

The Accelerator

INDIANA SECTION OF THE AMERICAN CHEMICAL SOCIETY



See you at the 246th ACS
National Meeting in
Indianapolis
Sept. 8-12, 2013!

Chair's Corner

I don't think I am alone if I say that 2012 passed by very quickly. I always take that as a sign of a productive year. We had many great events throughout the year. I hope you all had a chance to join us in those events and I hope we did a good job to inspire you to get involved more. Talking about involvement and volunteering we have an important year ahead of us. The year of 2013 is specifically important for our Section. For the first time in our history Indianapolis will be hosting the National ACS Fall Meeting and we will need your help. Please encourage everyone you know to register, become an ACS member and volunteer to help with this event. As the Indiana Section we are organizing an extraordinary outreach event at the

Indianapolis Motor Speedway on Sunday, September 8, 2013 in collaboration with Celebrate Science Indiana. This will be a fun, educational and networking event. You can contribute in many ways by helping us reach out to your organization to be a sponsor, reach out to your scientific network to attend the event and the meeting and also by volunteering at the day of the outreach event. We need many hands... See Christina's article in this edition of the Accelerator for more details.

I hope you are as excited about 2013 as much as we are. I wish all of you a wonderful Holiday Season and New Year!

*Sibel Selcuk,
Indiana Section Chair*

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The Editor is responsible for all unsigned and staff articles.

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Election Results 2012

Indiana Section Election Results are In!

Congratulations on a successful election for the 2013 Indiana Section executive committee. Your new officers are:

Chair-elect: Erin Dotlich (Elanco). Erin served as Indiana Section secretary for the last two years and co-chaired the National Chemistry Week event for the past three years. She also served on various committees, attended workshops and presented at conventions since first joining ACS in 2001. She graduated from Miami University in 2008 with a MS in Analytical Chemistry. She is looking forward to serving the Indiana ACS section for years to come. She also looks forward to seeing everyone attend the 2013 ACS Fall National Meeting in Indianapolis.

Treasurer: Paul Ridenour (AIT Laboratories). Paul is continuing from 2012 as treasurer of the Indiana Section.

Secretary: Linda Osborn (Heritage Research Group). Linda started work at the Heritage Group in 1984, taking evening classes one by one until she got a chemistry degree from the University of Indianapolis in 1994. She currently works as a project chemist with focus on asphalt fume research. Linda says "although I've been an ACS member for 27 years, I've only been minimally involved with ACS events until recently. I've been enjoying the more extensive participation and would love the opportunity to help serve as Secretary of our local ACS and will do all I can to help with our National Meeting right here in Indianapolis in 2013".

Councilor: Dawn Brooks (Lilly Research Laboratories). Dawn is a long-standing member of the Indiana Section. She has previously served as Chair of the Section and of the Women's Chemistry Committee as well as serving for several years as a Councilor. Dawn participates on many national committees through her work as Councilor.

Alternate Councilor: Brian Mathes (Lilly Research Laboratories). Brian has been a member of the Indiana Section for many years. He has served many roles, including Chair. He currently coordinates programming within the Section and his signature event is Trivia Night at the Indianapolis Indians.

Member at Large: Josh Taylor (Dow Agrosciences). Josh has participated in many Section events, including helping develop the plans for the waiting room at the Peyton Manning St. Vincent Clinic on the north side.

Member at Large: Patricia Maldonado (Dow AgroSciences). Patricia has a B.S. in Chemistry from the Pontifical Catholic University of Puerto Rico (1999) and a M.S. in Biotechnology from the Johns Hopkins University (2011). She is motivated by a passion for science and community involvement, is currently Co-chair of the ACS Kids and Chemistry Program as well as being a committee member for the 2012 National Chemistry Week celebration. As a Member at Large of the Section, she hopes to contribute to the on-going success of our organization, continue motivating younger generations to pursue STEM careers, and to help students develop critical thinking skills to come up with innovative solutions to everyday problems.

