmaceuticals, metals, forensics, educational, government, agriculture and petrochemical.

Showa Denko America Inc., 420 Lexington Ave., Suite 2850, New York, NY 10170, 212-370-0003, ext. 109, fax: 7167748708, Internet: www.shodexHPLC.com Shodex™ brand HPLC columns have been manufactured by Showa Denko K.K. in Japan since 1973. With over 1000 different columns covering all separation modes, Shodex has the perfect column for your analytical needs. Our innovative, polymer-based columns offering size-exclusion chromatography, HPLC, and sugar analysis col.

SNKY Services, Inc., 7668 Baytree Ct., Dublin, OH 43016, 1-800-716-9469, Internet: http://peruselab.com PeruseLab is a cloud-based chemical informatics platform that provides a comprehensive suite of tools to address the workflow needs of chemists and chemistry-based enterprises. Come by booth 736 to learn more. 736

StellarNet Inc., 1410 701 South Alvin Devane Blvd., 31-20-5987626, fax: 31-20-5987629, e-mail: sales@sternet.com, Internet: www.sternet.com Scientists at SCM are passionate about making computational chemistry work for you. Whether you research spectroscopy, heavy elements, organic electronics, chemical reactions or materials, we have the right tools (DFT, DFTB, ReaxFF, COSMO-RS) in the ADF Modeling Suite 2016. Come by to see the user-friendly graphical interface in action!

Sorbent Technologies, 5955 Peachtree Corners East, Suite A, Norcross, GA 30071, 866-767-2832, ext. 0259, e-mail:dschurer@sorbtech.com, Internet: www.sorbtech.com Sorbent Technologies provides a dedicated Separation Service for 16 years. Chromatography & Purification products from lab to production scale for all compounds. Highest quality and selection of Silica Gel, Bonded Silicas, Aluminas, Polymeric Resins, Gel Filtration, SEC, TLC Plates, Flash Cartridges & Systems Syringe Filters, SPE Cartridges, HPLC, GC & FPLC Columns, and more.

Specac, Ltd., River House, 97 Gray Avenue, ORPINGTON, Kent, United Kingdom BR5 3NH, 216-897-3134, fax: 44 (0)1689 875827, Internet: www.specac.com Specac is a high quality manufacturer of FTIR accessories and spare part preparation products, bringing new and innovative solutions to the market place on a regular basis. Specac’s spectroscopy columns are manufactured over a range of techniques, including ATR, Diffuse Reflectance, Specular Reflectance and Transmission.

Spectrum Chemical Mfg Corp., 769 Jersey Ave, New Brunswick, NJ 08901, (732) 801-5651, e-mail: chemicals@specac.com, Internet: www.spectrumchemical.com Spectrum manufactures and distributes over 45,000 fine chemicals and laboratory reagents and production quantities, including Controlled Substances (CI-CV) and the largest selection of USP/NF/JP chemicals. Spectrum also distributes over 100,000 supply and equipment items from 250 manufacturers such as PerkinElmer, Corning, Thermof Fisher Scientific, Wheaton, and KimbleChase.

SpirioChem AG, c/o ETH Zurich, Vladimir-Peirlog-Weg 1, Zurich, Switzerland HCI-D151.1, 41 44 633 7363, fax: 41 44 633 1089, Internet: www.spiriochem.com. SpiroChem AG is a Swiss CRO specialized in the design and commercialization of novel building blocks for drug discovery. With a unique repertoire of molecular fragments along with cutting-edge know-how in drug research & process chemistry, we are the ideal collaboration partner for pharmaceutical, agrochemical and life science companies.

Springer, 233 Spring Street, New York, NY 10013, 212-460-1600, fax: 201-348-4505, Internet: www.springernature.com See and browse nearly 12,000 key titles. Get 20% off print books and eBooks! Among the highlights are books such as Springer Handbook of Odor, Holding Hands with Bacteria, and Organic Electronic Materials and Devices, and cutting-edge journals such as Topics in Current Chemistry, Chemistry Central, and 45 other Chemistry Informatic journals. Meet our editors to discuss your publishing proposal. Ensure maximum readership for your work. Contact us for all your publishing needs. Find all offers online: springer.com/acs

StellarNet Inc., 14390 Carlson Circle, ORPINGTON, Kent, United States 44076, 729-501-3038, Internet: www.sternet.com. StellarNet provides a high cost miniaturized spectrometer systems and software for product analysis, research, education, and OEM. StellarNet instrumentation is rugged for any environment from lab to field. Applications include absorption & transmission (190-2300nm), fluorometry, microscopy, optical metrology, color-
EXPOSITION

Imetry, LED/Laser/Solar, LBS, CES, NIR, & Raman (522, 785, 1084). Come See the Spectral World!


SuperCritical Fluid Technologies, One Innovation Way, Suite 303, Newark, DE 19711, 302-738-3420, 302-738-4320, e-mail:info@supercriticalfluids.com, Internet: www.supercriticalfluids.com Equipment for supercritical fluid extraction (SFE), reaction (SFR), and high pressure chemistry. High flow CO2 pump. Laboratory SFE: 5 ml to 4 L; Pilot scale SFE systems, up to 4000 liters with fraction collectors, CO2 recycle, and automation. HPR-Series Chemical Reactors: 10 ml to 4 liters. Customized reactors and extractors to your specifications, including SCWO and larger volume systems. Phase Monitor for visual solubility determinations in supercritical fluids. CO2 and solvent pumps, parts and service. Consultation and contract research services.

Superior Silica, LLC, 7536 E Angus Drive, Scottsdale, AZ, United States 85251, 480-946-0505, fax: 480-423-8762, Internet: superiorsilica.com Superior Silica LLC is an early-stage company based out of Phoenix, AZ specializing in silica technology. Our latest innovation is selling in the large scale manufacture and functionalization of silica particles. Our proprietary synthetic processes yield particles with outstanding monodispersity and purity at large scales - a huge challenge today. Our expertise in surface technology for silica also enables us to work with a wide portfolio of clients to customize our particles for their specific needs.

