



The

Indiana Section of the American Chemical Society

# Accelerator

## Chair's Corner

I hope you had a chance to take advantage of all the wonderful events organized by the Indiana Section since our last issue. Most of our committee members have been extremely busy getting ready for the upcoming 2013 National Meeting in Indianapolis. Special thanks go to Christina Bodurow for her excellent leadership and everyone in the National Meeting Leadership Team (NMLT) diligently working to make this event a huge success for Indiana! I know everyone is waiting for the NMLT to ask all of our members to step up to help. Right now you can help us with the fundraising efforts and making sure everyone knows about the upcoming meeting. One of the biggest tasks is finding sponsors. If you think your company would like to sponsor an event, please get involved and let us know.

I want to give a quick overview of some of the happenings these past months in case you missed them. I hope when you read about all these great events, you appreciate the volunteers who made it happen for all of us and they inspire you to support and volunteer for our Section.

We held the annual awards banquet in May, which the youngest and oldest members enjoyed together. Awards were presented to the top-scoring students who participated in the 2012 scholarship examination, as well as to the fifty- and sixty-year members. Ann Hunt who is a very valuable member of our Section was awarded for her major contributions to the ACS Indiana Section.

This year we had another exceptional young chemistry student, David Liang, who qualified for the opportunity to compete for one of the four places on the US International Chemistry Olympiad team. He was one of the twenty students invited to a two-week intensive study camp at the US Air Force Academy in Colorado. We are very proud of you, David!

We celebrated Science Day in April. This was our ninth annual Science Day and was one of our most popular events. We also had a workshop entitled "The Myth of Work Life Balance", which was very insightful to most of us who have to balance many tasks daily while working. As always the night at the Indians game was a HOME RUN.

And Project Seed... We had many bright high school chemistry enthusiasts as a part of this program. It only takes a second to look at the bright eyes of these young chemists to envision the future of the profession of chemistry. Also a few weeks ago we finished renovating the space where kids can learn more about chemistry and science at the St. Vincent Zionsville Clinic.

I am also very proud to say that because of the extraordinary leaders and volunteers we were the finalists in the following four categories for the ACS

*Chair's Corner continued next page*

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To find up to date information about Local Section activities,  
visit our website: <http://indiana.sites.acs.org>

## Chair's Corner continued

### ChemLuminary Awards:

- Outstanding Local Section Career Program Award (Small to Medium Large)
- Outstanding Local Section Career Program Award (Small to Medium Large)
- Outstanding Local Section Career Program Award (Small to Medium Large)
- Outstanding Regional meetings

Of course this is not all for this year. I realize we don't have much time left to finalize the year, but we can always fit in many more events. Stay tuned! Remember elections will be held very shortly. Please let us know if you are interested in serving on the committee. We would love to have new energy and ideas within our team.

In conclusion, we are trying to move towards electronic distribution of mail, letters, news, etc... This is a work in progress but please make sure you register as a member on our website <http://indiana.sites.acs.org> and let us know what you'd like to see on our site. We are hoping to have the new site up very soon.

*Sibel Selcuk*



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

## The National American Chemical Society (ACS) Meeting is coming to Indianapolis in the Fall of 2013!

For the first time ever, in 2013, Indianapolis will play host to the Fall National Meeting of the ACS. This semi-annual meeting of student and professional chemists draws 12,000 – 15,000 chemists from the United States and around the world. The theme of the meeting has already been chosen to be “Chemistry in Motion”, which has many positive meanings for Indiana chemistry and technology areas of excellence. Since this is the first time the meeting will be coming to Indianapolis, the Indiana ACS Section has made a goal to deliver an ACS National Meeting that exceeds ACS expectations for relevance, content, and hospitality. In order to achieve our Section's goal, a team of Indiana Section leaders (called the National Meeting Lead Team, NMLT), composed of our current Councilors, present and

past Chairs of the Section, and a number of dedicated volunteers, began meeting earlier this year to develop a plan to optimize Indiana Section planning and participation in the meeting. This team has five areas of focus:

- ACS hospitality
- President's/public outreach event
- Plenary events
- Technical outreach and events
- Marketing and communications