Member at Large: Viola Kimbowa (Lilly Research Laboratories).

Thank you for voting in the election. Please note that there are always opportunities to take on roles in the Section, so if you have a local event you would like to promote, please contact any one of the executive committee to get started!

*LuAnne McNulty - Associate Professor of Chemistry
Butler University*

Update on the 2013 Fall National American Chemical Society (ACS) Meeting in Indianapolis

Preparations are well underway for the Fall 2013 National Meeting of the ACS in Indianapolis. The National Meeting Lead Team has made significant progress this fall in terms of planning and organizing. There are three main updates to share:

1. The Indiana Section aggressively marketed the Indianapolis ACS meeting during the Fall 2012 National Meeting in Philadelphia and will do so again at the Spring 2013 New Orleans Meeting. In partnership with the "VisitIndy" organization, we presented a booth in the Philadelphia ACS Exhibition Hall, staffed by our own Section members. There was a strong interest in the 2013 Fall Meeting, and to generate even more interest, we auctioned off some 1/10-size model Indy Racing Vehicles (race cars and MotoGP motorcycles). We are recruiting for volunteers to staff the Exhibition Hall booth at the upcoming New Orleans Meeting. If you are interested, please contact Dawn Brooks (brooks_dawn_a@lilly.com) or Tony Trullinger (TTrullinger@dow.com).
2. In a recent development this fall, we jumped on the opportunity for a joint collaboration with Celebrate Science Indiana for a public outreach Science, Technology, Engineering and Mathematics (STEM)-event at the Indianapolis Motor Speedway (IMS) on Sunday, September 8, 2013. The event will be unique as it provides two outstanding experiences at one world-renowned venue - in one day! For the scientific education communities of central Indiana and the ACS, we will produce a STEM outreach event at the IMS. The now well-established Celebrate Science Indiana (division of SEFI, Science Education Foundation of

Science Indiana (division of SEFI, Science Education Foundation of Indiana) event with more than two hundred fifty presenters of interactive K-12 STEM-related experiences will take center stage. This will be augmented by the ACS Committee on Community Affairs presentation of interactive chemistry experiences, ACS National and Local Exhibitors presenting their STEM-related programming linked to the "Chemistry in Motion" theme, and the IMS's STEM programs featuring local/national companies working in areas related to car racing (fuels, materials, racing-related components).

3. As a part of the September 8 public outreach event, an IMS track lap will also be offered to ACS members and their guests, in order to provide an "Indy Racing Experience" with one track lap in a pace car, followed by a picture with an Indy 500 race car (offered as a paid ACS special event ticket). ACS members will have the unique opportunity to meet race car drivers, racing teams, and get pictures with an Indy 500 race car. The track laps will be included in the ACS National Meeting registration process in the spring of 2013.

We would like to encourage all ACS members in the State of Indiana to find a way to attend or participate in the 2013 Fall National Meeting in Indianapolis. Please start making your plans now to either present or attend the meeting. Abstract submission will open in early spring 2013, and we would like to see as many Indiana-based technical presentations as possible. There will also be many professional development activities in which to participate. We look forward to your participation in ALL aspects of the Fall 2013 ACS National Meeting in Indianapolis!

*Christina Bodurow (Lilly Research Laboratories) - Executive Liaison for the 2013 Fall National ACS Meeting;
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St. Vincent Playroom Project Opening Day!

As we described in the September 2012 edition of the Accelerator, a team of volunteers from the Indiana ACS Section recently remodeled the waiting room in the Michigan Road Peyton Manning St Vincent Children's hospital. This transformed the waiting room from a drab and uninteresting room into a colorful chemistry-themed playroom. The project was funded by an ACS local Section Innovative Project Grant (IPG), obtained by our 2012 Section Chair, Sibel Selcuk. Sibel said she was determined to use the funding for a project with lasting impact. "I wanted to come up with something that would remind people that chemistry is part of their lives," she explained. "I particularly like to work with children, because if we can get them excited about chemistry, that's the best contribution that we can make to the profession." She sketched out a plan to create the chemistry-themed playroom to foster learning and awareness of the role of science in people's lives, particularly in health care.