Surface Measurement Systems, 2125 28th Street, Suite 1, Allentown, PA, United States 18103, Internet: www.surfacemeasurementsystems.com We are the world leaders in Dynamic Vapor Sorption technology and Inverse Gas Chromatography instrumentation and solutions, providing professional world-class scientific and technical support for our international customers. Inverse Gas Chromatography-characterization of surface energy/bulk properties for particulates, fibers and films. Dynamic Vapor Sorption-gravimetric moisture and organic vapor sorption/desorption isotherms and kinetic measurements.

Suven Discovery, Road-5, Avenue-7, Banjara Hills, Hyderabad-500 034, India, 91-40-23556439, 91-40-23551152, e-mail:vivekvs@suven.com, Internet: www.suven.com Suven Discovery has 13 years experience in discovery and development of several small molecules to clinic. Suven-Discovery: Medicinal Chemistry, Process Chemistry, Analytical-Chemistry, Structure-Elucidation, Impurities-Metabolite-Synthesis Physico-chemical-properties, In-vitro screening (HTS), In-vivo studies, Assay-development; In-vitro and In-vivo Drug-metabolism & Pharmacokinetics in rodents, non-rodents; Brain-penetration; CYP450, Receptor-Occupancy, CNS-Pharmacology, Safety-Pharmacology; In-vivo and in-vivo rodent-Toxicology; Histopathology, Clinical-Pathology, Biologicals.

Synquest Laboratories, Inc., P.O. Box 309, Alachua, FL 32616-0309, 386-462-0788 or 877-4-FLUOROCEN, Internet: www.synquestlabs.com, Internet: www.synquestlabs.com

Teledyne Isco - Chromatography, 4700 Super St, Lincoln, NE 68504, 402-464-0231, fax: 402-465-3064, e-mail:iscoinfo@teledyne.com, Internet: www.teledyne.com Teledyne Isco Chromatography product line includes instruments and accessories for purification of organic compounds in normal-phase and reversed phase separations, and for bio-purification of proteins, peptides, and other biopolymers.

Temple University School of Pharmacy, Moulder Center for Drug Discovery, 3307 North Broad Street, Philadelphia, PA, United States 19140, 215-707-2218, Internet: https://pharma-cty.temple.edu/ Temple University School of Pharmacy was founded in 1901 in response to the need for advanced pharmacy education. This institution provides several academic programs, including the entry-level Doctor of Pharmacy, MS and PhD in drug discovery and related fields, and an MS program in Quality Assurance and Regulatory Affairs.

ThalesNano Nanotechnology Inc., 7. Zahery u, Budapest, Hungary H-1031, 00 36 18080 500, fax: 00 36 1 8893040, e-mail:info@thalesnano.com ThalesNano is dedicated to making dangerous and difficult chemistry safe and easy to perform while assisting advances in the scientific field of chemistry. The company is widely recognized for its expertise in transforming chemical processes to microscale continuous-flow operations and developing manual or robotic continuous-flow microreactors for the chemical industry.

The Chemical Society of Japan, 1-5, Kanda-Surugadai, Chiyoda-ku, Tokyo, Japan 101-8307, 81-3-3292-6165, fax: 81-3-3292-6319, Internet: http://www.jacs.org The Chemical Society of Japan (CSJ) is trying to renew and strengthen our journals, both Bulletin of the Chemical Society of Japan (BSJ) and Chemistry Letters (CL) to enhance the visibility of the journal worldwide. The CSJ has worked since its founding to be an important chemist and the general public. The CSJ publishes two major high quality journals, BCSJ and CL, focusing on the current topics of chemistry-related science, and its services are used by more than 1,000 institutions around the world.

Thermo Fisher Scientific, 28 Schneck Parkway, Ashville, NC, United States 28804, 570-289-4200, Thermo Fisher Scientific is the world leader in serving science. Our mission is to enable our customers to make the world healthier, cleaner and safer. Through our 20 Alsea and Acros Organics brands, we help customers accelerate innovation and enhance productivity. Thermo Fisher Scientific provides creative solutions for the world’s research and development community. With applications that span every laboratory application—from research to production—we provide a broad range of products and services that support organics, inorganics, metals & materials, and life science needs, in sizes from gram-scale catalogs to semi- and bulk production quantities.

Thermo Fisher Scientific, 5225 Verona Rd., Bldg. 4, Madison, WI, United States 53711, 800-532-4752, Internet: www.thermofischer.com Thermo Fisher Scientific supplies innovative solutions for integrated laboratory workflow solutions including sample preparation, chromatography, mass spectrometry, imaging, capillary- and molecular spectroscopy. Come see the very latest technologies to help streamline processes, deliver confident results, yield higher throughput, and reduce sample preparation. 1327,1326

Thinxy USA Inc., 23151 Verdugo Drive, Suite 107, Laguna Hills, CA, United States 92653, 949-768-9001, fax: 949-768-9003, e-mail:info@thinxy.com, Internet: https://thinxy.com/ Thinyx is a leading provider of Planetary Centrifugal Mixers Vacuum Planetary Centrifugal Mixers Nano-Pulverizer Vacuum Syringe Chillers

Top Hat, 2 Carlton Street, Suite 600, Toronto, ON, Canada M5B 1J5, 1-888-663-5491, Internet: www.top-hat.com

Tosoh Bioscience LLC, 3604 Horizon Drive, Suite 100, King of Prussia, PA 19406, 484-805-1219, fax: 610-272-3028, Internet: www.tosohbioscience.com We are a global leader in high quality, innovative pre-packed HPLC columns and bulk resins with the TSKgel® and TOYOPEARL® brand names, as well as our EcoSEC® GPC Systems. Stop by booth #1330 to learn about our newest innovations in all of our product lines.