The NMLT has already made great progress in all five areas. The ACS hospitality team, led by Dawn Brooks and Tony Trullinger, has worked with the Indiana Convention and Visitors Association (ICVA) to stage an exhibition booth at the Fall 2012 ACS meeting in Philadelphia. We will be giving out flyers with information about the 2013 Indianapolis meeting, as well as raffling off several model Indy-style race cars, to build interest in our meeting. The President's public outreach event team has developed a proposal to hold an opening event at the Indianapolis Motor Speedway, and is now working with the national committees to understand what needs to be done to make this a reality. Under the leadership of LuAnne McNulty and Scott Sheehan, the speakers for the Presidential plenary session have already been set, including representation from not only international experts in Biotechnology, but presentations from local leaders Dr. Bret Huff (Eli Lilly and Company) and Dr. Dan Kittle (Dow AgroSciences). The technical outreach team led by David Mitchell, Jason Ribblett, and John Rizzo, is working with ACS National to ensure early communications to all area colleges, universities, and ACS divisions, in order to have research results ready for presentation at the 2013 Fall meeting. Finally, our ace marketing and communications team already has a temporary logo developed (at the head of this article), as well as a website on Facebook (be sure to “Friend” us!) to kick off what will be a year-long marketing and communications effort to ensure widespread knowledge and excitement about our meeting. If you would like to participate in any aspect of the planning or preparations of the upcoming ACS meeting, please contact those listed in the article directly, and if you have any general questions, feel free to contact me.

So, please develop your plan for your technical and professional participation in next year's 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!

**Chris Bodurow** – Eli Lilly and Company -  
Executive Liaison for the 2013 Fall National ACS Meeting

# Children's Chemistry Corner Comes to Life at St. Vincent Clinic

The twinkle in their eyes as children discovered the newly-renovated area within the Peyton Manning Children's Hospital St. Vincent Clinic was the ultimate reward for the volunteers on this project. At first a proposal, the dream was combined with energy and imagination reacting to yield a chemically-themed waiting area for kids of all ages. The biggest problem that clinic director Lori Mills predicts is "How will we ever get people to leave"? Wall-mounted games, periodic tables with fun facts, brain chemistry, Albert Einstein, the flu story and molecules everywhere are some of the fun things provided to stimulate young minds as they wait for treatment. Vibrantly-colored walls and whimsically-positioned decorations really draw you into the educationally-fun mood.

The idea originated from Sibel Selcuk, chair of the ACS Indiana Section, who applied for and was awarded an Innovative Projects Grant for \$3,000 from the National ACS organization. This money combined with generous donations of furniture and toys from Business Furniture turned the space into a Chemistry Wonderland. IFS Sign Specialists' Mark Keen also donated his time and talents. Leaf Software Solutions donated two brand-new iPads programmed with many stimulating, chemistry-related games and applications to entertain these young minds during their wait.

You can see in the pictures on pages four and five what it looks like from the lens of Paul Lewer. Not only was the outcome awesome, the process was enjoyable! Combining chemistry, art, engineering and the talents and hearts of the enthusiastic volunteers, pediatric and adolescent patients will hopefully enjoy the features intended to promote an educationally fun and healing environment. Here are a few comments from volunteers and St. Vincent visitors.

Our section chair said "I do not have the words to express my appreciation to all the volunteers, supporters and spouses who helped with the project. When our first curious visitor walked into the room, his excitement was enough to bring tears to our eyes. It is a beautiful space and it could not have been done without all the volunteers. Thank you Linda, Gary, Nick, Dan, Paul, Tara, Viola, Josh, Bill, Rachael, Charlie, David, Amina (Age 10), Liz, Mike, Business Furniture, ISF Sign Specialists, and Leaf Software Solutions for making this happen and everyone else who supported the project! Thank you Lori and Peyton Manning Children's Hospital at St. Vincent for providing us a space to make this room a reality."

Volunteer Nick Osborn said "The colorful area should provide a little bit of joy for children going through a difficult time".

