

Small Chem Biz

Division of Small Chemical Businesses
American Chemical Society



March 2015

Volume 45, Issue 1

UPCOMING EVENTS

April 3, 2015

**Deadline for Pacificchem
Abstract Submission**

April 14, 2015

**Program-in-a-Box Pilot
on Safety Culture**

April 21, 2015

ACS ERC Showcase West

September 17-18, 2015

**ACS Entrepreneurial
Summit**

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MESSAGE FROM THE CHAIR

MUKUND CHORGHADE



It is an honor and privilege to welcome you to SCHB. The breadth, depth and sophistication of the talent and creativity of our members are outstanding. We have eminent researchers and professionals, from all sub disciplines of chemistry, who represent the triad of academia, government and industry. We enjoy a cherished and hallowed tradition of excellence. The warmth and gracious hospitality with which we welcome participation by our members, collaborators and distinguished guests has been the hallmark of our tradition and the well-spring of our progress. We are embarking on several new projects and have forged a path for a new Strategic Vision 2015. Our projects are well conceived, meticulously researched and designed to reach out to broad sections of the chemistry enterprise, innovation and entrepreneurship, that SCHB is drawn towards. I draw particular attention to our goal of fostering new long-term relationships

between participants from different professional organizations.

Please join us in what promises to be an outstanding year of progress. Volunteers like you are a tremendous source of ideas that constitute the lifeblood of an organization. Join a committee of your choice, provide creative inputs into the programs and assist us in increasing the public's awareness and enjoyment of Chemistry.

We will gain refreshingly new insights and perspectives from the collective wisdom of the assembled network of SCHB executives. Our teamwork will offer people a vision, perchance to dream and the motivation to explore new vistas and ventures. SCHB stands ready to bring about a sea change in mentorship, and ACS patronage of Small Businesses to benefit the "young and old and shy and bold" and spanning international geographic, national and cultural boundaries.

I look forward to future professional interactions with admiration and enthusiasm. And of course humorthe possibilities are intriguing!!

*Mukund Chorghade
SCHB Chair*



DENVER DIGEST

Joe Sabol, Program Chair

All SCHB activities, except *Hach Award Reception*, *Sci-Mix*, and *Expo* will be held in **Embassy Suites Hotel**, with the technical program in **Cripple Creek Ballroom 2**; see <http://bit.ly/1wzEPTv> for the floorplan.

Enjoy continental breakfast and conversation with *SCHB Members' Breakfast*, Sunday, March 22, 7:30-8:30 a.m., in Aspen Room B, Embassy Suites. Reservations are not necessary, but RSVP at <http://ow.ly/IMelv> to help planning.

Afterwards, your Executive Committee will discuss the future programs, activities, resources, and member benefits. Feel free to join - the meeting is open and we want your opinion, but if you have an item to be addressed, please send it to Patrick Kearney at secretary@acs-schb.org so it can be included in the agenda.

At noon, join SCHB and PROF speakers, members, and guests for lunch at Silverton Ballroom

2, Embassy Suites. Please RSVP at <http://ow.ly/IMiJF>.

SCHB's *Annual Business Meeting* will start at 1:30 p.m. CC Ballroom 2, Embassy Suites.

Immediately following is SCHB's *Poster Session*; the poster will remain on display but will also be at Sci-Mix, Monday night.

Best Practices for Success with SBIR & STTR Grants starts at 2:00 p.m. with presentations from successful grant recipients, followed by a panel discussion. CC Ballroom 2, Embassy Suites.

Sunday evening, stop by SCHB's **Expo Booth 332**, 6:00-8:30 p.m., and "discuss business" with SCHB colleagues.

On Monday morning, SCHB is pleased to host **Kathryn C. Hach Award for Entrepreneurial Success: Symposium in Honor of Terry L. Brewer**. Continental Breakfast will be available at 7:30-8:30 a.m. Three presentations on the craft of entrepreneurship and innovation will be followed by the Award Address. (CC Ballroom 2, Embassy Suites)

At noon, SCHB will host *Hach Award Luncheon*. Silverton Ballroom 2, Embassy Suites. Please RSVP at <http://ow.ly/IMlwi>.

Water is the Next Oil: Small Businesses Percolating to the Top will start at 2:00 p.m. Hear about the latest technology in the water sector. CC Ballroom 2, Embassy Suites.