TWD Kemtech America, 10555 86th Avenue, Lakeview Corporate Park, Pleasant Prairie, WI, United States 53158, 262-605-3262, Internet: www.kemtech-america.com

Tydac Corporation, Inc., 5050 Applebutter Road, Pipersville, PA 18947/United States, Phone: 215-766-5000, Internet: http://www.TyndaleUSA.com! Tyndale is the most trusted name in flame-resistant clothing (FRC). Tyndale is the leading high-quality apparel in managed clothing programs. Our own Made in USA line plus relationships with the largest industry suppliers offers an unprecedented PRC selection, programs safe, comfortable, and compliant. Learn more at www.TyndaleUSA.com! 1429
1-Material Inc.
Booth # 232
PFT-100
ITC
FBR
PBDB-T
PCE-10

Ace Glass, Inc.
Booth # 1727
Dual Scale-Up Reactor Stand
Pressure Tube with Sampling Port
Furge/Shutoff Pressure Adaptor

ACS Member Insurance Program
Booth # 827
Chemical Educators Legal Liability
Life Insurance
Disability Income
Professional Liability
Commercial Business Insurance

AdValue Technology
Booth # 1517
Quartz wool
Ceramic membrane

Advanced Polymer Materials Inc.
Booth # 336
functional block copolymer
functional PEG
PLGA
PS-PEO

Aldlab Chemicals, LLC
Booth # 334
Pteronic acid
aldhyde

Anton Paar USA
Booth # 1627
Litesizer™ 500
Multiwave EXTRA
Multiwave PRO
Monowave 400/200
SurPASSTM 3

Applied Research & Photonics, Inc.
Booth # 734
Nanoscanning terahertz time-domain spectrometer
Sub-surface 3D imager
Terahertz scanning reflectometer
Terahertz ballistic and layered material analyser
Terahertz reflective interferometer

Ark Pharm, Inc.
Booth # 907
2-Bromo-5H-pyrrolo[2,3-b]pyrazine, 87578-43-4
2,4-Dichloro-5-(trifluoromethyl)pyrimidine, 5043-79-8
5-Fluoropicolinaldehyde, 31181-88-1
2,6-Dichloro-3-(trifluoromethyl)pyrimidine, 3932-9
2-Amino-4-bromobenzaldehyde, 3932-9

Barbakam Carbonless Lab Notebooks
Booth # 636
Carbonless Lab Notebook 50 Pages Spiral Bound
Carbonless Lab Notebook 75 Pages Spiral Bound
Carbonless Lab Notebook 100 Pages Spiral Bound
Carbonless Lab Notebook 50 Pages Permanent Bound
Carbonless Lab Notebook 100 Pages Permanent Bound

Bio-Rad, Informatics Division
Booth # 516
Optimized Corrections

BioChromato
Booth # 1102
Smart Evaporator
Multi-Channel Smart Evaporator C10 Plate Seal
ionRocket for DART(R)-MS

Biolin Scientific
Booth # 1010
Q-Sense Initiator
Q-Sense Dfnd

Biosensing Instrument
Booth # 537
BI-4500
BI-2500
SPR Analysis Modules

Camag Scientific, Inc.
Booth # 1726
TLC-MS Interface 2
DBS-MS 500
Automatic TLC Sampler 4 (ATS4)
TLC Visualizer
Automatic Developing Chamber 2 (ADC2)

CDS Analytical, LLC
Booth # 1430
6000 Series Pyroprobe
7500S Thermal Desorption Autosampler

Chemrus Inc.
Booth # 432
Disposable filter funnel
Multi reaction flask

CombiPhos Catalysts, Inc.
Booth # 807
Boric Acid
Boronic Ester
Deuterated Reagents
Cross-coupling products
Cross-coupling reactions

CONFLEX Corp.
Booth # 1116
CONFLEX7.C

Czitek
Booth # 1204
MicromATR
SurveyIR
MicromATR Vision

Erlab, Inc.
Booth # 1201
Smart Dustless Fume Hood
Smart Filtered Storage Cabinet
Smart Air Filtration System

Extral CMS
Booth # 818
IQ-2000
MAX-QMS
MAX-LT

Flow Sciences
Booth # 1608
Saf T Flow Fume Hood
Nitrogen Gas Series
Top Mount Containment Series
Glovebox Workstation
Hybrid Isolator

Frontiers
Booth # 415
Frontiers in Chemistry
Research Topics
Loop
Frontiers for Young Minds

Gamry Instruments
Booth # 801
Reference 600 Plus Potentiostat/Galvanostat/ZRA

Gaussian
Booth # 618
Gaussian
Gaussian

Geek Chic Designs
Booth # 738
Air, Earth Fire and Water themed Bracelets

Harvard Apparatus
Booth # 1211
PHD ULTRA
PUMP 11 ELITE
PUMP 33 DDS
NANOMITE

HepatoChem Inc.
Booth # 338
Cross-coupling chemistry kit
Amide coupling chemistry kit
Metabolite production kit

Hielscher Ultrasونics
Booth # 1311
VialTweeter
UFP40000HT
MultiPhase Cavitation
UFP20000HT
UFP400St

Hypha Discovery LTD
Booth # 536
Metabolite synthesis
Natural Product Libraries
Custom Synthesis
Biotransformation

InfoChem GmbH
Booth # 1019
ICSynth
ICFRP
SPRESImobile
Patent databases
ICCardtage

Inte:Ligand GmbH
Booth # 1616
LigandScout Essential
LigandScout Advanced
LigandScout Expert
iLib:Diverse
Inte:Ligand Pharmacophore Database

J-KEM Scientific
Booth # 914
Precision Temperature Controllers
Vacuum Pump Controllers
Custom Laboratory Robots
Kugelrohr Distillation
Parallel Synthesis Reactor

Japan Analytical Industry Co. Ltd.
Booth # 239
Recycling Preparative HPLC LaboACE 5060
Hybrid Pyrolyzer JHI-07
Portable Pyrolyzer JCI-S5

JRF Global
Booth # 832
ADME
DPMK
Elate and Metabolism
DART
Toxicity & Gentoxicity

JULABO
Booths # 1615,1616
PRESTO® A45/A45t
PRESTO® A85/A85t
PRESTO® W85/W85t
CORIOTM
Glass Reactors

Keysight Technologies (formerly Agilent)
Booth # 803
9500 Atomic Force Microscope

Kimble Chase LLC
Booth # 1112
Soda Lime Descicators
Petri Dishes
Pipe Rack
Watch Glasses
Rams Bottom Coking Bulbs