Volunteer Viola Kimbowa said "It was at my very first Indiana Section ACS executive meeting that I heard about and volunteered for the St. Vincent clinic playroom remodel. I had no idea what to expect but was really looking forward to the opportunity to work alongside other ACS volunteers with the goal of creating a fun chemistry-related space for kids during their clinic visit. It was great to see how incredibly committed, creative and engaging all the volunteers were as we have worked together. It was a pleasure getting to know everyone and learning what individual experiences each brought to the table. Furthermore, it has been so fulfilling to see just how excited the St. Vincent staff are to have this amazing playroom which has so much to offer kids of all ages. My favorite features are the Brain Wall and toddler wall toys. I even got to write a children's story book

about the flu! I applaud the Indiana Section of the ACS for always making an effort to diversify the impact it has on the local community through science and I look forward to the next project!"

Volunteer Bill Holloway said "This is one of the best events I've volunteered for, with ACS. Where are we planning the next playroom for next year?"

Volunteer Paul Lewer said "This was a really enjoyable experience, with a fantastic group of people working together on a very

worthwhile project. The transformation of the room in such a short time was a tribute to the team spirit and skill of the volunteers. But the best part was seeing the first few kids arrive to start playing in the room – the old TV was forgotten and instead they were captivated by the new content. Thanks, Sibel, for the opportunity to spend quality time with quality people on a cool project!

Lori Mills, Manager of St. Vincent clinic said, "Thank you ACS! Parents and kids have raved about the "new look" in our lobby. The interactive items are a big hit with all ages and I see adults "reading the walls"...that's what we hoped would happen. We thank you and your team for doing such an amazing job of enlightening our "big and little" Michigan Road visitors about how fun science can be!"



*First weekend volunteer group (Left to Right): Gary Osborn, Linda Osborn, Sibel Selcuk, Nick Osborn, Tara Manley, Paul Lewer, Bill Holloway, Dan Robinson*



Once the playroom was open, a survey result from one of the clinic's patients stated "LOVE LOVE LOVE the new lobby for the kids. It really did need a redo, and the new science theme is great!!!!!!!"

A grand opening is planned for October 23 at 11:30 AM at this St. Vincent clinic located at 10801 North Michigan Road, Zionsville. We are hoping to make this event a fun day! Details will follow, so stay tuned!

*Linda Osborn – Heritage Research Group  
and Playroom volunteer*

## Before...

*The waiting room before the volunteer crew got started.*



Who can measure up to this guy?

The theme of Chemistry loud and clear on the walls!



## After...

*ACS Indiana Section made their mark.*



*Finished and vibrant!*





*The new space's first customer!*




*Ready for business!*

## "Myth of Work-Life Balance" Dinner


The women's chemistry committee (WCC) sponsored a dinner and workshop entitled "The Myth of Work Life Balance" on Wednesday, June 27th from 6 - 8pm at the Skyline Club in downtown Indianapolis to fifteen members and non-members. The featured speaker was Lynn Zettler. She addressed the issues of work-life balance with real-life experiences from her 20-year corporate experience at Dow and family responsibilities. She shared her ABC model of work-life balance. This model can be used to set boundaries that will help one make choices about life and work. The evening was a great opportunity to network and to gain valuable career advice from Lynn.

Want to learn more about Lynn and the career services that she offers? If so, visit her website: <http://www.lifeaction-coaching.com/>. Do you have suggestions for events for the WCC to sponsor? Email Amy DeBaillie at [debaillie\\_amy\\_c@lilly.com](mailto:debaillie_amy_c@lilly.com) with your ideas.





**ACS**  
Chemistry for Life™

American Chemical Society  
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<http://indiana.sites.acs.org/>



**National Chemistry Week 2012**

**Where: Children's Museum of Indianapolis**

**When: Saturday, November 3rd from 10am - 3pm**

**Celebrate 2012's theme "Nanotechnology: The smallest BIG idea in chemistry"**

*Through the creative manipulation of substances at the nanoscale, chemists have made key discoveries that have improved our environment and health, enhanced energy efficiency, and the quality of materials.*

- **Mad scientist Sam Wendel** and his fantastic booth full of Kids activities
- **Chemistry is a Blast!** will thrill you with the **EXPLOSIVE** nature of chemistry
- **Kids and Chemistry - Jiggle Jelly** Program
- Face Painting!!!!
- Companies, universities, and professional organizations will be on hand throughout the day with interactive experiments and demonstrations that will enhance your understanding of chemistry behind the scenes.