On Monday 5:30-7:30 p.m. SCHB is also pleased to host the *Hach Award Reception*. Enjoy conversation while sharing food and beverage. Thanks to Ed Huffman for making the arrangements. Cactus Club, 1621 Blake Street, Denver.

Sci-Mix is 8:00-10:00 p.m. If you did not see the SCHB posters on Sunday, all are at *Sci-Mix*.

Remember, the Expo is open on Tuesday. All are welcome to stop by SCHB's booth 332 and "discuss business."

Full details can be found at <http://acs.org/denver2015>.

SCHB TECHNICAL PROGRAM

Embassy Suites Hotel, Cripple Creek Ballroom 2 (unless otherwise noted)

SUNDAY AFTERNOON

SCHB Session **Entrepreneurs' Poster** (Cosponsored by YCC)
G. Ruger, Organizer, Presiding

1:30 1. Thirty-five years and going strong: SCHB offers resources and networking opportunities for small and growing chemical businesses. **M. Chorghade**, A. Rahman, S. Seelig, P. Kearney, D. Deutsch, S.

Vercellotti, J. Sabol, J. Maclachlan, C. Burton, K. Hylton-Rodic, G. Ruger, N. Vaidya
2. Chemical Angel Network chemists investing in chemical businesses. **S. White**

Best Practices for Success with SBIR & STTR Grants (Cosponsored by PROF and YCC)
P. Kearney, Organizer, Presiding

2:00 Introductory Remarks.

2:05 3. ThruPore Technologies LLC: Experiences in NSF's I-Corps and SBIR programs. **M. Bakker**

2:30 4. Chemical entrepreneur's first time NIH SBIR grant application submission. **P. Kearney**

2:55 Panel Discussion.

MONDAY MORNING**Kathryn C. Hach Award for Entrepreneurial Success: Symposium in Honor of Terry L. Brewer**

(Cosponsored by PROF and YCC)

*P. Kearney, Organizer**J. Sabol, Organizer, Presiding*

- 7:30** Coffee & Networking.
- 8:30** Introductory Remarks.
- 8:50** 5. Entrepreneurs: Locally born to accept the global challenges. **S. Moles**
- 9:20** 6. Innovation and entrepreneurship: Advantages of private companies **J. Mooney**
- 9:50** Intermission.
- 10:20** 7. Small business in a big industry. **K. Savala**
- 10:50** 8. Award Address Small business (chemistry) in a big world (technology). **T. Brewer**

The **Kathryn C. Hach Award for Entrepreneurial Success** is a National Award that recognizes entrepreneurs who have “created a new product, service, company or industry based on the transforming power of chemistry to improve people’s lives” and have generated positive impact on people’s lives and the economy. Congratulaions to the 2015 recipient, **Terry L. Brewer** from Brewer Science Inc.

MONDAY AFTERNOON**Water is the Next Oil: Small Businesses Percolating to the Top**

(Cosponsored by YCC)

A. Boal, Organizer, Presiding

- 2:00** Introductory Remarks.

- 2:05** 9. Surface-modified carbon electrodes for long-life capacitive de-ionization processes.

J. Landon

- 2:35** 10. Innovating water treatment with on-demand chemistry. **A. Boal**

- 2:35** 11. Evolution of Hach Chemical Company to Hach Lange: Success and growth through customer focus. **C. Johnson**

- 3:35** Concluding Remarks.

MONDAY EVENING

Sci-Mix *G. Ruger, Organizer, Presiding*
Colorado Convention Center, Hall C

- 8:00 - 10:00** 1, 2. See previous listings. ■

TUESDAY PROGRAMMING*Christine E. McInnis, Organizer*

The Chemistry of the Energy Water Nexus morning and afternoon sessions will be held on Tuesday, March 24, in Room 201 of the Colorado Convention Center. We will hear from Bruce MacKay of Slumberger, Terry Williams of Dow Microbial Control, Andrew Boal of Myox,

Kevin Sikkema of Swire Oilfield Services, Casie Hilliard of the Dow Chemical Company, Mason Tomson of the Brine Institute, Kelvin Gregory of Carnegie Mellon University, and Tzahi Cath of Mines. After the formal speaker presentations, we will have a panel discussion including Pious Kurian of Nalco Champion and Jeff Herbert of CarboCeramics. The

sessions and panel discussion are sponsored by the Inorganic Division (INOR), the Energy and Fuels Division (ENFL), the Younger Chemist Committee (YCC), and SCHB. There will be a reception immediately following the panel discussion sponsored by The Dow Chemical Company to allow participants to continue conversations and network with the speakers. ■