During two weekends this summer, volunteers replaced the original dreary décor in the waiting room of the St. Vincent Medical Group pediatric office in Zionsville, Indiana. They painted the walls a multitude of vibrant colors and covered them with games as well as images of molecules and other information. Each wall tells a different story. The flu wall, for instance, tells the story of a flu virus and describes chemistry's role in flu shots, and the green wall offers information about recycling and green chemistry. Business Furniture donated furniture and toys, Leaf Software Solutions contributed two iPads programmed with chemistry-related games, and ISF Sign Specialists donated wall decals.

The newly-themed playroom received its official Opening Day on October 23, and featured a visit by Indianapolis Mayor, Gregory A. Ballard. Sam Wendel, chief mad scientist with Mad Science of



Bill Carroll during dynamic introductory speech!

North Central Indiana and a retired chemist, educated KIPP Indianapolis College Preparatory students and other guests with lively chemistry demonstrations. ACS Board Chair William F. Carroll Jr. and Brad McNabb, chief operations officer of St. Vincent Medical Group, officiated and also helped carry out a playful demonstration. The playroom has been a hit with visitors, Selcuk says. One little boy walked in and began screaming, "Wow, cool, chemistry!"

Please see your December 10 C&EN Issue for the full article.

*Sophie Rovner, ACS Journals
Photos: Paul Lewer*



Sam Wendell, chief Mad Scientist, entertains the crowd

St. Vincent Playroom Project Opening Day!



Above: Sam Wendell and KIPP Student Monaye Peavy experiment together!



Above: KIPP Students with Sam Wendell at playroom opening ceremony



Right: From left to right are Dr. William Carroll, ACS Chair of Board of Directors, and Past President, a student from KIPP Indianapolis College Preparatory school, and Brad McNabb, Chief Operations Officer of St. Vincent Medical Group, enjoying participation in the grand finale as dry ice smoke permeates the clinic reception area.

Women's Chemistry Committee Sponsors December LinkedIn



Workshop attendees learning the tricks around LinkedIn.

The Indiana Section Women's Chemistry Committee (WCC) held a supercharged, hands-on LinkedIn workshop on December 13 at Heritage Interactive. The facilitator was Deborah Smith, a sought-after social media professional from the New Jersey area. Twenty-seven participants from local companies received LinkedIn operational training and user strategy which ranged from basic knowledge to advanced skills. All participants left the workshop with new online networking skills and a better understanding of how to use LinkedIn to create the momentum they want. The workshop was very valuable for job seekers, those who want to stay connected, and retirees. The workshop was made possible via a Local Section/Corporation Associates grant from the ACS.

*Amy DeBaillie, Lilly Research Laboratories
Photos: Amy DeBaillie*

2013 Speaker Planning

The Indiana Section is currently lining up the speaker program for 2013. One of the things we would like to do is extend an invitation to scientists within our own Section to present to our members. In years past, we have heard from local scientists on topics such as "New Guinea and the chemistry of alkaloids", "polymer chemistry", "utilization of open-sourced chemistry to solve medicinal chemistry problems" and many more. The Indiana Section invites you to volunteer and speak at one of our monthly meetings. The Section handles all the logistics so all you need to do is show off your great scientific work. You even get a nice dinner out of this for your involvement. Please contact Brian Mathes at mathes@lilly.com or 317-277-7720 to volunteer to present.

Thanks in advance for your time and efforts to make our Section the best it can be.