Komplex Engineering, LLC
Booth # 1359
In Situ sampler

LABCONCO, Corp.
Booth # 1305
FreeZone 4.5L Freeze Dryer
Protector Airo Filtered Fume Hood

Liverpool ChiroChem Ltd.
Booth # 337
(S)-2-methyl-2-phenylpiperidine
(S)-2-(piperidin-2-yl)pyridine
Ethyl (S)-4-(piperidin-2-yl)benzoate
(R)-2-(piperidin-2-yl)ethan-1-ol hydrochloride
5-(piperidin-3-yl)pyridin-2-amine

PCE-10

PS-PEO

PLGA

PS-PEO

PLGA

PS-PEO

PLGA

PS-PEO

PLGA

PS-PEO

PLGA

PS-PEO

PLGA

PS-PEO

PLGA

PS-PEO

PLGA

PS-PEO

PLGA

PS-PEO

PLGA

PS-PEO

PLGA

PS-PEO

PLGA
MDPI AG Molecules
Booth # 411
Molecules
Materials
Marine Drugs
International Journal of Molecules Sciences
Polymers

Mestrelab Research SL
Booth # 906
Mnova NMR
Mnova MS
Mbook
Mnova app for tablets

MicroLAB, Inc.
Booth # 1321
FS-S28 Laboratorary Data System
Visual Spectrometer

Molecular Knowledge Systems
Booth # 438
Cranium v3.0
Synapse v2.0

New Era Enterprises
Booth # 1106
5mm NMR Sample Tubes
Micro Pipet for NMR capillaries
Micro NMR Sample Tubes
Screw Thread NMR Sample Tubes
Pressure Valve NMR Sample Tubes

OPOTEK Inc.
Booth # 1618
RADIANT
Phocus DUV

OriginLab Corp.
Booth # 400
Origin
OriginPro

Parr Instrument Co.
Booth # 1101
6050 Compensated Calorimeter

PASCO scientific
Booth # 1202
Wireless pH sensor
Wireless Pressure sensor
Wireless Temperature sensors
Wireless Spectrometer
Wireless Polanimeter

Pfeiffer Vacuum Inc.
Booth # 1307
PrismaPlus mass spec
HiCube turbompump station
Rotary vane pumps
Dry pumps
Vacuum Hardware

Piercan USA Inc.
Booth # 515
EPDM
BHP

Polymer Advantage LLC
Booth # 1438
Reagent purification system

Proton OnSite
Booth # 1007
G600-HP
N250M
N400M

Royal Society of Chemistry
Booth # 701
Molecular Systems Design & Engineering
Materials Chemistry Frontiers
Reaction Chemistry & Engineering
Nanoscale Horizons

Scrion Instruments
Booth # 1603
Gas Analyzers
Scrion 436 GC
Scrion 456 GC
Scrion SQ GC/MS
CompassCDS

Semichem
Booth # 616
Semichem
AMPAC
Codesssa

Showa Denko America Inc.
Booth # 729
LB series

Wavefunction, Inc.
Booth # 508
Spartan'16 Parallel Suite
Spartan Student version 7
Odyssey Instructor & Student version 5
iSpartan
Spartan Spectra & Properties Database

Workrite Uniform Company
Booth # 1308
Flame Resistant/Chem Splash Protection Lab Coat

Wyatt Technology Corp.
Booth # 1406
µDAWN
DynaPro Plate Reader II
DAWN HELEOS II
Eclipse DualTec
Mobius

Xenocs SA
Booth # 1229
Nano-inXider
Xeuss 2.0

Yamazen Science, Inc.
Booth # 1233
TLC Reader
AKROS Smart Flash
WPrep Smart Flash
ELSD for Flash Chromatography
High resolution columns
1-Material Inc.  
Booth # 232  
PFT-100  
ITIC  
FBR  
PBDB-T  
PCE-10

Ace Glass, Inc.  
Booth # 1727  
Dual Scale-Up Reactor Stand  
Pressure Tube with Sampling Port  
Purge/Shutoff Pressure Adaptor

ACS Member Insurance Program  
Booth # 827  
Chemical Educators Legal Liability  
Life Insurance  
Disability Income  
Professional Liability  
Commercial Business Insurance

AdValue Technology  
Booth # 1517  
Quartz wool  
Ceramic membrane

Advanced Polymer Materials Inc.  
Booth # 336  
functional block copolymer  
functional PEG  
PLGA  
Permanent Bound

Aldlab Chemicals, LLC  
Booth # 334  
Pteteric acid  
aldehyde

Anton Paar USA  
Booth # 1627  
Litesizer® 500  
Multiwave EXTRA  
Multiwave PRO  
Monowave 400/200  
SurPASSTM 3

Applied Research & Photonics, Inc.  
Booth # 734  
Nanoscanning terahertz time-domain spectrometer  
Sub-surface 3D imager  
Terahertz scanning reflectometer  
Terahertz ballistic and layered material analyzer  
Terahertz reflective interferometer

Ark Pharm, Inc.  
Booth # 907  
2-Bromo-5H-pyrrolo[2,3-b]pyrazine, 87578-1-4-4  
2,6-Dichloro-4-methyl-3-nitropyridine, 875781-43-4  
2-Amino-4-bromobenzaldehyde, 59278-65-8  
5-Fluoropicolinaldehyde, 31181-88-1  
2-Chloro-5-(trifluoromethyl)pyrimidine, 3932-9  
2-Amino-4-bromobenzaldehyde, 59278-65-8

Barbakam Carbonless Lab Notebooks  
Booth # 636  
Carbonless Lab Notebook 50 Pages Spiral Bound  
Carbonless Lab Notebook 75 Pages Spiral Bound  
Carbonless Lab Notebook 100 Pages Spiral Bound  
Carbonless Lab Notebook 50 Pages Permanent Bound  
Carbonless Lab Notebook 100 Pages Permanent Bound

Bio-Rad, Informatics Division  
Booth # 518  
Optimized Corrections

BioChromato  
Booth # 1102  
Smart Evaporator  
Multi-Channel Smart Evaporator C10  
Plate Seal  
ionRacket for DART(R)-MS

