“INNOVATION FROM DISCOVERY TO APPLICATION” will be the theme in Boston this August. A plenary session on that topic will be held on Sunday, Aug. 16, from 3 to 5 PM and will feature Paula Hammond from Massachusetts Institute of Technology, Peter Schultz from Scripps Research Institute California, and Karen Wooley from Texas A&M University. Many notable symposia are scheduled, including “Small Splash, Big Waves: Research at Primarily Undergraduate Institutions” and “Innovation in Materials for Emerging Uses.”

ACS President Diane Grob Schmidt will host 29 technical divisions and nine committees in original programming over 836 half-day oral sessions and 134 poster sessions, including Sci-Mix. More than 9,200 papers and nearly 3,000 posters will be presented at the meeting.

In concert with the meeting theme, Schmidt will sponsor several presidential events. On Sunday, Aug. 16, “National Science Foundation’s Centers for Chemical Innovation” highlights the research at that institution and features the heads of all eight Centers for Chemical Innovation. On Tuesday, Aug. 18, during “Transforming University-Industry Partnerships for an Innovative Future,” speakers from both academia and industry will highlight the role better university-corporate partnerships can play in driving more innovation. Details on these and other presidential events can be found at www.acs.org/boston2015.

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 400 booths.——CRAIG BETTENHAUSEN

REGISTRATION

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>FEE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEMBERS</td>
<td></td>
</tr>
<tr>
<td>ACS member or society affiliate</td>
<td>$470</td>
</tr>
<tr>
<td>Postdoctoral member</td>
<td>470</td>
</tr>
<tr>
<td>Emeritus or retired member</td>
<td>235</td>
</tr>
<tr>
<td>50-year member</td>
<td>No fee</td>
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<tr>
<td>Unemployed member (Dues waiver required)</td>
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<tr>
<td>Precollege teacher</td>
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<tr>
<td>Graduate student</td>
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<tr>
<td>Undergraduate</td>
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<tr>
<td>One-day registrant</td>
<td>235</td>
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<tr>
<td>NONMEMBERS</td>
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</tr>
<tr>
<td>Chemical scientist</td>
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<tr>
<td>Postdoctoral scientist</td>
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<tr>
<td>Visitor: Nonchemical scientist or chemical technician</td>
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<tr>
<td>Precollege teacher</td>
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<tr>
<td>Graduate student</td>
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<tr>
<td>Undergraduate</td>
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<td>Guest of registranta</td>
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EXPOSITION-ONLY VISITORS

<table>
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<tr>
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<tr>
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<td>$50</td>
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<tr>
<td>Student, exposition only</td>
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REGISTRATION IS RESTRICTED TO A SPOUSE OR FAMILY MEMBER OF 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 MUST BE COMPLETED AND PAID BY THE REGISTERING ATTENDEE AT TIME OF ORIGINAL REGISTRATION.
REGISTRATION

Early Registration. International registrants and early registrants who do not receive their badge credentials before the meeting must pick them up at ACS Attendee Registration in the Boston Convention & Exhibition Center (BCEC). Attendees who registered with U.S. addresses who registered by July 13 will receive their badge credentials by mail before the meeting. International registrants must pick up their badge credentials at ACS Attendee Registration.

Standard & On-Site Registration. Standard registration rates are in effect until Aug. 20. Register online at www.acs.org/boston2015. A valid ACS membership number must be entered during registration to register as a member and receive your member discount on registration fees. Please bring your e-mail confirmation for faster processing.

In Boston, attendees can pick up their badge credentials or complete a new registration using credit card, cash, check, or money order at ACS Attendee Registration 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.

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 Amtrak).

AIRCRAFTS:

Delta
delta.com; (800) 328-1111 (please note that ticketing charges will apply for bookings by phone)
Discount Codes: NMK2Y, NMJTX (international)

United
united.com; (800) 426-1122
Offer Code: ZT6E969361

Southwest
swabiz.com
Corporate ID: 99329790
Online Reservations Only

Amtrak
amtrak.com; (800) 872-7245
Discount code: Xo3V-918 (for phone reservations only)

RENTAL CARS:

Advantage Rent A Car
advantage.com; (800) 777-5500
Discount Code: CD02C826E8

Avis
avis.com; (800) 331-1600
Avis Worldwide Discount (AWD): B923099

Hertz
hertz.com; (800) 654-2240
Discount code: CV#02UZ0014

Supershuttle. ACS has established a 10% discount for attendees of our meeting. Take advantage of this savings by going to www.supershuttle.com or www.execucar.com and entering the discount code 94D3G in the “Group/Discount Code” box on the first page of the website.

GO GREEN FROM BOS

The BCEC is close to major transportation systems and features the fastest airport-to-convention center times in the country.

Round-trip shuttle from Back Bay to Logan Airport. Shuttle service runs every 20 minutes and picks up passengers from Logan International Airport. The cost is $5.00 one-way, credit or debit card only (free with valid MBTA pass). See more at http://goo.gl/cJy1Ht.

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.

EVENTS & ACTIVITIES

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

Some events require a ticket or registration to participate. The following events are coded to indicate what is required to participate: (R) registration, and payment when applicable, required; SE-## ticket required. 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. Cancellations or refund requests are not accepted after July 14.

Locations and times are subject to change. To learn more about these events and to buy tickets or register, visit www.acs.org/boston2015.

