American Chemical Society

ACS International Activities: Connecting ACS and its Members to the Global Practice of Chemistry

Ellene Tratras Contis, Chair, ACS Committee on International Activities
2016 Approved IAC Strategic Interests and Priorities

• Proactively advocating, catalyzing, initiating and implementing ACS international activities.

• Provision of education and research conferences and initiatives and development of broad scientific understanding, appreciation of chemistry, and promotion of the image of chemistry.

• Developing and carrying out activities which are science driven and advance the interests and priorities of ACS member-volunteers with global interests.

• And the fulfillment of Article II, Section 3 of the ACS Constitution - “The SOCIETY shall cooperate with scientists internationally and shall be concerned with the worldwide application of chemistry to the needs of humanity.”
Role of ACS Intl Activities in support of international growth

- Membership Growth Overseas
- Expand International Chapters
- Explore Int’l Student Groups/Network
- Continue Int’l Outreach Activities

- International Collaborations
- Global & Strategic Alliances
- Global Jobs & Exchange Opportunities
- Symposia & Workshops on Global topics

- Collaborations Within ACS
- Technical Divisions (AFGD, ANAL)
- Committees (MAC, DAC, CPRC SOCED, CPT, YCC)
- Recognition (GIG & CL Awards)
ACS International Chapter Locations
ACS International Chapters and Their Strategic Value

• Serve as ACS “local connections” for their geographical regions
  – Networking, social interactions, career development
  – Professional development, recognition

• Gather and catalyze ACS members around the world

• Facilitate global networking and collaboration

• Support ACS global growth strategy
  – Publicize Society’s activities, products and services
  – Link ACS and its members to critical regions of the world
  – Provide the ACS with a voice on the global stage
We have two primary modes of setting up international chapters…

**Organic growth** – where the ACS members at a region initiate the formation of a chapter.

**Strategic** – where ACS looks at a number of criteria and actively encourages the formation of a chapter.
ACS INTL CHAPTER DEVELOPMENT - Looking Forward

- ACS Intl Chapter Local Registration / Licensing
- Treasurer’s Handbook
- Local Section and Chapter Linkages
- 2017 Asia Pacific Basin Intl Chapter Conference
- Service to Intl Chapters and ACS Fellows Program
- Web and Social Media Presence Enhancement
- ACS Intl Chapters and a Global Definition of Diversity and Inclusion
- Connecting Intl Chapters to Intl Student Chapters
Global Appreciation and Promotion of the Image and Contributions of Chemistry

- ACS Festival Series and Institutes
- BOOST
- Global Chemists Code of Ethics
- S&T Leadership Institutes
Rationale

ACS Chemistry Festivals are very successful, but it is hard to expand the program.

Format

A 2- or 3-day program where attendees learn everything needed to host a Chemistry Festival in their home territories

Delegates volunteer or are nominated by local ACS Chapters, teams prepare Festival Grant applications over the FTI for Festivals in 2016.

Success!

“This is my first time participating in the ACS activities (I have more connection with RSC). This but training experience drives me very much to participate in the ACS activities or want to be part of this community in the future. This training is great. The speakers, Ingrid, Lily and Patricia are all very professional, helpful and approachable. I think I've learned much more than what I expected. Thank you so much for organizing this and having me participate. I feel I can get more support to what I should do in my role now and this training enhances my confidence in moving on. Thank you!!”

Next Event: Panama, November 2016 for Festivals 2017
BOOST

Description

Soft-skill workshops for scientists and engineers in Peru and Brazil

Format

Four workshops held at four universities in Peru, June 2016.
Five at five sites planned for Brazil, October 2016.
Train strongest BOOST attendees to teach in their communities, Panama 2016
Include local chemical societies and ACS Chapters in planning

Success

Positive feedback from attendees, including interest in working with ACS Peru

Next Event: Brazil, October 3 – 15, 2016

Q1. Join the ACS Peru Chapter
Q2. Join/renew membership in SQP
Q3. Apply for TLI Panama 2016
Q4. Participate in a Chemistry Festival
Q5. Submit an abstract to IUPAC 2017
Advancing the interests and priorities of ACS member-volunteers with global interests