Bioln Scientific  
Booth # 1010  
Q-Sense Initiator  
Q-Sense Dfnd

Biosensing Instrument  
Booth # 537  
BI-4500  
BI-2500  
SPR Analysis Modules

Camag Scientific, Inc.  
Booth # 1726  
TLC-MS Interface 2  
DBS-MS 500  
Automatic TLC Sampler 4 (ATS4)  
TLC Visualizer  
Automatic Developing Chamber 2 (ADC2)

CDS Analytical, LLC  
Booth # 1430  
6000 Series Pyrroprobe  
7500S Thermal Desorption Autosampler

Chemus Inc.  
Booth # 432  
Disposable filter funnel  
Multi reaction flask

CombiPhos Catalysts, Inc.  
Booth # 807  
Boronic Acid  
Boronic Ester  
Deuterated Reagents  
Cross-coupling products  
Cross-coupling reactions

CONFLEX Corp.  
Booth # 1116  
CONFLEX7.C

Ciztek  
Booth # 1204  
MicromATR SurveyIR  
MicromATR Vision

Erlab, Inc.  
Booth # 1201  
Smart Dustless Fume Hood  
Smart Filtered Storage Cabinet  
Smart Air Filtration System

Extrel CMS  
Booth # 818  
IQ-2000  
MAX-QMS  
MAX-LT

Flow Sciences  
Booth # 1608  
Saf T Flow Fume Hood  
Nitrogenema Series  
Top Mount Containment Series  
Glovebox Workstation  
Hybrid Isolator

Frontiers  
Booth # 415  
Frontiers in Chemistry  
Research Topics  
Loop  
Frontiers for Young Minds

Gammy Instruments  
Booth # 801  
Reference 600+ Potentiostat/Galvanostat/ZRA

Gaussian  
Booth # 618  
Gaussian  
Gaussview

Geek Chic Designs  
Booth # 738  
Air, Earth Fire and Water themed Bracelets

Harvard Apparatus  
Booth # 1211  
PHD ULTRA  
PUMP 11 ELITE  
PUMP 33 DDS  
NANOMITE

HepatoChem Inc.  
Booth # 288  
Cross-coupling chemistry kit  
Amide coupling chemistry kit  
Metabolite production kit

Hielscher Ultrasounds  
Booth # 1311  
VialTweeter  
UFP4000hDT  
MultiPhaseCavitator  
UFP2000hDT  
UFP4005st

Hypha Discovery LTD  
Booth # 536  
Metabolite synthesis  
Natural Product Libraries  
Custom Synthesis  
Biotransformation

InfoChem GmbH  
Booth # 1019  
ICSynth  
ICFRP  
SPRESimobile  
Patent databases  
IICartridge

Inte:Ligand GmbH  
Booth # 1616  
LigandScout Essential  
LigandScout Advanced  
LigandScout Expert  
iLib:Diverse  
Inte:Ligand Pharmacophore Database

J-KEM Scientific  
Booth # 914  
Precision Temperature Controllers  
Precision Vacuum Regulators  
Custom Laboratory Robotics  
Kugelrohr Distillation  
Parallel Synthesis Reactors

Japan Analytical Industry Co. Ltd.  
Booth # 239  
Recycling Preparative HPLC LaboACE 5060  
Hybrid Pyrolyzer JHI-07  
Portable Pyrolyzer JCI-55

JRF Global  
Booth # 832  
ADME  
DPMK  
Elate and Metabolism  
DART  
Toxicity & Gentoxicity

JULABO  
Booth # 1615, 1614  
PRESTO® A45/A45t  
PRESTO® A85/A85t  
PRESTO® W85/W85t  
CORIO™  
Glass Reactors

Keysight Technologies (formerly Agilent)  
Booth # 803  
9500 Atomic Force Microscope

Kimble Chase LLC  
Booth # 1112  
Soda Lime Desiccators  
Petri Dishes  
Pipet Rack  
Watch Glasses  
Rams Bottom Coking Bulbs

Komplx Engineering, LLC  
Booth # 1359  
In Situ sampler

LABCONCO, Corp.  
Booth # 1305  
FreeZone 4.5L Freeze Dryer  
Protector Airo Filtered Fume Hood

Liverpool ChiroChem Ltd.  
Booth # 337  
(5)-2-methyl-2-phenylpiperidine  
(5)-2-(piperidin-2-yl)pyridine  
Etethyl (5)-4-(piperidin-2-yl)benzoate  
(5)-2-(piperidin-2-yl)ethan-1-ol hydrochloride  
5-(piperidin-3-yl)pyridin-2-amine
### COMPANIES LISTED BY BROAD CATEGORIES

A more detailed product listing can be found by visiting the Virtual National Exposition at [http://www.acs.org/Philadelphia2016](http://www.acs.org/Philadelphia2016). In addition to Meeting Mail stations in the convention center, product categories, along with companies supplying the products, can be searched using this free service.