FRIDAY, AUG. 14

CHAS Workshop: Lab Safety Workshop
8 AM to 5 PM, BCEC, Room 157A

CHAS Workshop: Laboratory Waste Management
8 AM to 5 PM, BCEC, Room 157B
**SATURDAY, AUG. 15**

**CHAS Workshop: Hazard Analysis**
8 AM to 5 PM, BCEC, Room 157A

**CHAS Workshop: Reactive Chemical Management**
8 AM to 5 PM, BCEC, Room 157B

**CHAS Workshop: How To Be a More Effective Chemical Hygiene Officer**
8 AM to 5 PM, BCEC, Room 157C

**COACk Workshop: COACk-the-COACk Training**
8:30 AM to 5 PM, Renaissance Boston Waterfront, Pacific Ballroom F & G

**COACk Workshop: COACking Powerful Postdocs: Career Launch & Acceleration**
8:30 AM to 5 PM, Renaissance Boston Waterfront, Pacific Ballroom F & G

**COACk Workshop: Basics of Entrepreneurship & Commercialization of Research**
8:30 AM to 5 PM, Renaissance Boston Waterfront, Mediterranean Room

**COACk Reception**
5 to 7 PM, Renaissance Boston Waterfront, Caspian Room

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**SUNDAY, AUG. 16**

**Undergraduate Hospitality Center**
8 AM to 5 PM, BCEC, Room 205A

**ACS Career Fair Workshop: Career Pathways II**
8 AM to 6 PM, BCEC, Room 105

**ACS Career Fair Workshop: Career Pathways III**
8 AM to 6 PM, BCEC, Room 106

**Careers in Chemical Information & Cheminformatics: Panel Discussion & Brunch**
9 to 11 AM, BCEC, Room 52AB

**ACS Career Fair**
9 AM to 5 PM, BCEC, Hall B2

**ACS Career Fair Workshop Room**
9 AM to 6 PM, BCEC, Room 103

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**DIGITAL MEETING PROGRAM AVAILABLE AT**
http://cenm.ag/fall15fp

**ACS PRF/Research Corp. Reception**
5:30 to 7:30 PM, Seaport Hotel & World Trade Center, Plaza Ballroom C

**International Welcome Reception/SE-08/no charge**
5:30 to 7:30 PM, Sheraton Boston Hotel, Back Bay C/D

**COLL Social Hour/Open Business Meeting/Poster Session**
5:30 to 8 PM, Westin Boston Waterfront, Galleria Room

**BIOl Poster Session**
5:30 to 8 PM, Seaport Hotel & World Trade Center, Cityview Ballroom

**District I Councilor Caucus**
6 to 7 PM, Sheraton Boston Hotel, Berkeley A/B

**District II Councilor Caucus**
6 to 7 PM, Sheraton Boston Hotel, Fairfax A

**District IV Councilor Caucus**
6 to 7 PM, Sheraton Boston Hotel, Hampton A/B

**District V Councilor Caucus**
6 to 7 PM, Sheraton Boston Hotel, Republic A

**Mid-Atlantic Councilor Caucus**
6 to 7 PM, Sheraton Boston Hotel, Republic B

**INOR Poster Session**
6 to 8 PM, BCEC, Hall C

**Expo Attendee Reception**
6 to 8:30 PM, BCEC, Halls A/B1

**CINF Division Welcoming Reception and Poster Session**
6:30 to 8:30 PM, Seaport Hotel & World Trade Center, Lighthouse Ballroom 1

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Event codes indicate what is required to participate: (R) registration, and payment when applicable, required; SE-## ticket required; all nonticketed events require a visible registration badge for entry. View an updated listing of events and activities at www.acs.org/boston2015.
### Monday, Aug. 17

<table>
<thead>
<tr>
<th>Event</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHED Poster Session</td>
<td>7 to 9 PM</td>
<td>BCEC, Hall C</td>
</tr>
<tr>
<td>MEDI Poster Session</td>
<td>7 to 9 PM</td>
<td>Westin Boston Waterfront, Galleria</td>
</tr>
<tr>
<td>ORGN Poster Session</td>
<td>8 to 10 PM</td>
<td>BCEC, Hall C</td>
</tr>
<tr>
<td>CHED Green Chemistry Commitment Luncheon</td>
<td>Noon to 1:30 PM</td>
<td>BCEC, Room 258A</td>
</tr>
<tr>
<td>CHAL Drug &amp; Power Luncheon/SE-13/$40</td>
<td>Noon to 1:30 PM</td>
<td>BCEC, Room 52B</td>
</tr>
<tr>
<td>Regional Networking Event: Americas &amp; Africa</td>
<td>2 to 3 PM</td>
<td>Renaissance Boston Waterfront, Pacific Ballroom C</td>
</tr>
<tr>
<td>Undergraduate Research Poster Session</td>
<td>2 to 4 PM</td>
<td>BCEC, Hall C</td>
</tr>
<tr>
<td>University of Rochester Alumni Social Hour</td>
<td>3 to 4 PM</td>
<td>Westin Boston Waterfront, Revere Room</td>
</tr>
<tr>
<td>The Kavli Foundation Emerging Leader in Chemistry Lecture</td>
<td>4 to 5 PM</td>
<td>BCEC, Ballroom West</td>
</tr>
<tr>
<td>Student Speed Networking with Chemistry Professionals</td>
<td>4 to 5:30 PM</td>
<td>Westin Boston Waterfront, Grand Ballroom A</td>
</tr>
<tr>
<td>The Fred Kavli Innovations in Chemistry Lecture</td>
<td>5:30 to 6:30 PM</td>
<td>BCEC, Ballroom West</td>
</tr>
<tr>
<td>Chinese-American Chemical Society Dinner Banquet/SE-15/$35</td>
<td>5:30 to 9:30 PM</td>
<td>Hei La Moon Restaurant, 88 Beach St.</td>
</tr>
<tr>
<td>CHAL Reception</td>
<td>6:30 to 8 PM</td>
<td>BCEC, Room 152</td>
</tr>
<tr>
<td>University of Pennsylvania Alumni Reception</td>
<td>6:30 to 8 PM</td>
<td>Bastille Kitchen, 49 Melcher St.</td>
</tr>
<tr>
<td>CATL Poster Session</td>
<td>6:30 to 8 PM</td>
<td>Westin Boston Waterfront, Galleria</td>
</tr>
<tr>
<td>ACS Publications Editor/Author/Reviewer Reception in Honor of Kavli Lecture Series Speaker</td>
<td>6:30 to 7:30 PM</td>
<td>BCEC, Ballroom Foyer</td>
</tr>
<tr>
<td>ACS Graduate &amp; Postdoctoral Scholars Reception</td>
<td>7 to 8:30 PM</td>
<td>BCEC, Room 52B</td>
</tr>
<tr>
<td>Purdue University Department of Chemistry Alumni Reception/SE-16/$10</td>
<td>7 to 8:30 PM</td>
<td>Renaissance Boston Waterfront, Mediterranean Room</td>
</tr>
<tr>
<td>Sci-Mix Interdivisional Poster Session &amp; Mixer</td>
<td>8 to 10 PM</td>
<td>BCEC, Hall C</td>
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### Tuesday, Aug. 18