**To find out how you can volunteer or to get your company involved:**  
Viola Kimbowa: [kimbowa\\_viola\\_sanyu@lilly.com](mailto:kimbowa_viola_sanyu@lilly.com)

**PROJECT SEED** – Each year talented students from Indianapolis high schools have the opportunity to participate, via a nomination process, in PROJECT SEED. In this edition we have the experiences from two of this summer’s PROJECT SEED class, Ryan Lucas and Hannah Kassab, told in their own words. They paint a glowing picture of a highly-regarded program....read on....

As a participant in Project SEED this summer, I learned a lot. Whether it was about science or just people in general, my time in the program was filled with opportunities to learn. I met some great people, made a ton of new friends, and had more fun than I could have ever imagined, and that, to me, is what Project SEED is all about.

From a scientific standpoint, I had an amazing summer. Working in the School of Science at IUPUI in a research lab was a wonderful opportunity to see how science is really done. Over the summer, I learned that there is more to science than doing experiments and having results. I saw how much accuracy and time was needed for every procedure done. Then, there is so much analysis needed to know what your results show. I was unaware of all of this behind-the-scenes work that was involved in scientific research, so this summer really opened my eyes to what working in a research lab truly was.

Another great part of working in a lab was meeting all the people I was going to work with. My mentor, Dr. James Marrs, who runs a lab in the Department of Biology at the School of Science, was one the most interesting people I have ever met. His background in science and his passion for the work he did impressed me. However, my favorite part about him was that he loved a laugh just as much as he liked science, and that really helped me feel welcome in the lab. Also, being able to talk to grad students about a range of topics, from science to sports to TV shows and movies, made working in the lab that much more fun.

Scientific research is a major part of Project SEED; however, the program would be nothing without the kids. I had a blast simply eating lunch with the people in my building, and getting to know them. I also had a lot of fun going to picnics, where I was able to talk to other kids I didn’t see as much during the week. It was great to play games, such as Ultimate Frisbee, at the picnics. Another important thing was the staff that worked so hard to put the program together. I was really impressed by how smoothly the summer went, all thanks to Mr. Sanders and the rest of the people that worked hard during their summer to make sure that we had a wonderful experience.

Finally, we got to the poster session and the time had arrived to show off all the hard work we did. After

working to make my poster, titled “The effects of ethanol on cell adhesion in zebra fish embryos”, I was finally ready to show the world what I had done. However, I was also extremely nervous. As time went along, my nerves went away and I had a wonderful time. Being able to tell people what I did and answering all of their questions was a huge thrill. Once it was over, there was a feeling of relief, that I was finally done. That’s when I realized, Project SEED had given me one of the best, most gratifying summers of my life.

*Ryan Lucas - Arsenal Technical High School and  
Project SEED 2012 Intern*



*(Left to Right) Me, my mentor Dr. James Marrs, and  
my lab partner Liliana Patino (Photo credit: Elmer  
Sanders)*

Most high school students aspiring to be scientists or doctors would never dream of earning an opportunity to work in a research lab on a college campus before they even apply for college. But for sixty brilliant teenagers, these very dreams became reality in June of 2012, when we embarked on one of the most influential, life-altering experiences of our lives, enabled by Indianapolis Project SEED. My name is Hannah Kassab, I am a senior at Pike High School and I was fortunate enough to be recommended for this opportunity through my Environmental Science teacher as a sophomore in high school.

Project SEED is an organization sponsored by the ACS that was founded in 1968 to provide high school students with research experience at the college level. Interns spend eight weeks on the IUPUI campus exploring college and career opportunities while completing a fully-fledged research project. Interns also



have the privilege of working in a professional environment and participating in various social events throughout the summer to facilitate character- and friendship-building. The summer concludes with a poster session, wherein interns have the opportunity to present their research to college professors, research mentors, and program sponsors as recognition for their hard work. I am a second-year Project SEED research intern in Dr. Margaret Bauer's lab, and have spent the last two summers working with the gram-negative bacteria *Haemophilus ducreyi*. During my time in the Bauer lab, I was enthralled by the fact that I was participating in the scientific process at a professional level, and that my data was actually being used to further research in the lab. In addition, I learned more about myself than I ever thought I would, overcame a debilitating fear of public speaking, and formed relationships with a diverse group of people.