SCHB Presenters Benefit**One Day Free**

Registration Contact
Program Chair Joe Sabol
program@acs-schb.org

Free Newsletter Ad

Contact Newsletter Editor
Rajeev Chorghade
newsletter@acs-schb.org

SCHB AND REGIONAL MEETINGS

SCHB was represented at the 66th Southeastern Regional Meeting (SERMACS) on Oct. 16-19, 2014 in Nashville, TN. True Stories from Entrepreneurs were shared by Joe Sabol, Roger Ford, and Stephen Porter about service-based, bioenergy, and drug development businesses.

The 45th Central Regional Meeting (CERM) held on Oct. 29-Nov. 1, 2014 in Pittsburgh, PA had 12 speakers in the SCHB program. The Entrepreneurs' Tool Kit: Resources and True Stories was organized by Ron Taylor, Xiaoxi Ling, and Joe Sabol. Speakers included Peter Lauro, Stephen Cohen, Jacqueline Allen, Joseph Ciotti, Eric Beckman, Beth

(Continued on page 4)

PROGRAMMING

Bosley, Beth Vasy, Philip Yeske, Colin Horwitz, and Joe Sabol who presented on topics from IP and general business advice to personal success stories. ■

REGIONAL MEETING REPORT 2015

Joe Sabol, Program Chair

SCHB will program at two regional meetings in 2015: Joint Great Lakes Central Regional Meeting and Southeast/Southwest Regional Meeting. Both will have symposia Entrepreneur's Tool Kit: Resources and True Stories, containing a mix of presentations on business resources and narrative "true stories" from existing small business principals. Small business posters are welcome, too.

JGLCRM will be in Grand Rapids MI, May 27-29 and has the theme Chemistry: A Grand Enterprise. Abstract submission closes on March 23 and early registration and housing rates close on April 19. For more information, see www.jglcrm2015.com.

SERMACS/SWRM will be Memphis TN, November 4-7 and has the theme Exploring All Directions. If you would like to participate in SCHB's symposia, please contact Joe Sabol at program@acs-schb.org. For more information, see www.2015sermacs-swrn.com.

It's not too early to plan for regional meetings in 2016. If you would like to organize a SCHB-sponsored symposia at a 2016 regional meeting, contact Anis Rahman at chair-elect@acs-schb.org. ■



JENNIFER MACLACHLAN

Booth Chair Niteen Vaidya greets people at the SCHB Booth during the Expo at the ACS National Meeting in San Francisco.



XIAOXI LING

Speakers from the CERM 2014 Meeting participating in the Entrepreneurs' Tool Kit: Resources and True Stories. L to R: Joe Sabol, Organizer Xiaoqi Ling, Eric Beckman, Jacqueline Allen, Ron Taylor.



ANIS RAHMAN

Lunch with the ACS leaders around the country. Paul Jagodzinski (right most) sitting with Anis Rahman (second from right).

SHOWCASING SMALL BUSINESSES WITH SCHB BOOTH OPPORTUNITY

gain EXPOSURE | INTERACT with attendees | NETWORK | ACCESS opportunity | GROW your business

Discounted rate for SCHB Members ● Free National Meeting Registration

Contact Booth Chair, Niteen Vaidya expo-booth@acs-schb.orgVisit SCHB at **Booth #332** and the following booths at the Expo from Sunday 6:00 – 8:30 p.m. or Monday to Tuesday 9:00 a.m. – 5:00 p.m., Colorado Convention Center, Halls A&F.

Booth #443

Chemistry At Your Fingertips*Pete Bonk, CEO*peterbonk@gmail.com

Booth #437

Supra Sciences*Theresa Riley, Sales and Marketing*theresa@suprasciences.com

Booth #538

Viridischem*Neelam Vaidya, CEO*neelamv@veridischem.com

Booth #237

**The Committee for Cannabis
Chemistry Division Formation***Ezra Pryor, Principal*ezra.pryor@gmail.com**MOLECULES MISBEHAVING?** Gremlins in your resin kettle? Equilibrium shifting? pH imbalance? We can help! Semiconductors, metals/oxides, polymers, coatings, chemical and materials analysis, market research, regulatory issues,...and more!
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BECOME AN SCHB PATRON MEMBER

SCHB Welcomes New Patron Members
CreaGen Biosciences and **CiVenti Chem**

Corporations or organizations wishing to become Patron Members are those that wish to foster the Division's objectives to aid in the formation, development, and growth of small chemical businesses. Addition objectives as defined in the [SCHB Bylaws II, Section 3](#) broadly include addressing legal, educational, regulatory, economic, and legislative needs, encouraging personal interaction among members and other organizations interested in promoting free enterprise among chemists, being a liaison between small chemical businesses and chemistry students, and providing expertise of its members to the Society for the betterment of the public.