<table>
<thead>
<tr>
<th>Event</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Minnesota Alumni &amp; Friends Breakfast/SE-19/$5.00</td>
<td>7:30 to 9 AM</td>
<td>BCEC, Room 103</td>
</tr>
<tr>
<td>Senior Chemists Committee Breakfast/SE-18/$20</td>
<td>7:30 to 9:30 AM</td>
<td>Sheraton Boston Hotel, Republic A/B</td>
</tr>
<tr>
<td>ACS Career Fair Workshop: Career Pathways II</td>
<td>8 AM to 6 PM</td>
<td>BCEC, Room 105</td>
</tr>
<tr>
<td>ACS Career Fair Workshop: Career Pathways III</td>
<td>8 AM to 6 PM</td>
<td>BCEC, Room 106</td>
</tr>
<tr>
<td>ACS Career Fair</td>
<td>9 AM to 5 PM</td>
<td>BCEC, Hall B2</td>
</tr>
<tr>
<td>ACS Career Fair Workshop: Career Pathways I</td>
<td>9 AM to 6 PM</td>
<td>BCEC, Room 104C</td>
</tr>
<tr>
<td>ACS Career Fair Workshop: Career Pathways II</td>
<td>9 AM to 5 PM</td>
<td>BCEC, Hall B2</td>
</tr>
<tr>
<td>ACS Career Fair Workshop: Career Pathways II</td>
<td>9 AM to 6 PM</td>
<td>BCEC, Room 104C</td>
</tr>
<tr>
<td>ACS Career Fair</td>
<td>9 AM to 5 PM</td>
<td>BCEC, Hall B2</td>
</tr>
<tr>
<td>ACS Exposition</td>
<td>9 AM to 5 PM</td>
<td>BCEC, Halls A/B</td>
</tr>
<tr>
<td>ACS Career Fair Workshop: Career Pathways I</td>
<td>9 AM to 6 PM</td>
<td>BCEC, Room 104C</td>
</tr>
<tr>
<td>Elsevier—How to Successfully Publish Scientific Articles</td>
<td>9:30 AM to noon</td>
<td>BCEC, Room 52AB</td>
</tr>
<tr>
<td>WCC/Eli Lilly Poster Session</td>
<td>11 AM to noon</td>
<td>Sheraton Boston Hotel, Republic A/B</td>
</tr>
<tr>
<td>Alpha Chi Sigma Luncheon/$20</td>
<td>(RSVP to <a href="mailto:gpa@alphachisigma.org">gpa@alphachisigma.org</a>)</td>
<td>Atlantic Beer Garden, 146 Northern Ave.</td>
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<tr>
<td>ACS Career Fair Workshop: Career Pathways I</td>
<td>11 AM to noon</td>
<td>Sheraton Boston Hotel, Republic A/B</td>
</tr>
<tr>
<td>I&amp;EC Graduate Symposia Luncheon/SE-20/$40</td>
<td>11:45 AM to 12:45 PM</td>
<td>Renaissance Boston Waterfront, Mediterranean Room</td>
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<tr>
<td>Event</td>
<td>Time</td>
<td>Location</td>
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<tr>
<td>CINF Luncheon/SE-21/$20 (member regular)/SE-22/$15 (member student)/SE-23/$25 (nonmember)</td>
<td>Noon to 1:30 PM, BCEC, Room 52A</td>
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<tr>
<td>COLL Luncheon/SE-24/$40</td>
<td>Noon to 1:30 PM, Westin Boston Waterfront, Stone Room</td>
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<tr>
<td>WCC Lunch/SE-25/$50 (regular)/SE-26/$25 (student)</td>
<td>Noon to 1:30 PM, Sheraton Boston Hotel, Republic A/B</td>
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<tr>
<td>Meet the Federal Grant Funders &amp; Speed Coaching with Program Officers</td>
<td>1 to 5 PM, BCEC, Room 102AB</td>
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<tr>
<td>ENFL Poster Session</td>
<td>2 to 4 PM, BCEC, Hall A/B1</td>
<td></td>
</tr>
<tr>
<td>AGFD Poster Session</td>
<td>3 to 5 PM, BCEC, Halls A/B1</td>
<td></td>
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<tr>
<td>WCC “Just Cocktails” Open Meeting</td>
<td>4 to 5 PM, Westin Boston Waterfront, Stone Room</td>
<td></td>
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<tr>
<td>Division Councilors &amp; Officers Caucus</td>
<td>4 to 6:30 PM, Sheraton Boston Hotel, Liberty A/B</td>
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<tr>
<td>Committee on Science Networking Session &amp; Panel</td>
<td>4 to 6:30 PM, BCEC, Room 107A</td>
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<tr>
<td>I&amp;EC Poster Session</td>
<td>5 to 6:30 PM, BCEC, Hall C</td>
<td></td>
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<tr>
<td>Henry Hill’s 100th Anniversary Reception &amp; Award Program</td>
<td>5 to 7 PM, Seaport Hotel &amp; World Trade Center, Plaza Ballroom A/B</td>
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<tr>
<td>University of New Hampshire Chemistry Reception</td>
<td>5 to 7:30 PM, Westin Boston Waterfront, Revere Room</td>
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<tr>
<td>AGRO Blues-N-Brew</td>
<td>5:15 to 7 PM, Boston Park Plaza, Boylston Room</td>
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<tr>
<td>Division Councilors &amp; Officers Caucus Reception</td>
<td>5:30 to 6:30 PM, BCEC, Room 103</td>
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<tr>
<td>Joint POLY/PMSE Poster Session</td>
<td>5:30 to 7:30 PM, BCEC, Ballroom West</td>
<td></td>
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<tr>
<td>MEDI Hall of Fame Ceremony</td>
<td>5:30 to 7:30 PM, BCEC, Room 52AB</td>
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<tr>
<td>Boston University Department of Chemistry Alumni Reception</td>
<td>5:30 to 7:30 PM, Seaport Hotel &amp; World Trade Center, Cityview 2</td>
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</tr>
<tr>
<td>Geochemistry Division Reception</td>
<td>5:30 to 7:30 PM, Seaport Hotel &amp; World Trade Center, Flagship Room A</td>
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<tr>
<td>BIOL Poster Session</td>
<td>5:30 to 7:30 PM, Westin Boston Waterfront, Galleria</td>
<td></td>
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<tr>
<td>Regional Networking Event: Europe &amp; the Middle East</td>
<td>6 to 7 PM, Renaissance Boston Waterfront, Pacific Ballroom C</td>
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<tr>
<td>ENVR Social &amp; Reception/SE-28/$20</td>
<td>6 to 7:30 PM, Back Bay Harry’s, 142 Berkeley St.</td>
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<tr>
<td>NUCL Social Hour</td>
<td>6 to 8 PM, Seaport Hotel &amp; World Trade Center, Cityview 1</td>
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</tr>
<tr>
<td>Presidential LGBT Reception</td>
<td>6 to 8 PM, Seaport Hotel &amp; World Trade Center, Plaza Ballroom C</td>
<td></td>
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<tr>
<td>COMP Poster Session</td>
<td>6 to 8 PM, Westin Boston Waterfront, Galleria</td>
<td></td>
</tr>
<tr>
<td>INOR Poster Session</td>
<td>6 to 8 PM, BCEC, Hall C</td>
<td></td>
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<tr>
<td>CARB Poster Session</td>
<td>6 to 8 PM, BCEC, Hall C</td>
<td></td>
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<tr>
<td>ANYL Dinner/SE-29/$40 (regular)/SE-30/$20 (student)</td>
<td>6 to 9 PM, Joe’s American–Waterfront, 100 Atlantic Ave.</td>
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<tr>
<td>Herman Skolnik Award Reception</td>
<td>6:30 to 8:30 PM, BCEC, Room 254A</td>
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<tr>
<td>ENFL Dinner/SE-31/$65</td>
<td>6:30 to 9:30 PM, Morton’s the Steakhouse, 2 Seaport Ln.</td>
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<tr>
<td>TOXI General Poster Session</td>
<td>6:30 to 10:30 PM, Westin Boston Waterfront, Grand Ballroom A/B</td>
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<tr>
<td>ANYL Poster Session</td>
<td>7 to 9 PM, BCEC, Hall C</td>
<td></td>
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<tr>
<td>ChemLuminary Poster Session</td>
<td>7:30 to 9 PM, Westin Copley Place</td>
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<tr>
<td>ENVR Dinner/SE-32/$60</td>
<td>8 to 10 PM, Back Bay Harry’s, 142 Berkeley St.</td>
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<tr>
<td>ORGN Poster Session</td>
<td>8 to 10 PM, BCEC, Hall C</td>
<td></td>
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<tr>
<td>ChemLuminary Awards</td>
<td>9 PM to 12 AM, Westin Copley Place</td>
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**WEDNESDAY, AUG. 19**