- IAC Stopover Grants Pilot
- CS3 – 2017 and Beyond
- ABChem (formerly Atlanticchem)
- IUPAC 2017 Sao Paulo, Brazil
- ACS International Center
SUSTAINABILITY & DIVERSITY THROUGH CHEMISTRY

Chemical Synthesis  
Education in Chemistry  
Analytical & Food Chemistry  
Chemistry for Industry Innovation  
Green Chemistry and Biotechnology  
Energy, Water and Environmental Sciences

Nano Science and Technology  
Macromolecules and Materials  
Natural Products and Biodiversity  
Inorganic and Structural Chemistry  
Medicinal Chemistry and Chemical Biology  
Physical, Biophysical and Computational Chemistry
Fast Facts:

600+ total program listings currently found on [global.acs.org](http://global.acs.org)

16 geographies (Brazil, China, France, Germany, Global, the Netherlands, Hungary, India, Italy, Japan, Singapore, South Africa, Portugal, Turkey, UK, US, New Zealand)

7 experience levels (High School, Undergraduate, Graduate, Postdoctoral, Teachers & Faculty, Senior Academic, Professionals)
**30 ACS International Center™ Affiliates**

Affiliates of the International Center are embassies, institutions and international organizations who have joined hands with the ACS to promote international exchange opportunities to those seeking to gain intellectual experience abroad.

**Welcoming in fall 2016 - NCURA! National Council of University Research Administrators**

**2016 Webinars/Events:**
- Opportunities in Germany (with DAAD) & Humboldt Foundation
- Maximizing Effectiveness with Global Teams
- Global Science & the NSF (in September)
**Online Content Viewership**

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IAC Activities and Contributions to the ACS National Meeting in Philadelphia

2016 ACS Presidential Symposia
• Chemical Sciences & Human Rights Symposium (Sun 8/22).
• Chemistry in the U.S. & China: Current & Future States of Shared Scientific Interests & Opportunities for Cooperation (Sun, 8/22 and Mon, 8/23).
• Broadening Participation in Global Chemistry Experiences: Why Engaging Diverse Chemistry Communities in Global Research is Critical (Mon, 8/23).

Committee Events
• IAC Open Meeting, Saturday, August 20, 1:00 p.m.
• Networking Globally: Science & Human Rights Event, Sunday, August 21, 4:00 p.m.
• IAC International Networking Reception, Sunday, August 21, 5:30 p.m. - all in the Philadelphia Marriott.
• Chinese American Chemical Society Banquet, Tuesday, August 23, 5:30 p.m. Joy Tsin Lau Restaurant.
• Korea Night, Tuesday, August 23, 4:30 p.m., Seorabeol Restaurant
Join us Monday, August 22, 2016 from 2-5pm in Liberty Salon A • Philadelphia Marriott Hotel Downtown

ACS President Donna Nelson, the ACS International Activities Committee and Division of Professional Relations is pleased to present:

“Broadening Participation in Global Chemistry Experiences:
Why Engaging Diverse Chemistry Communities in Global Research is Critical”

A symposium and panel discussion intended to highlight the importance of inclusion in global STEM and REU experiences.

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<tr>
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<td>Welcome and Introductory Remarks</td>
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<td>Gloria Thomas</td>
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<tr>
<td>2:20pm</td>
<td>Experiencing research immersion in a foreign laboratory: I-REU program in France</td>
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<td>Valeria Kleiman, University of Florida</td>
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<td>2:40pm</td>
<td>Engaging students from diverse backgrounds in global learning experiences</td>
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<td>Zakiya Wilson, North Carolina Agricultural &amp; Technical University</td>
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<tr>
<td>3:00pm</td>
<td>Connecting-efforts to provide global experiences in chemistry</td>
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<td>Leyte Winfield, Spelman College</td>
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<td>3:20pm</td>
<td>Broadening participation through an international REU site in France and Belgium</td>
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<td>Gloria Thomas, Louisiana State University</td>
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<td>3:40pm</td>
<td>Broadening my career through international experiences</td>
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<td>Artrease Benoit, BASF</td>
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<td>4:20pm</td>
<td>Panel Discussion</td>
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Learn more at [http://global.acs.org](http://global.acs.org).
2016 ACS Fellows