Annual dues for Patron Members are \$200.

*Alternatively, become a Patron Member at the \$500 level by **sponsoring an event** at future National Meetings. These events include Meeting Breakfasts, Speakers' Luncheons, or Socials.*

For details, contact Treasurer David Deutsch (treasurer@acs-schb.org) or Program Chair Joseph Sabol (program@acs-schb.org). ■

2014 ACS FELLOWS IN SCHB

SCHB members Donovan Robert Porterfield of Los Alamos National Laboratory and Sadiq Shah of University of Texas–Pan American were recognized for outstanding achievements and contributions to science, the profession, and the Society with the distinction of ACS Fellow.

ACS AWARDS WEBSITE



Donovan Robert Porterfield and Sadiq Shah

Among their many accomplishments, Porterfield characterized nuclear materials utilizing radiochemistry and nuclear spectrometry for national security applications and served as the Chair and Councilor of the Central New Mexico Local Section. Shah developed corrosion inhibition technology, helped generate 23 startups, and created entrepreneurship programs for ACS members under the Committee on Economic and Professional Affairs.

The nomination deadline for 2015 ACSF closes on April 1; see www.nominatefellow.acs.org. ■

MEMBERSHIP BENEFITS

Amazing Networking Opportunities

- ACS Meetings
- Social Media – ACS Network, LinkedIn, Twitter, Facebook
- Discounted SOCMA listing

Business Listing on SCHB website

Outstanding Programming at National, Regional, and Local Section Meetings

Eligible to Hold SCHB Office

Deeply-Discounted Booth at National ACS Meeting Expo

Receive Monthly e-Blast Newsletter

Receive and/or Be Featured in Semi-Annual Newsletter *Small Chem Biz*

Eligible for Scholarships at ACS Leadership Institute Courses

Join SCHB today—Membership is **FREE** for the first year!

NEW MEMBER TIOGA RESEARCH

John Newsam, CEO

Tioga Research supports the research and early development (“R&D”) of skin-applied formulations, including topical & transdermal drug products, and prestige cosmetic & beauty care programs.

As a contract research organization (“CRO”) Tioga Research is equipped to advance a skin-applied drug product program from concept assessment through preclinical stages.

Companies worldwide seek to engage Tioga Research’s strengths in product concept assessment; preformulation & analytical; formulation innovation; skin delivery screening; and preclinical development.

In addition to conventional techniques for skin permeation screening, Tioga Research has pioneered high throughput experimentation (“HTE”) platforms for screening the effect of formulations on properties of skin, such as permeability and permeation. These proprietary HTE platforms enable scientists at Tioga Research to efficiently screen much broader libraries of formulations to discover those that provide step-out delivery performance, or to support more robust patent claims. ■

SCHB AND PROGRAM IN A BOX**PROGRAM IN A BOX**

ACS is launching a new program for small chemical businesses and industry professionals. Modeled after Program-in-a-Box, this program combines a webinar with live Q&A and an onsite program hosted by local sections. The Program-in-a-Box is easy to setup, provided at no-cost, and delivered directly to your doorstep. ACS provides subject-

matter expert speakers and a physical box with materials for event promotion, content related resources and raffle prizes. Local sections need only to acquire a location and gather the audience.



SCHB is a proud Program Partner in the pilot event, “How to Create a Safety Culture While Growing Your Business” which will be broadcast on **Tuesday, April 14 at 7 PM ET**. Join Executive Committee Members Jennifer Maclachlan and

Mukund Chorghade who are organizing the event at **NESACS**. Register your group and gather your small business owners and team leaders for this learn-and-network event where speakers Lori Seiler of Dow Chemical and Brian Morin of Dreamweaver International, Inc. will discuss safety protocols and requirements and the small business challenge.