<table>
<thead>
<tr>
<th>Event</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACS Career Fair Workshop: Career Pathways II</td>
<td>8 AM to 6 PM, BCEC, Room 105</td>
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</tr>
<tr>
<td>ACS Career Fair Workshop: Career Pathways III</td>
<td>8 AM to 6 PM, BCEC, Room 106</td>
<td></td>
</tr>
<tr>
<td>ACS Career Fair Workshop: Career Pathways I</td>
<td>9 AM to 6 PM, BCEC, Room 104C</td>
<td></td>
</tr>
<tr>
<td>How To Get Your Journal Article or Book Published with Elsevier</td>
<td>12:30 to 3 PM, BCEC, Room 102A</td>
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<tr>
<td>Wikipedia Edit-a-Thon</td>
<td>1:30 to 5:30 PM, BCEC, Room 102B</td>
<td></td>
</tr>
<tr>
<td>PHYS Poster Session</td>
<td>6 to 8 PM, BCEC, Hall C</td>
<td></td>
</tr>
<tr>
<td>ENVr Poster Session</td>
<td>6 to 8 PM, BCEC, Hall C</td>
<td></td>
</tr>
<tr>
<td>INOR Poster Session</td>
<td>6 to 8 PM, BCEC, Hall C</td>
<td></td>
</tr>
<tr>
<td>AGRO Awards</td>
<td>6 to 8 PM, Boston Park Plaza, Boylston Room</td>
<td></td>
</tr>
<tr>
<td>Joint MEDI &amp; ORGN Poster Session</td>
<td>7 to 10 PM, BCEC, Ballroom</td>
<td></td>
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</tbody>
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EXPOSITION

SEE WHAT’S NEW INSIDE THE EXPOSITION. Visit the ACS National Exposition at the Boston Convention & Exhibition Center (BCEC), Halls A, B1 & F, from Sunday, Aug. 16, through Tuesday, Aug. 18. 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 floor, where ACS staff members introduce new products and services, build skills with specific tools and techniques, and highlight innovative applications that may improve your productivity. Preregister at www.acs.org/boston2015 to reserve your seat.