Honoring: Dr. Ferenc Darvas

Time and Location

• Saturday, August 20, 2016, 1:25 PM, Philadelphia Marriott, Franklin 3/4

The Fellows Program

• Began in 2009 as a way to recognize and honor ACS members for outstanding achievements in and contributions to science, the profession, and ACS.
• In 2016, the ACS has named 57 members as Fellows.

Dr. Ferenc Darvas
Volunteer Service to ACS Award

*Recipient: Dr. HN Cheng*

**The Award:**

- Designed to recognize volunteer efforts of individuals who serve the ACS and contribute significantly to the goals and objectives of the Society.
- Established by the ACS Board of Directors in 2001 with support from the ACS General Endowment Fund.

**Eligibility and Selection**

- Nominees must have been an ACS member for at least 15 years and have made significant contributions to the ACS, including:
  - initiation of sponsorship of a singular endeavor.
  - exemplary performance as a member or chair of a national level ACS committee, elected division, or local section.
  - outstanding service in a leadership role in regional meeting(s) or local section.
- Nominations are solicited from individuals and supported by peer recognition and letters of support.
2016 Kenneth A. Spencer Award
Recipient: Dr. Agnes M. Rimando

The Award:
• Recognizes outstanding achievement in Food and Agricultural Chemistry.
• Supported and administrated by the Kansas City Section of the American Chemical Society.
• Award will be presented at the Spencer Award Banquet in Kansas City, Missouri, on September 16, 2016.

Eligibility and Selection
• Dr. Rimando worked as a UNESCO scholar in Korea in 1985, and a Monbusho Research Scholar in Hiroshima, Japan from 1985-1987.
• Since, 1995, she has been working as a Postdoctoral Research Associate with the USDA Agricultural Research Service.
• Dr. Rimando is internationally recognized for her discovery of pterostilbene in blueberries and its many health benefits.
Connectivity and the Global Reach of Chemistry: Honoring the Life and Scientific Contributions of Ernest L. Eliel

Time and Location:
- Tuesday, August 23, 2016, 1:30 PM – 5:00 PM
- Philadelphia Convention Center, Room 124 (100 Level)

Speakers
- **Jeffrey I. Seeman**, University of Richmond, *Ernest L. Eliel: A Professional’s Professional*
- **William F. Bailey**, University of Connecticut, *The Importance of Electrostatic Interactions on the Conformational Behavior of Substituted 1,3-Dioxanes*
- **Daniel Garcia Rivera**, University of Havana, *Interplay between Organocatalysis and Multicomponent Reactions in Stereoselective Synthesis*
- **Kenso Soai**, Tokyo University of Science, *Asymmetric Autocatalysis and the Origin of Homochirality*
- **Margarita Suárez Navarro**, University of Havana, *Stereodivergent Synthesis of Chiral Fullerenes*
- **Eusebio Juaristi y Cosio**, National Polytechnic Institute of Mexico, *Theoretical Evidence for the Relevance of n(F)→σ*(C-X)(X=H, C, O, S) Stereoelectronic Interactions*
- **Anthony S. Serianni**, University of Notre Dame, *Saccharide Structure and Mechanism: Walking in the Footsteps of Ernest Eliel*
Chinese-American Chemical Society
2016 Fall Meeting and Banquet

Time and Location:
• Tuesday, August 23, 2016
• Joy Tsin Lau Restaurant, 1026 Race St. Philadelphia, PA 19107

Cost
• $35/person; On-site registration available

Speakers
• Dr. Teng Xu, 2016 CACS President; Dr. Marinda Li WU, CACS Board and ACS Past President

Keynote Address
• “Asian Americans – Over-respected in Academics, Under-represented in Management” by Dr. Hai-Lung Dai

Presentation
• “Introduction of Synfuels Americas” by Justin (Judd) Swift