Learn more about ACS Program-in-a-Box and register to host upcoming events at www.acs.org/PIB. ■



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COMMITTEE FOR CANNIBIS CHEMISTRY DIVISION FORMATION

Ezra Pryor

A new member of SCHB, Ezra Pryor, will be heading an effort to form a new Technical Division within the ACS entitled Cannabis Chemistry. Ezra, a consultant and company owner at EZ Chem Consultancy, has seen the great need for regulation, collaboration, and information and has been circulating a petition for division formation since September of 2014. Since then, the petition has been signed by more than double the required number and has gained signatures from the US, Canada, Australia, the Philippines,

India, Israel, Afghanistan, Nigeria, Russia and 7 European countries. Additionally, a committee for division formation has been formed of industry and academic leaders including the father of cannabis chemistry Dr. Raphael Mechoulam.

The goals of the proposed division would include the development of clear and practical industry standards, a means of networking for individuals in or contemplating entering into the industry, and the formation of strong relationships between academia, industry and government. The division will do so with symposia, educational programming such as webinars, and formal and informal gath-

erings. The first of such gatherings will be **Tuesday, March 24th from 3-6PM at Stout Street Social** across from the Colorado convention center.

Members of the SCHB should be interested in this new division because it holds many opportunities to do business with a new and booming industry. The growth of the cannabis industry has fueled growth in other industries from hydroponic supply to chemical supply companies and even manufacturers and distributors of chromatography equipment. Come take part in the discussion or share your support at our exposition booth (#237) or our cocktail hour. ■

ACS LEADERSHIP INSTITUTE 2015 SCHB CHAIR-ELECT REPORT

Anis Rahman

Anis Rahman, SCHB Chair-elect and Patrick Kearney, SCHB Secretary attended the Leadership Institute (LI) in Dallas. Each January, ACS hosts the ACS Leadership Institute, which provides vital training to lead with great success. Participants gained an understanding of the essential elements of effective leadership and an opportunity to interact with other technical division officers and ACS governance. Leadership

development courses help participants develop core skills important in ACS leadership roles as well as in the workplace.

I (Anis) had very useful experience at the 2015 LI and also at the ones I had attended before. In particular, I had an opportunity to meet and discuss some critical SCHB matters with a few key ACS leaders at the 2015 LI.

I met with Dr. Diane Grob Schmidt, the 2015 ACS President. We had encouraging discussions about organizing a

session at the upcoming entrepreneurial summit 2015 in September (2015 ES). I am writing a proposal for putting together a session emphasizing different aspects of the emergence of nanotechnology based small businesses. Diane has enthusiastically endorsed the idea.

I also had an opportunity to discuss at length with Dr. Paul Jagodzinski, ACS Director for district IV on the same topic as Diane. Paul is also considering participating at the 2015 ES and supporting the SCHB session.

(Continued on page 8)

The Chemical Angel Network (CAN)

"Chemical Professionals Investing in Chemistry Based Deals"

Are you an angel investor? Entrepreneur in need of funding?

We provide a venue for accredited angel investors to source early-stage investment opportunities, collaboratively vet the company's business proposition and assist motivated entrepreneurs.

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\$25	business card	2 x 3.5 in.
\$75	¼ page	3.5 x 4.5 in.
\$130	½ page	7 x 4.5 in.
\$210	whole page	7 x 9 in.

Contact Newsletter Editor Rajeev Chorghade at
newsletter@acs-schb.org.

2015 SCHB DIVISION OFFICERS**Chair**

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(Continued from page 7)

I also participated at an elaborative course called "Division Session." I was fortunate to find Dr. Thomas Connelly, Jr., the incoming CEO of the ACS sitting next to me who was also participating in this course. We had very productive discussion about many policy matters including the SCHB and its booth issue. Dr. Connelly has expressed optimism for potential support.

I also had a chance to discuss with Mr. William H. Daly, Jr. at length. He is looking in to the SCHB booth issues per my request. Anis is sending a report for his review. ■

INTRODUCING RAJEEV CHORGHADE

Rajeev Chorghade

RAJEEV CHORGHADE



Rajeev Chorghade, a May 2014 graduate of Carnegie Mellon University, received his B.S. in chemistry, with a minor in biomedical engineering. While at CMU he also played four years of varsity football. From a very young age, Rajeev was exposed to research, and has completed internships under Professor Robert Grubbs at the California Institute of Technology, Professor Eric Jacobsen at Harvard University, Professor Steven Ley at the University of Cambridge, and Professor