Presentations, Prizes & Special Events. Visit the Daily Prize Raffle area (#255) from Sunday through Tuesday for a chance to win a prize. Also, don’t forget to join us on Sunday from 6 to 8:30 PM for the Welcome Celebration. Meet the president-elect candidates inside the exposition on Monday, from 1 to 4 PM.

Visit the Town Center from Sunday through Tuesday to connect with your colleagues. On Tuesday, stop by the Town Center for the Division of Energy & Fuels (ENFL) poster session from 2 to 4 PM.

Internet & Technology. Use free Internet access, and leave messages for one another at the Meeting Mail terminals located throughout the exposition and BCEC. Also, enjoy free Wi-Fi service at the BCEC.

EXHIBITOR WORKSHOPS

EXHIBITORS will host free education sessions for attendees that will introduce new products and services, build skills with specific tools and techniques, and highlight innovative applications for existing instrumentation. Visit www.acs.org/boston2015 to register for workshops.

MONDAY, AUG. 17

Cybersecurity Trends: How To Protect Yourself and Your Small Business. Sponsor: ACS Member Insurance Program, 9:30 AM to noon, Boston Convention & Exhibition Center (BCEC), Exhibit Halls A & B1, Exhibitor Workshop Room 1. Cyber-crime cost Americans $800 billion last year. This workshop will identify practical approaches to improving cybersecurity for individuals and small businesses. An information technology expert who reviews small businesses’ security systems will provide background on what drives cyber thieves and how to protect your business against them. A speaker from the Cyber Division of the FBI will outline their priorities and identify resources to help protect against cyber threats. Attendees will also learn about insurance plans available to reduce business liability and protect individuals against ID theft.

Speakers: Jeffrey M. Williams, special agent, FBI Boston division; John Poff, director of security and chief technology officer, Pearl Technology; Dave Wasson, professional and cyber liability practice leader, Hays Cos. Moderator: Joseph E. Sabol, program chair, ACS Division of Small Chemical Businesses.

Wiley Introduction to Publishing for Early-Career Researchers. Sponsor: Wiley, 9:45 AM to noon, BCEC, Room 101. A one-hour workshop session with Q&A covering how to publish with Wiley. Attend the workshop and learn how to critically assess and select a suitable journal for article publication, refine your paper to increase your chances of success, submit a manuscript and survive peer review, and apply practical techniques to increase the visibility of your article after it has been published. Workshop one starts at 9:45 AM. Due to popular demand, an additional workshop will run at 11 AM.

Designing a Distance Learning Lab Curriculum for Chemistry. Sponsor: Carolina Biological Supply Co., 9:30 AM to noon, BCEC, Exhibit Halls A & B1, Exhibitor Workshop Room 2. Help your online students learn the same critical science process skills as your classroom students. Carolina Science has transformed the hands-on labs you have used for years into distance learning labs that are reliable, safe, and affordable. Experience for yourself during this hands-on workshop how your students will easily learn the necessary lab skills and reinforce key concepts using Carolina Science Distance Learning kits. Begin to design your online lab course by reviewing more than 25 different chemistry investigations. Suitable for Gen Chem and GOB Chem courses.

Pinpoint Local Chemistry & Function—New AFM Capabilities for
Photovoltaics, Batteries, Fuel Cells. **Sponsor:** Bruker, 12:30 to 3 PM, BCEC, Exhibit Hall A & B1, Exhibitor Workshop Room 2. In this workshop we will discuss new techniques in nanochemical characterization with atomic force microscopy related to photovoltaics, batteries, and fuel cells.

From Discovery to Practical Applications—Solving Real-World Challenges in Spectroscopy. **Sponsor:** Thermo Scientific, 12:30 to 3 PM, BCEC, Room 101. This workshop will cover teaching and research applications of FTIR, Raman, and NMR spectroscopy. Join us for a hands-on opportunity to experience the latest in new instrumentation, software, and sample-handling techniques as we guide you through the latest trends in vibrational spectroscopy for more confident analyses.

SciFinder Skill Builder: Reference Searching. **Sponsor:** CAS, 1:30 to 2:30 PM, BCEC, Exhibit Halls A & B1, Exhibitor Workshop Room 1. SciFinder training for new and experienced users.

Graphing & Analysis Using Origin 2015. **Sponsor:** OriginLab Corp., 3:30 to 6 PM, BCEC, Room 101. This workshop will focus on graphing and data analysis in our latest version, Origin 2015. The first half of the workshop will cover creating and customizing two-dimensional, 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. A brief introduction to programming in Origin will also be covered.

**TUESDAY, AUG. 18**

CDD Vision Workshop. **Sponsor:** Collaborative Drug Discovery, 9:30 AM to noon, BCEC, Exhibit Halls A & B1, Exhibitor Workshop Room 1. CDD Vault is a multi-domain information management system enabling users to organize chemical and biological data through a Web interface. CDD Vision expands the CDD Vault platform by providing dynamic data visualization, custom calculations, and predictive activity modeling. During this workshop, the benefits of this interactive, dynamic visualization will be presented with case studies in a multisite collaboration scenario.

What’s New from Waters. **Sponsor:** Waters, 9:30 AM to noon, BCEC, Exhibit Halls A & B1, Exhibitor Workshop Room 2.