<table>
<thead>
<tr>
<th>Category</th>
<th>Company Name</th>
<th>Booth Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Analytical Research</strong></td>
<td>Aldlab Chemicals, LLC</td>
<td>334</td>
</tr>
<tr>
<td></td>
<td>Applied Research &amp; Photonics, Inc.</td>
<td>734</td>
</tr>
<tr>
<td></td>
<td>Asylum Research, an Oxford Instruments Company</td>
<td>1215</td>
</tr>
<tr>
<td></td>
<td>Axion Analytical Laboratories, Inc.</td>
<td>1739</td>
</tr>
<tr>
<td></td>
<td>B&amp;W Tek</td>
<td>401</td>
</tr>
<tr>
<td></td>
<td>Bio-Logic USA, LLC</td>
<td>1527</td>
</tr>
<tr>
<td></td>
<td>Bio-Rad, Informatics Division</td>
<td>513</td>
</tr>
<tr>
<td></td>
<td>BioChromato</td>
<td>1102</td>
</tr>
<tr>
<td></td>
<td>Biolin Scientific</td>
<td>1010</td>
</tr>
<tr>
<td></td>
<td>Biosensing Instrument</td>
<td>537</td>
</tr>
<tr>
<td></td>
<td>Biotage</td>
<td>1519</td>
</tr>
<tr>
<td></td>
<td>Bruker</td>
<td>1313</td>
</tr>
<tr>
<td></td>
<td>BUCHI Corporation</td>
<td>326</td>
</tr>
<tr>
<td></td>
<td>CDS Analytical, LLC</td>
<td>1430</td>
</tr>
<tr>
<td></td>
<td>ChemHub, Inc.</td>
<td>638</td>
</tr>
<tr>
<td></td>
<td>CONFLEX Corp.</td>
<td>1116</td>
</tr>
<tr>
<td></td>
<td>Czitrek</td>
<td>1204</td>
</tr>
<tr>
<td></td>
<td>Galbraith Laboratories Inc.</td>
<td>1206</td>
</tr>
<tr>
<td></td>
<td>Galichmia S.A.</td>
<td>535</td>
</tr>
<tr>
<td></td>
<td>Gaussian</td>
<td>618</td>
</tr>
<tr>
<td></td>
<td>Glas-Col</td>
<td>417</td>
</tr>
<tr>
<td></td>
<td>Hiden Analytical Inc.</td>
<td>904</td>
</tr>
<tr>
<td></td>
<td>Hielescher Ultrasonics</td>
<td>1311</td>
</tr>
<tr>
<td></td>
<td>Hypha Discovery LTD</td>
<td>536</td>
</tr>
<tr>
<td></td>
<td>Journal of Biological Chemistry (ASBMB)</td>
<td>504</td>
</tr>
<tr>
<td></td>
<td>JRF Global</td>
<td>832</td>
</tr>
<tr>
<td></td>
<td>Komplix Engineering, LLC</td>
<td>1339</td>
</tr>
<tr>
<td></td>
<td>M. BRAUN, Inc.</td>
<td>1509</td>
</tr>
<tr>
<td></td>
<td>Macherey-Nagel Inc.</td>
<td>308</td>
</tr>
<tr>
<td></td>
<td>Magritek Inc.</td>
<td>1414</td>
</tr>
<tr>
<td></td>
<td>Malvern Instruments, Inc.</td>
<td>1600</td>
</tr>
<tr>
<td></td>
<td>Metrohm USA, Inc.</td>
<td>1218</td>
</tr>
<tr>
<td></td>
<td>Nanalysis Corp.</td>
<td>1300</td>
</tr>
<tr>
<td></td>
<td>Netzsch Instruments North America, LLC</td>
<td>1611</td>
</tr>
<tr>
<td></td>
<td>New Era Enterprises</td>
<td>1106</td>
</tr>
<tr>
<td></td>
<td>NIST</td>
<td>1119</td>
</tr>
<tr>
<td></td>
<td>Ocean Optics, Inc.</td>
<td>1427</td>
</tr>
<tr>
<td></td>
<td>OriginLab Inc.</td>
<td>400</td>
</tr>
<tr>
<td></td>
<td>Park Systems, Inc.</td>
<td>809</td>
</tr>
<tr>
<td></td>
<td>Parr Instrument Co.</td>
<td>1101</td>
</tr>
<tr>
<td></td>
<td>Particle Sizing Systems</td>
<td>1302</td>
</tr>
<tr>
<td></td>
<td>PerkinElmer Informatics, Inc.</td>
<td>1020</td>
</tr>
<tr>
<td></td>
<td>PharmAgra Labs, Inc.</td>
<td>434</td>
</tr>
<tr>
<td></td>
<td>PIKE Technologies</td>
<td>1111</td>
</tr>
<tr>
<td></td>
<td>Pine Research Instrumentation</td>
<td>418</td>
</tr>
<tr>
<td></td>
<td>Postnova Analytics</td>
<td>1610</td>
</tr>
<tr>
<td></td>
<td>PROTO Manufacturing</td>
<td>327</td>
</tr>
<tr>
<td></td>
<td>PSS USA, Inc.</td>
<td>238</td>
</tr>
<tr>
<td></td>
<td>Rigaku Americas Corp.</td>
<td>527</td>
</tr>
<tr>
<td></td>
<td>Robertson Microlit Laboratories, Inc</td>
<td>1017</td>
</tr>
<tr>
<td></td>
<td>SciApS, Inc.</td>
<td>1434</td>
</tr>
<tr>
<td></td>
<td>Sci Instruments</td>
<td>1603</td>
</tr>
<tr>
<td></td>
<td>Semichem</td>
<td>616</td>
</tr>
<tr>
<td></td>
<td>Showa Denko America Inc.</td>
<td>729</td>
</tr>
<tr>
<td></td>
<td>Specac, Ltd.</td>
<td>1336</td>
</tr>
<tr>
<td></td>
<td>Springer</td>
<td>501</td>
</tr>
<tr>
<td></td>
<td>Temple University School of Pharmacy</td>
<td>235</td>
</tr>
<tr>
<td></td>
<td>The Chemical Society of Japan</td>
<td>812</td>
</tr>
<tr>
<td></td>
<td>Top Hat</td>
<td>407</td>
</tr>
<tr>
<td></td>
<td>Vacuumbrand, Inc.</td>
<td>1000</td>
</tr>
<tr>
<td></td>
<td>Vernier Software &amp; Technology</td>
<td>1001</td>
</tr>
<tr>
<td></td>
<td>W.W. Norton</td>
<td>808</td>
</tr>
<tr>
<td></td>
<td>Waters Corp.</td>
<td>725</td>
</tr>
<tr>
<td></td>
<td>Wavefunction, Inc.</td>
<td>508</td>
</tr>
<tr>
<td></td>
<td>Wiley</td>
<td>600</td>
</tr>
<tr>
<td></td>
<td>World Scientific Publishing</td>
<td>506</td>
</tr>
</tbody>
</table>

### Accessible Products

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Booth Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>AdValue Technology</td>
<td>1517</td>
</tr>
<tr>
<td>Galbraith Laboratories Inc.</td>
<td>1206</td>
</tr>
<tr>
<td>Nanalysis</td>
<td>1300</td>
</tr>
<tr>
<td>Piercan USA Inc.</td>
<td>515</td>
</tr>
<tr>
<td>Rigaku Americas Corp.</td>
<td>527</td>
</tr>
<tr>
<td>W.W. Norton</td>
<td>808</td>
</tr>
</tbody>
</table>