Danith Ly at Carnegie Mellon University. Rajeev has had an active involvement with the American Chemical Society, including being invited to speak at the 2013 Northeast Regional Meeting, and co-authoring numerous ACS lectures and poster presentations. Recently, he has given oral presentations on his research at both the 2014 ACS National Meetings in Dallas, TX, and in San Francisco, CA. Having been appointed to serve on the ACS National Younger Chemists Committee (YCC), Rajeev hopes to use his experiences with research to help younger students pursue similar opportunities. Rajeev currently lives in Natick, Massachusetts, where he works at Tufts Medical Center while in pursuit of M.D./Ph.D. training and will be the next Newsletter Editor of *Small Chem Biz*. ■

VOLUNTEER WITH SCHB

None of SCHB's valuable benefits and activities would have been possible without volunteers like you. If you want to expand your professional network, enhance your leadership skills, or shape the future of SCHB, consider volunteering in a more active role to further SCHB's mission.

Potential roles include Webmaster Assistant, Sponsors Development, Membership Support, Graphic Designer, Assistant Newsletter Editor, or any other ideas you have. Contact any SCHB officer to learn more.

MUKUND CHORGHADRE RECEIVES 2014 HENRY A. HILL AWARD

Dr. Mukund S. Chorghade received the 2014 Henry A. Hill Award at the October 16, 2014 meeting of the Northeastern Section of the American Chemical Society (NESACS). The Hill Award is presented annually to a member of NESACS for meritorious service to the Section and to the profession of chemistry. Henry Hill was Chairman of NESACS in 1963 and an accomplished fluorocarbon chemist who founded Riverside Laboratory in 1961.

Dr. Mukund Chorghade has been an active and enthusiastic member of NESACS and a member of the Board of Directors since 1997. He also served in other roles including NESACS Chair, Public

Services Committee Chair, Professional Services Committee Chair, and Interim Editor of the Nucleus. He serves as a resource for the ACS Entrepreneurial Resource Center and is involved in the organization of several programs at the national and section level to catalyze and stimulate entrepreneurship.

Dr. Chorghade is President of Chorghade Enterprises and Chief Scientific Officer of THINQ Pharma and Empiriko. He provides synthetic chemistry and development expertise to solve problems in medicinal chemistry, process route selection and manufacturing. He has engineered collaborations with academic, government and industrial laboratories. His company, Empiriko recently successfully launched proprietary oxida-

tive catalysts (Biomimiks™) to conduct and predict metabolic profiling of drugs (in vitro and ex vivo).

Dr. Chorghade earned his Ph.D. in organic chemistry from Georgetown University. He completed post-doctoral appointments at the University of Virginia and Harvard University, and directed research groups at Dow Chemicals, Abbott Laboratories, CytoMed and Genzyme. A recipient of three "Scientist of the Year Awards," he is an elected Fellow of the ACS, AAAS and RSC and has been a featured speaker in national and international symposia. He is active in ACS, AAAS, RSC, and serves on numerous professional Scientific Advisory Boards and Committees. ■

PARTNER WITH SCHB

Contact Mukund Chorghade at chair@acs-schb.org to partner on entrepreneurial local section events and/or to collaborate with us on symposia at National or Regional Meetings.

SHARE YOUR ACHIEVEMENTS

Notify Newsletter Editor Rajeev Chorghade at newsletter@acs-schb.org for recognition of your accomplishments in an upcoming issue of *Small Chem Biz*.

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ration into efficacious drugs for a multitude of disease indications. We developed proprietary oxidative catalysts to conduct / predict metabolic profiling of drugs. Discovery scientists screen compounds

by reacting them with permutations of our catalysts, co-oxidants and solvents. This powerful combination serves as an "in vitro cocktail" that reduces elapsed time for drug screening from days to hours.



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ACS ENTREPRENEURIAL RESOURCES CENTER (ERC)

The ERC is an accelerator that has a three-pronged approach to help commercialize chemistry-based discoveries.

- ▶ **Empower** with knowledge with 6 months of free access to SciFinder.
- ▶ **Develop** with advising and technical expertise from a panel of experts.
- ▶ **Showcase** with potential connections to partners and funding through events.

Upcoming Events

The [Entrepreneurial Showcase West](#) will be held on **April 21, 2015** at JLABS in **San Diego, CA**, where 15-20 companies give presentations after receiving coaching from an expert panel before an audience of investors and corporate partners. This year, presentations are divided into the categories materials, software/data, diagnostics/instruments, and therapeutics, after which a networking reception will be held to make potential connections.