9:45 to 10:25 AM GPS for Glycan Analysis, Disruptive LC-MS Technologies & Workflows for Glycan & Glycoprotein Analysis Learn about the advancing technologies and workflows for glycan sample preparation, separations, and analysis by mass spectrometry. During this session you will learn about two new technologies that will greatly enhance the ability of researchers to profile and characterize glycoproteins.

10:30 to 11:10 AM Simplified Sample Preparation
Learn about a simplified sample preparation technique for small molecules from complex sample matrices. The technique yields a cleaner sample with reduced matrix effects as well as saving labor and solvent by using fewer sample-processing steps.

11:15 to 11:55 AM Advances in LC Technology: Waters Introduces the Newest Addition to Its LC Portfolio
Learn how to preserve method equivalency for established LC methods while improving productivity and gain greater understanding of the impact of system dispersion on separation performance.

FTIR, Atomic Spectroscopy, HPLC, GC & Mass Spectrometry. **Sponsor:** Agilent Technologies, 9:30 AM to 6 PM, BCEC, Room 101. Agilent will host a full-day workshop focusing on FTIR, atomic spectroscopy, HPLC, GC, and mass spectrometry topics. We will also host sessions on sample preparation, analytical method choices including HPLC columns, and optimization of your analytical process. During these interactive workshops, Agilent scientists will discuss how new technology and applications are advancing these analytical techniques. Both hardware and software advancements will be discussed with the overall goal to help users achieve the highest instrument performance across a broad range of applications.

The State-of-the-Art in Infrared and Raman Analysis. **Sponsor:** Bruker, 12:30 to 3 PM, BCEC, Room 258B. The latest advances in FTIR and Raman instrumentation and applications will be reviewed in this seminar with a thorough discussion of authentication of art objects, fluorescence-free rapid portable Raman analysis, simultaneous mid- and far-IR analysis, reverse engineering using vibrational microscopy, and chemical imaging and depth profiling.

Examples of applications will include the authentication of a newly discovered Leonardo Da Vinci, Raman analysis of previously challenging samples with fluorescence interference, and the identification of layers in multilayer polymer films. The seminar will include a live demonstration of Bruker’s new handheld Raman system and the novel Lumos FTIR microscope. Attendees are encouraged to bring samples for analysis.

SciFinder Skill Builder: Substance Searching. **Sponsor:** CAS, 10 to 11 AM, BCEC, Room 258B. SciFinder training for new and experienced users.

Research in Germany Science Lunch. **Sponsor:** Research in Germany, 12:30 to 3 PM, BCEC, Exhibit Halls A & B1, Exhibitor Workshop Room 1. Promoting scientific research in Germany with funding programs and testimonials.

New Applications in High-Resolution Accurate Mass (HR/AM) Mass Spectrometry. **Sponsor:** Thermo Scientific, 12:30 to 3 PM, BCEC, Exhibit Halls A & B1, Exhibitor Workshop Room 2. For 10 years, Thermo Scientific Orbitrap technology has been transforming mass spectrometry. Now, the first-ever combination of high-resolution gas chromatography (GC) and high-resolution/accurate-mass (HR/AM) Orbitrap technology has been introduced in the new Q Exactive GC Orbitrap Mass Spectrometer. This system offers the quantitative power of a GC triple-quadrupole MS combined with the high-precision, full-scan HR/AM capabilities available only in combination with Orbitrap technology. The Orbitrap Fusion Lumos Tribrid Mass Spectrometer was also recently introduced, offering expanded performance in advanced proteomics, biopharma, and metabolomics applications, including quantitation using isobaric tags, low-level PTM analysis,
data-independent acquisition (DIA), and top-down proteomics. The new instrument features enhanced sensitivity resulting in improved analyte detection, characterization, and quantitation.

**Flow Chemistry Seminar. Sponsor:** ThalesNano Nanotechnology Inc., 3:30 to 6 PM, BCEC, Room 258B. Education seminar on flow chemistry with industrial applications about safe and efficient synthesis and scale-up.

**In Silico Modeling in Drug Discovery. Sponsor:** Simulations Plus Inc., 12:30 to 3 PM, BCEC, Room 101. This course will describe the new functionality in version 8.0 of ADMET Predictor (substructure searching, duplicate checking, etc.) as well as the science behind the program. We will discuss the new pKa model, constructed in collaboration with Bayer AG, along with the predictive classification confidence measure we recently introduced and the predictive CYP sites and rates of metabolism models. The final section of the course will show how the log $P$, pKa, solubility and other ADME property predictions can support physiologically based pharmacokinetic (PBPK) simulations in GastroPlus to assist with early exposure predictions and dose selection in animals and humans and how those predictions can be exported through KNIME or Pipeline Pilot to streamline modeling activities.

**Nanomaterials Analysis by X-ray Scattering Methods. Sponsor:** PANalytical, 9:30 AM to noon, BCEC, Room 101. This workshop will focus on the analysis of nanosized (1- to 100-nm) materials using a laboratory diffractometer. A variety of distinct analysis techniques can be applied on the same diffractometer, such as conventional XRD, SAXS, PDF, in situ heating experiments, and GISAXS, that provide information about pore/particle size, ordering, crystalline size, phase stability, thermal dependence of lattice parameters, and local atomic structure.

**Inhibitor Design Using MOE Structure-Based Drug Design Applications. Sponsor:** Chemical Computing Group, 3:30 to 6 PM, BCEC, Room 101. This hands-on course covers the application of in silico structure-based drug design (SBDD) tools for the rational design of Tarceva-based EGFR kinase inhibitors. Starting with raw PDB protein-ligand 3-D structures, all the steps required to initiate and advance an SBDD study are covered: preparing PDB structures for modeling, binding pocket visualization, protein-ligand contact analysis, and the use of SAR for in situ modeling to design new compounds. Advanced topics such as pharmacophore query generation, protein-ligand docking, protein alignments for binding-site comparison, and in situ combinatorial synthesis will also be covered.
EXHIBITORS

The following list of exhibitors, as of July 6, 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/Boston2015 to download the updated exhibitor list and access product information.