### Career Development & Training

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Booth Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAPS (Amer Assoc. of Pharm Sci.)</td>
<td>402</td>
</tr>
<tr>
<td>ACS Career Navigator</td>
<td>827</td>
</tr>
<tr>
<td>ACS Committee on Chemical Health &amp; Safety</td>
<td>727</td>
</tr>
</tbody>
</table>

### Business Management & Services

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Booth Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACS Committee on Chemical Health &amp; Safety</td>
<td>727</td>
</tr>
<tr>
<td>Century Associates</td>
<td>739</td>
</tr>
<tr>
<td>Galbraith Laboratories Inc.</td>
<td>1206</td>
</tr>
<tr>
<td>Getson &amp; Schatz, P.C.</td>
<td>820</td>
</tr>
<tr>
<td>National Nanotechnology Coordination Office</td>
<td>539</td>
</tr>
<tr>
<td>Research In Germany</td>
<td>514</td>
</tr>
<tr>
<td>Temple University School of Pharmacy</td>
<td>235</td>
</tr>
</tbody>
</table>

### Chemical Health & Safety

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Booth Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACS Committee on Chemical Health &amp; Safety</td>
<td>727</td>
</tr>
<tr>
<td>ACS Division of Small Chemical Businesses (SCHB)</td>
<td>333</td>
</tr>
<tr>
<td>Flow Sciences</td>
<td>1608</td>
</tr>
<tr>
<td>JRF Global</td>
<td>832</td>
</tr>
<tr>
<td>LABCONCO, Corp.</td>
<td>1305</td>
</tr>
<tr>
<td>National Nanotechnology Coordination Office</td>
<td>539</td>
</tr>
<tr>
<td>Polymer Advantage LLC</td>
<td>1438</td>
</tr>
<tr>
<td>SciAps, Inc.</td>
<td>1343</td>
</tr>
<tr>
<td>Scien Instruments</td>
<td>1603</td>
</tr>
<tr>
<td>US EPA Toxics Release Inventory Program</td>
<td>1753</td>
</tr>
<tr>
<td>Workrite Uniform Company</td>
<td>1308</td>
</tr>
</tbody>
</table>

### Chemicals / Reagents / Raw Materials

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Booth Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Material Inc.</td>
<td>232</td>
</tr>
<tr>
<td>Advanced ChemBlocksInc.</td>
<td>519</td>
</tr>
<tr>
<td>Advanced Polymer Materials Inc.</td>
<td>336</td>
</tr>
<tr>
<td>AK Scientific, Inc.</td>
<td>339</td>
</tr>
<tr>
<td>Aldlab Chemicals, LLC</td>
<td>334</td>
</tr>
<tr>
<td>Ark Pharm, Inc.</td>
<td>907</td>
</tr>
<tr>
<td>B&amp;W Tek</td>
<td>401</td>
</tr>
<tr>
<td>Bellen Chemistry Co., Ltd.</td>
<td>1212</td>
</tr>
<tr>
<td>CEM Corp.</td>
<td>1418</td>
</tr>
<tr>
<td>ChemBridge Corp.</td>
<td>919</td>
</tr>
<tr>
<td>Chemshelf, Inc.</td>
<td>638</td>
</tr>
<tr>
<td>CombiPhos Catalysts, Inc.</td>
<td>807</td>
</tr>
<tr>
<td>Defense Threat Reduction Agency</td>
<td>737</td>
</tr>
<tr>
<td>Frontier Scientific, Inc.</td>
<td>1013</td>
</tr>
<tr>
<td>Galbraith Laboratories Inc.</td>
<td>1206</td>
</tr>
<tr>
<td>Galichmia S.A.</td>
<td>535</td>
</tr>
<tr>
<td>Geek Chic Designs</td>
<td>738</td>
</tr>
<tr>
<td>HepatoChem Inc.</td>
<td>338</td>
</tr>
<tr>
<td>Hypha Discovery LTD</td>
<td>536</td>
</tr>
<tr>
<td>Interchem Inc.</td>
<td>427</td>
</tr>
<tr>
<td>Johnson Matthey</td>
<td>520</td>
</tr>
<tr>
<td>JRF Global</td>
<td>1339</td>
</tr>
<tr>
<td>Komplix Engineering, LLC</td>
<td>1332</td>
</tr>
<tr>
<td>Liverpool ChiroChem Ltd.</td>
<td>337</td>
</tr>
<tr>
<td>LKT Laboratories, Inc.</td>
<td>437</td>
</tr>
<tr>
<td>Metromv USA, Inc.</td>
<td>1218</td>
</tr>
<tr>
<td>Miltex</td>
<td>900</td>
</tr>
<tr>
<td>MDP Chemicals</td>
<td>529</td>
</tr>
<tr>
<td>Oakwood Products Inc.</td>
<td>301</td>
</tr>
<tr>
<td>Oxchem Corporation</td>
<td>509</td>
</tr>
<tr>
<td>Particle Sizing Systems</td>
<td>1302</td>
</tr>
<tr>
<td>Pharma Resources (Shanghai) Co., Ltd.</td>
<td>1931</td>
</tr>
<tr>
<td>Rigaku Americas Corp.</td>
<td>527</td>
</tr>
<tr>
<td>SciAps, Inc.</td>
<td>1434</td>
</tr>
<tr>
<td>Scien Instruments</td>
<td>1603</td>
</tr>
<tr>
<td>Showa Denko America Inc.</td>
<td>729</td>
</tr>
<tr>
<td>Sorbent Technologies</td>
<td>521</td>
</tr>
<tr>
<td>Speck Scientific</td>
<td>521</td>
</tr>
<tr>
<td>Spectrum Chemical Mfg Corp.</td>
<td>811</td>
</tr>
<tr>
<td>SpiroChem AG</td>
<td>730</td>
</tr>
<tr>
<td>Strum Chemicals</td>
<td>908</td>
</tr>
<tr>
<td>Superior Silica, LLC</td>
<td>409</td>
</tr>
<tr>
<td>Synthonix</td>
<td>1433</td>
</tr>
<tr>
<td>Waters Corp.</td>
<td>726</td>
</tr>
<tr>
<td>WuXi AppTec (Shanghai) Co. Ltd.</td>
<td>628</td>
</tr>
</tbody>
</table>