The next [ACS Entrepreneurial Summit](#) will be held on **September 17-18, 2015** at the National Education Association Auditorium in **Washington, DC**, following the success of the summit in October 2014. The conference features panel discussions and talks from industry members on a variety of topics from funding to partnering. It is especially relevant for startups and small businesses to learn more about entrepreneurship in the science field and the associated challenges in bringing a concept to market. ■

SCHB AND SOCIAL MEDIA

Stay up-to-date and network by interacting with SCHB via the [SCHB website](#), [LinkedIn](#), [Facebook](#), and [Twitter](#).



SCHB has over 500 likes on Facebook! If you have SCHB-related news you would like to share, contact PR Chair Jennifer Maclachlan at pr@acs-schb.org with your request.

SMALL CHEMICAL BUSINESSES AND CORPORATE ASSOCIATES

Neal Langerman

With more than 161,000 members, the American Chemical Society (ACS) is the world's largest scientific society and one of the world's leading sources of authoritative scientific information; more than half of its members are employed by chemical companies and allied industries. The ACS Board of Directors created the Committee on Corporation Associates ("CA") in 1952, as the formal link between the Society and the chemical enterprise. More than 30 companies actively support the profession and science of chemistry, and have a direct voice for corporate discussion with the ACS, through participation in CA.

Companies of all sizes can benefit from membership in CA. For the employers of members of SCHB, association with CA will provide many valuable business opportunities. Among these are:

- Opportunities to identify focus areas and speakers for briefings on Capitol Hill on topics of interest to legislators and industry
- The ability to participate in the writing and review process for ACS Policy Statements, which are used by legislators and congressional staffers to help enable informed discussion of chemistry-related topics
- Privileged access to market information, technical trends, manufacturing patterns, and market opportunities
- Specialty presentations featuring key leaders from industry, academe, and government on the timely issues of the day
- Exclusive contacts with the leaders in research and product innovation
- Provide guidance for the ACS Entrepreneurial Resources Center [<http://www.acs.org/content/acs/en/careers/career-services/resourcecenter.html>]
- Networking opportunities with peers from senior-level research and development laboratories
- Programs to enhance and support diversity awareness within the chemistry enterprise and its workforce
- Forums to better prepare undergraduate and graduate students to work in industry
- Access to a variety of leader-

ship skill building programs CA is structured to foster input by member companies of all sizes. Annual dues are only \$500 to join plus \$2 per chemist. The Committee meets twice annually (during ACS National Meetings), with members able to participate by teleconference, if desired. In addition, there are several subcommittees focused on high-priority topics identified through member company input; subcommittee discussions are generally held by teleconference, and are open

to all CA representatives in order to maximize participation by, and comment from, interested member companies.

My company, Advanced Chemical Safety, has been a member of CA for about 10 years. During that period, we have gained contacts in the chemical industry, learned valuable lessons related to process safety management, and participated in a variety of public policy outreach efforts related to the chemical enterprise. The small annual dues and time commitment

has had a rich return on the investment.

As a member of SCHB and CA, I invite you to consider joining CA and including CA activity on your agenda for each ACS National Meeting. More information is available at

<http://www.acs.org/content/acs/en/about/governance/committees/associates.html>

and for additional details on membership please contact ACS Staff Liaison Dave Harwell (d_harwell@acs.org). ■

SOCIETY OF CHEMICAL MANUFACTURERS AND AFFILIATES (SOCMA) OPPORTUNITY

SOCMA's Marketplace and Chemical Services Directory (CSD) is a searchable database which contains over 200 companies that use specialty and fine chemicals or custom chemical services. In addition to providing another venue for networking, it also includes shared resources for subscribers.

After realizing the potential for SCHB members to benefit from



the available services provided by SOCMA discussions were held with the Executive Committee. SCHB is now pleased to announce the following opportunity exclusively for SCHB members offered by SOCMA:

- **Discounted subscription profile** on its online Marketplace and Chemical Services

Directory located at www.socmachemicaldirectory.com for \$500 upfront for the first year and assistance in creating a CSD profile.

Renewal requests must be made by contacting SOCMA, but a 30-day notice will precede a price change before the completion of the one-year subscription cycle.