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AAAS/Science & Technology Policy Fellowship, 1200 New York Ave., NW, Washington, DC 20045, 202-326-4700, fax: 202-239-4590, Internet: http://aaas.org/stfp 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.

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Accela ChemBio Co. Ltd., 9883 Pacific Heights Blvd., Suite 1155, San Diego, CA, United States 92121, 858-699-3322, fax: 858-769-6322 or 858-876-1948, e-mail: info@accelachem.com, Internet: www.accelachem.com Founded in 2007, Accela ChemBio is a Quality R&D Chemical Supplier for use in scientific research, industrial development, and education. Our established business sites are located in San Diego, US and Shanghai, China, respectively. Accela specializes in providing advanced pharmaceutical intermediates, building blocks, synthetic reagents and other specialty chemicals to R&D laboratories in the pharmaceutical, material, chemical and petrochemical industries, as well as academic institutions. In addition to its extensive catalog product, Accela also offers process research, custom manufacturing, and consulting services. With rigorous quality control, unique product lines, and dependability, Accela attracted 1400 customers.

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Ace Glass, Inc., 1430 N. West Blvd., PO Box 688, Vineland, NJ 08360, 800-223-4524, fax: 800-543-6752, e-mail: sales@aceglass.com, Internet: www.aceglass.com

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ACS Committee on Chemical Safety, 1155 16th St. NW, Washington, DC 20036, 202-872-6005, e-mail: s.jackson@acs.org, Internet: pubs.acs.org ACS Publications, the most trusted name cited, and the top publisher in chemistry and the related sciences, introduces ACS Central Science—our first completely open access journal—along with ACS Sensors, set to launch in 2016. Stop in at our booth to learn more about how to get involved with advocacy through the ACS Chemistry Ambassadors initiative, and how to get involved with, or create, a Local Section Government Affairs Committee, and more!

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ACS Education, 1155 16th St. NW, Washington, DC 20036, 202-872-6269, fax: 202-833-7759, e-mail: education@acs.org, Internet: www.acs.org/education The Education Division serves learners and educators by building communities and providing effective chemistry education resources, grants, communities, professional development opportunities, standards and tools. For more information that can support your efforts to provide innovative, relevant, and effective chemistry education from kindergarten through professional education.

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ACS Green Chemistry Institute, 1155 16th Street, NW, Washington, DC 20036, 202-872-6102, fax: 202-776-8009, e-mail: gci@acs.org, Internet: www.acs.org/gci The Green Chemistry Institute® believes that innovation in sustainable and green chemistry and engineering (GC&E) is vital to solving environmental and human health challenges. Our mission is to catalyze and enable the implementation of GC&E throughout the global chemical enterprise and empower you to reimagine a sustainable future.

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ACS Meetings & Expositions, 1155 Sixteenth Street NW, Washington, DC 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 summer. We also have a meeting register for a regional meeting or get information on submitting an abstract to a meeting in your region. The programming is dynamic and exciting! Meet the volunteers who are planning the meetings at the booth. Visit the regional meetings website at www.acs.org/regionmeetings for a tour of this year’s content and information on future national meetings will be on display.

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ACS Member Insurance Program, 1155 16th Street, N.W., Washington, DC 20036, 800-227-5558, ext. 6037, fax: 202-872-4435, e-mail: members@acs.org, Internet: www.acs.org/insurance

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ACS Membership, 1155 16th St. NW, Suite OTH420, Washington, DC 20036, 2028726062, Internet: www.acs.org/MemberHandbook ACS MEMBERS can come explore all their exclusive "members-only" benefits, ask questions, and network with your fellow ACS members.

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ACS Office of Public Affairs, 1155 16th St. NW, Washington, DC 20036, 202-872-4479, Internet: www.acs.org/policy The ACS Office of Public Affairs (OPA) works with ACS members to help advance the chemical enterprise by encouraging strong member participation in advocacy with legislators as well as in communicating with community leaders and the media. Stop by the OPA booth to learn more about how to get involved with advocacy through the ACSChemistry Network, how to be more effective chemists and scientists throughout the Chemistry Ambassadors initiative, and how to get involved with, or create, a Local Section Government Affairs Committees, and more!

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ACS Publications, 1155 16th Street, N.W., Washington, DC 20036, 800-ACS-5558, fax: 202-872-6076, Internet: www.acs.org The ACS Store, features limited edition chemistry themed merchandise, such as mole dolls, t-shirts and beaker mugs.

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ACS Web Strategy & Operations, 1155 16th Street, NW, Washington, DC 20036, 202-872-4548, e-mail: m_parker@acs.org, Internet: www.acs.org The ACS web site is becoming more search-friendly! we’ve made improvements to the navigation and need your input to help us take search on www.acs.org to the next level! Stop by the ACS Web kiosk to take a brief survey and the MOTW quiz and get a free gift.

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Activated Research Company, 7561 Corporate Way, Eden Prairie, MN, United States 55344, 612-810-4363, Internet: www.activateresearch.com Polyarc(TM) is a catalytic reactor system that eliminates calibrations of the flame ionization detector (FID) with its unique chromato- graph (GC). The microreactor design enables quantification of all carbon-containing chemicals with enhanced sensitivity while maintaining GC separation performance and peak shape. Make your GC better, faster, and cheaper with the Polyarc(TM).