### Laboratory Equipment & Services

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Booth Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Detect</td>
<td>439</td>
</tr>
<tr>
<td>Ace Glass, Inc.</td>
<td>1727</td>
</tr>
<tr>
<td>Active Spectrum Inc.</td>
<td>436</td>
</tr>
<tr>
<td>Advis</td>
<td>612</td>
</tr>
<tr>
<td>AGI USA Inc.</td>
<td>1115</td>
</tr>
<tr>
<td>Company Name</td>
<td>Booth Number</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Bio-Logic USA, LLC</td>
<td>1527</td>
</tr>
<tr>
<td>Biosensing Instrument</td>
<td>537</td>
</tr>
<tr>
<td>Brookhaven Instruments Corp.</td>
<td>1018</td>
</tr>
<tr>
<td>Bruker</td>
<td>1313</td>
</tr>
<tr>
<td>BUCHI Corporation</td>
<td>326</td>
</tr>
<tr>
<td>Camag Scientific, Inc.</td>
<td>1726</td>
</tr>
<tr>
<td>CDS Analytical, LLC</td>
<td>1430</td>
</tr>
<tr>
<td>CEM Corp.</td>
<td>1418</td>
</tr>
<tr>
<td>Formulation USA</td>
<td>1604</td>
</tr>
<tr>
<td>Galbraith Laboratories Inc.</td>
<td>1206</td>
</tr>
<tr>
<td>Gamry Instruments</td>
<td>801</td>
</tr>
<tr>
<td>Hiden Analytical Inc.</td>
<td>904</td>
</tr>
<tr>
<td>Hielscher Ultrasonics</td>
<td>1311</td>
</tr>
<tr>
<td>J-KEM Scientific</td>
<td>914</td>
</tr>
<tr>
<td>JEOL USA, Inc.</td>
<td>911</td>
</tr>
<tr>
<td>JULABO</td>
<td>1615, 1614</td>
</tr>
<tr>
<td>Keysight Technologies (formerly Agilent)</td>
<td>803</td>
</tr>
<tr>
<td>Komplix Engineering, LLC</td>
<td>1339</td>
</tr>
<tr>
<td>Kudox</td>
<td>403</td>
</tr>
<tr>
<td>Magritek Inc.</td>
<td>1414</td>
</tr>
<tr>
<td>Malvern Instruments, Inc.</td>
<td>1600</td>
</tr>
<tr>
<td>Metrohm USA, Inc.</td>
<td>1218</td>
</tr>
<tr>
<td>MicroLAB, Inc.</td>
<td>1321</td>
</tr>
<tr>
<td>Micromeritics Instrument Corp.</td>
<td>921</td>
</tr>
<tr>
<td>MilliporeSigma</td>
<td>900</td>
</tr>
<tr>
<td>National Nanotechnology Coordination Office</td>
<td>539</td>
</tr>
<tr>
<td>Netzsch Instruments North America, LLC</td>
<td>1611</td>
</tr>
<tr>
<td>NIST</td>
<td>1119</td>
</tr>
<tr>
<td>Ocean Optics, Inc.</td>
<td>1427</td>
</tr>
<tr>
<td>Park Systems, Inc.</td>
<td>809</td>
</tr>
<tr>
<td>Parr Instrument Co.</td>
<td>1101</td>
</tr>
<tr>
<td>Particle Sizing Systems</td>
<td>1302</td>
</tr>
<tr>
<td>Pfeiffer Vacuum Inc.</td>
<td>1307</td>
</tr>
<tr>
<td>Postnova Analytics</td>
<td>1610</td>
</tr>
<tr>
<td>PROTO Manufacturing</td>
<td>327</td>
</tr>
<tr>
<td>PSS USA, Inc.</td>
<td>238</td>
</tr>
<tr>
<td>Rigaku Americas Corp.</td>
<td>527</td>
</tr>
<tr>
<td>RT Instruments, Inc.</td>
<td>1601</td>
</tr>
<tr>
<td>Scion Instruments</td>
<td>1603</td>
</tr>
<tr>
<td>Shimadzu Scientific Instruments Inc.</td>
<td>709</td>
</tr>
<tr>
<td>Showa Denko America Inc.</td>
<td>729</td>
</tr>
<tr>
<td>StellarNet Inc.</td>
<td>426</td>
</tr>
<tr>
<td>TA Instruments</td>
<td>1515</td>
</tr>
<tr>
<td>Teledyne Isco - Chromatography</td>
<td>719</td>
</tr>
<tr>
<td>Thermo Scientific</td>
<td>1327, 1326</td>
</tr>
<tr>
<td>Vernier Software &amp; Technology</td>
<td>1001</td>
</tr>
<tr>
<td>Wyatt Technology Corp.</td>
<td>1406</td>
</tr>
<tr>
<td>Xenocs SA</td>
<td>1229</td>
</tr>
</tbody>
</table>
252nd American Chemical Society National Exposition
Meeting - August 21 - 25, 2016
Exposition - August 21 - 23, 2016
Pennsylvania Convention Center - Halls A&B
Philadelphia, PA

CONCESSIONS

EXHIBITOR LOUNGE
WORK AREA
IT
EXHIBITOR SERVICE CENTER
MEETING MAIL
MEET & MINGLE
TOWN CENTER
EXHIBITOR WORKSHOP #2
EXHIBITOR WORKSHOP #1
ACS BOOTH

ENTRANCE TO EXHIBITS

EXHIBITOR WORKSHOP #1
EXHIBITOR WORKSHOP #2
ACS BOOTH

252nd American Chemical Society National Exposition
Meeting - August 21 - 25, 2016
Exposition - August 21 - 23, 2016
Pennsylvania Convention Center - Halls A&B
Philadelphia, PA