To learn more, visit the website at www.socmachemicaldirectory.com/ or contact Ben Jones at bjones@centurygloballlc.com. ■

GLOBALCHEM 2015

Clifton McCann

GlobalChem 2015 took place this year in Baltimore, March 2-4 and examined the Toxic Substances Control Act (TSCA), the Chemical Safety Improvement Act (CSIA), the Environmental Protection Agency's regulatory priorities for 2015, the new ChemView chemical information portal, Europe's Registration Evaluation and Assessment of Chemi-

cals (REACH) registration, and chemical control regulations in Asia-Pacific economies.

SCHB member Clifton McCann has organized and spoke on a panel entitled "Protection of Proprietary Technology throughout the Supply Chain and Supply Chain Risk Communication." The panel will discuss the new disclosure regulations and the impact they are likely to have on trade secret and patent rights. Clif

is a patent attorney and discussed trade secret requirements for chemical technology, the new risks to trade secrets and the recently increased potential for obtaining patent protection following prolonged trade secret protection, current novelty and non-obvious requirements for chemical patents, and new options to expedite patent prosecution.

The complete program appears at www.globalchem.org. ■

FUTURE MEETINGS

BOSTON BULLETIN

SCHB at ACS 250th

National Meeting

Boston, MA, August 16-20, 2015

Joe Sabol

The theme of the Boston meeting will be *Innovation from Discovery to Application*.

SCHB's program will include *The Legacy of Henry Hill: Commercial Enterprises in the Polymer Sector*, one of the five half-days devoted to the centennial celebration of chemical pioneer Henry Hill. Other divisions programming under *Henry Hill* are HIST, PMSE, POLY, and PROF.

Additionally, SCHB's technical program will include *True Stories from Entrepreneurs (BRIC Edition)*, organized by Mukund Chorghade, *Starting-Up and Spinning-Out: Commercializing Innovative Chemistry (Boston Edition)*, organized by Patrick Kearney and Jackie O'Neil, *Big Chemistry from Small Businesses*, organized by John Lauterbach, and

Entrepreneurs' Poster Session, organized by George Ruger.

SCHB is a co-sponsor of symposia under PRES, AGRO, IAC, and YCC and others should be forthcoming. SCHB will co-sponsor the Henry Hill Reception. SCHB is also a co-sponsor of the symposium, "International Entrepreneurship: How to Start a Business and Thrive in the Global Marketplace". The symposium is a collaboration between Dr. Diane Schmidt (2015 ACS President) and the ACS International Activities Committee which will take place at the ACS National Meeting in Boston, Tuesday, August 18, 2015.

Beyond Boston, the next ACS national meeting will be in San Diego, March 13-17, 2016, with the theme *Computers in Chemistry*, and seeking symposia in modeling, as a broad theme, with sub-themes on computer-aided drug design, big data, nano and materials with focus

FUTURE NATIONAL MEETINGS

250th ACS Meeting

Boston, MA

August 16-20, 2015

Innovation from Discovery to Application

251st ACS Meeting

San Diego, CA

March 13-17, 2016

Computers in Chemistry

252nd ACS Meeting

Philadelphia, PA

August 21-25, 2016

Chemistry of the People, by the People, and for the People

on energy and sustainability, multi-scale modeling. SCHB invites session organizers to submit proposals under one of the sub-themes to Joe Sabol at program@acs-schb.org.

If you are really enthusiastic, put your thinking caps on for the August 21-25, 2016 ACS national meeting, which will be in Philadelphia, PA. ■

PACIFICHEM PROGRAM

December 15-20, 2015

Honolulu, HI

Joe Sabol

Abstract submission is now open for Pacificchem 2015, the International Chemical Congress of the Pacific Basin Societies, having theme *Chemical Networking: Building Bridges Across the Pacific*.

Three symposia have been organized by SCHB members:

- *The Evolving Nature of Scholarly Communication: Connecting Scholars with*

Each Other and with Society, Jennifer Maclachlan; See the call for papers here: http://www.pacificchem.org/symposiadesc2015/c_symp_173.htm

- *Small Businesses Reaching Out for Market Share: Tool Kit and Success Stories*, Joe Sabol and Adam Blunn; See the call for papers here: http://www.pacificchem.org/symposiadesc2015/c_symp_185.htm

- *Advances in Terahertz Spectroscopy and Imaging*, Anis Rahman; See the call for papers

here: http://www.pacificchem.org/symposiadesc2015/c_symp_413.htm

The first two are under Connecting Chemistry with Society and the third is under Analytical.



Abstract submission closes on **April 3, 2015**. For full information, see www.pacificchem.org. ■