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Chermus Inc., P. O. Box 920524, Needham, MA 02492, Chermus developed the world’s first polymer-structured disposable filter funnel for solid-liquid separation. Recently, we developed advanced Deuterio-Intermediates for acetic acid.

Cintas Corporation, 6800 Cintas Blvd, Mason, OH, United States 45040, 513-701-2901, Internet: www.cintas.com 201

Collaborative Drug Discovery, 1633 Bayshore Highway, Suite 342, Burlingame, CA, United States 94010, 510-297-3990, Internet: www.collaborativedrug.com Collaborative Drug Discovery (Booth 227) provides an innovative para-digm for drug discovery. CDD Vault is an affordable platform enabling users to organize chemical & biological data & collaborate within labs or across the globe through an intuitive web interface. CDD Vision expands the CDD Vault platform by providing dynamic data visualization.

CombiPhos Catalysts, Inc., P. O. Box 220, Princeton, NJ 08542-0220, 609-587-6500, fax: 609-587-6570, e-mail: info@combi-phos.com, Internet: www.combi-phos.com CombiPhos Catalysts, Inc. is the sole provider of highly active, air- and moisture-stable cross-coupling catalysts (POpD, POpD1, POpD2, POpD3, POpD4, POPS, POPd6, POPD7, POPd8, POPd2, POPd3, POPd5, POPd7, CombiPhos-Pd6, and CombiPhos-Krt) that have been used in over 800 pharmaceutical, agrochemical, and fine chemicals worldwide since 2002. CombiPhos Catalysts, Inc. is the provider of novel chemical intermediates (gram to kg scale) including derivatives of pyridine-2-boronic acids, pyridine-4-boronic acids, thiazole-4-boronic acids, thiazole-S-boronic acids, pyrimidine-5-boronic acids, pyrazine-2-boronic acids, and pyridazine-3-boronic acids via catalytic transformations. CombiPhos Catalysts, Inc. is also developing new, highly active, air and moisture stable chiral/achiral catalysts.

CONFLEX Corp., 2-15-19 Kami-osaiki, Shina-gawa-ku, MG Meguro 6F, Tokyo, Japan 141-0021, 81-3-6380-8290, fax: 81-3-6380-8299, e-mail: info@conflex.com, Internet: conflex.com CONFLEX permits fast, accurate, automated conformation searching and analysis critical to drug discovery and chemical engineering. CONFLEX can completely search the conformational space of a flexible molecule to find every optimal structure of chemical/physical properties. CONFLEX also includes crystal structure search and optimization, CD/UVis spectra and solvent effect.

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Extrel CMS, 575 Epsilon Drive, Pittsburgh, PA 15238, Internet: www.extrel.com 817

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Flow Sciences, 2025 Mercantile Drive, Leland, NC 28451, 9107631717, fax: 9107631220, 1335

FormulaUSA, 6660 N High Street, Suite 2A, William, OH, United States 43085, 614-888-0023, fax: 614-987-0045, Internet: www.formulausa.com Formul USA offers instruments to help improve and enhance the performance of science, health, and technology professionals, empowering them to make better decisions, and deliver better care.

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Expo–7
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Harrick Scientific, 1410 Tompkins Ave, 2nd Floor, Ithaca, NY 14850, 607-272-3487, fax: 607-272-3489, e-mail: info@harrick.com, Internet: www.harrick.com Harrick Scientific offers a wide variety of spectroscopic accessories for transmission, specular reflection, diffuse reflection, and ATR for the UV/Vis, NIR, and Mid-IR. Harrick’s ConcentratIR 2 for performing multiple reflection ATR spectroscopy on very small amounts of sample. See the Video MVP, a Monolithic Diamond ATR accessory with built-in camera. See our selection of temperature-controllable cells. Featuring our VariQATR for monolayer determinations on silicon and metal substrates and our fiber optic accessories, including the new Diamond Probe.

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Harvard Apparatus, 84 October Hill Road, Holliston, MA 01746, 508-893-8999, fax: 508-429-5747, e-mail: bioscience@harrandapparatus.com, Internet: www.harvardapparatus.com Harvard Apparatus offers a broad selection of world class scientific products and accessories to suit any application. Our pumps feature accurate flow with reduced setup time using the innovative touch screen control. A full line of accessories are also available.

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106825-79-0; (S)-3-Morpholinocarboxylic Acid;  
151274-22-1;Tri-tert-butyolphosphonium Tetrafluoroborate;  
33494-80-3; Potassium Di-tert-butylphosphate;  
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Ark Pharm, Inc.  
Booth # 1110  
2-Bromo-5H-pyrrrolo[2,3-b]pyrazine, 875781-43-4  
2,6-Dichloro-4-methyl-3-nitropyridine, 5043-79-8  
5-Fluorocinnamaldehyde, 31181-88-1  
2,4-Dichloro-5-(trifluoromethyl)pyrimidine  
2-Amino-4-bromobenzaldehyde, 59278-65-8

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Nanoram  
Exemplar Pro  
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NanolIBS

Berry & Associates  
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5'-Deoxythymidine CEP  
Water - 18O  
L-Histidine-1-13C  
X,5'-Cyanine 3 CEP

BioChromato (Amuza Inc.)  
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Spectrometer  
230ATS Atomic Absorption spectrophotometer  
Jupiter Microwave Digestion System  
M530 Infrared Spectrophotometer

Camag Scientific, Inc.  
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TLC Visualizer documentation system  
Automatic Developing Chamber 2 (ADC2)  
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2-(aminomethyl)phenylboronic acid CAS:

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4-AMINO-2-HYDROXYBENZESULFONAMIDE  
2-PROPYL-5-THIAZOLECARBOXYLIC ACID  
1-[(4-(trifluoromethyl)phenyl)propan-2-one  
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Affinity Nano ITC  
ThalesNano Nanotechnology Inc.  
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