*Brian Mathes, Lilly Research Laboratories
Alternate Councilor - Indiana Section*

Fall Poster Session was an overwhelming success



The Indiana Section of the ACS held the thirteenth annual poster session on October 23, 2012 at the Martin University Gathertorium. The session was an overwhelming success with over fifty posters presented by students from Project Seed as well as from Ball State, Butler, IUPUI, DePauw, Indiana Wesleyan and Martin Universities and from Earlham College. In addition, the poster session was attended by over one hundred members of the local scientific community. Dr. William Carol, past president of the ACS, gave the opening remarks and Dr. George Miller, president of Martin University, was the keynote speaker.



The local section would like to thank Martin University for hosting the poster session. Next year, the local section will not be sponsoring a poster session since the 2013 Fall ACS National meeting will be held in Indianapolis from September 8 through 12. Abstract submission will open in the Spring of 2013. Mark your calendars!

Amy DeBaillie, Lilly Research Laboratories
Photos: Amy DeBaillie



2012 National Chemistry Week (NCW) Report

The Indiana Section of the American Chemical Society sponsored the annual National Chemistry Week celebration at the Indianapolis Children's Museum on Saturday, November 3rd 2012 from 10 AM to 3 PM. This year's theme was "nanotechnology: The smallest BIG idea in science" and the celebration provided a full day of fun, exciting chemistry activities and events that showcased the contributions of nanoscience to the environment, energy, materials and our health!

This year's publicity efforts were very successful and included advertising for the event through WFYI public radio, local news event calendars and flyers distributed to museum visitors on the day of the event. We were fortunate to have about 250 ACS volunteers who came to help make the event a success. We ran out of gift bags for guests within an hour of the event opening, exhausting our supply of six hundred! There were plenty of activities for the guests! Guy Hansen and his Chemistry is a Blast

team from Eli Lilly & Company delighted and thrilled over six hundred guests with four shows demonstrating the fun and explosive nature of chemistry. Jaclyn Barrett and her Kids in Chemistry team provided five workshops for kids to learn how to make Jiggle Jelly, while “Mad Scientist” Sam Wendel excited children about chemistry with his hands-on activities. In addition to these events, volunteers from Dow AgroSciences, The American Institute for Chemical Engineers, AIT Laboratories, Ball State University, Butler University, DePauw University, Lancaster Laboratories, Martin University, Trine University and the University of Indianapolis provided interactive experiments and demonstrations that enhanced the audience’s understanding of how nanoscience applies to everyday life.

The activities on Saturday were kicked-off with an awards ceremony honoring the winners of the high school competition, t-shirt design contest, and the canned food drive. Seven high schools participated in a competition by either presenting papers or making videos with skits and performing experiments that incorporated the 2012 theme. Prizes included three hundred dollars for the schools, plus trophies, ACS certificates and plaques for the students. The video submissions were judged according to the following criteria: a) use of the theme “Behind the Scenes with Chemistry” b) innovation c) hands-on activities and d) teamwork. All of the schools did an excellent job, which made judging a real challenge! Ultimately, the following were selected as winners:

- Lisa Bowles won a first-place plaque for the High School paper competition.
- Upper Room Co-Op School won first place for the High School video competition.

There was a great response from area fifth- and sixth-grade elementary students who participated in a contest to design this year’s NCW t-shirt logo. Malik Stewart (sixth grade) and Rayna Bowles (fifth grade) from Kipp Indy school made the incredible drawings that won the t-shirt competition, which was judged according to use of the theme and creativity.



Finally, this year’s canned food drive was a great success with a large response from Indiana University and the local ACS members. On Thanksgiving Day, all the canned food was donated to a food bank in Bloomington, Indiana.

The NCW committee would like to express our gratitude to the ACS volunteers, local companies and educational institutions which came together to help make this year’s event a grand success! We also extend a very special thank you to the staff at the Children’s Museum of Indianapolis who helped us coordinate such an outstanding event!

*Viola Kimbowa, Lilly Research Laboratories
2012 NCW Co-Chair
Photo credit: Kevin Smith*