I joined the Bauer lab at the beginning of June in 2011 as a shy girl who was uncertain of my future and terrified of failure. Under the careful guidance of Dr. Bauer and amazing lab mentors post-doctoral fellow Dr. Sherri Rinker and graduate student Mike Trombley, I was transformed into the self-assured, bright-eyed young woman and scientist that I am today. My dreams for getting a degree in science and someday pursuing medical school or graduate school have become much more real as a result of joining this lab. Each of my lab mentors has been an integral part of my learning experience as a Project SEED intern; I feel so blessed to have had the opportunity to work with them!

One of the greatest things about being a part of Project SEED is the camaraderie that is shared amongst interns that are or have been a part of this program. But more than that I think that a special bond arises from the fact that, regardless of our mistakes or misgivings, our peers, staff, and mentors all believe in us and push us to be better than our best. We learned a lot about science as well as a lot of life lessons during our time in the lab, and I think that this experience secured the interest of many future scientists and doctors in pursuing science as a career. When each of us started out in this program, we were just seeds. Our families planted and prepared us to be nourished by our mentors, and a desire to make learning a lifelong mission drove us all to grow to our full potential and beyond.

*Hannah Kassab – Pike High School and  
Project SEED Intern 2011-2012.*



**The Bauer Lab!** (Left to Right:) Graduate student Mike Trombley, post-doctoral fellow Dr. Sherri Rinker, lab technician Shannon Roy, SEED Intern Hannah Kassab (me!), and my preceptor, Dr. Margaret Bauer (Photo credit: Cynthia Y. Booth).

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## Awards Banquet Another Success!

On Tuesday, May 8, 2012, the Indiana Section hosted its annual awards banquet at Butler University. Thanks are due to many for the excellence of this evening, but particular recognition was deserved by the following members for their efforts: Bob Pribush, Kathy Stickney, Brian Mathes, Paul Ridenour, Elmer Sanders and Jianping Huang. Thank you all for being a part of a great event. The event was very well planned by Bob and Kathy, elegantly executed by Brian and without Paul and Elmer's help the evening would not have gone so smoothly. Jianping has been a great inspiration in young chemist enthusiasts' lives as a mentor for the Chemistry Olympiads. We regret that Ann Hunt (ACS Indiana Section Service Award) and LuAnne McNulty (ACS Past Chair's Appreciation pin) could not have joined us to receive their recognition, but we thank you for your efforts on behalf of the Indiana Section.

Notably, there were five fifty-year members who attended the event as well as several bright high school students. It was very nice to see the chemists who set the stage for future scientists enjoying the evening alongside the younger generation who hope to be as successful.

Also a special thank you to Linda Osborn on behalf of the Section since she gracefully agreed to prepare a talk on the morning of the event since our planned speaker had pneumonia and could not attend the meeting. Linda spoke on the topic of "The Importance of Collaborations in Chemistry". And she did the first marketing of the 2013 Fall National Meeting! It was nice to hear people whispering about it.

Once again thank you all for your time and volunteer efforts!

*Sibel Selcuk*

## 2012 Indiana Section Calendar

October 11, 4 PM:

ACS Poster Session - Martin University

**October 23, 11:30 AM:** Official opening of the St. Vincent Clinic playroom; 10801 N. Michigan, Zionsville

**November 3:**

National Chemistry Week Celebration  
Children's Museum of Indianapolis  
(See flyer on page five)

### **SUMMARY OF GOVERNANCE ACTIONS/ REPORTS from the 244<sup>th</sup> ACS NATIONAL MEETING, PHILADELPHIA, PA (AUGUST 19-23, 2012)**

A summary of actions and discussions of the ACS Council and Board of Directors at the 2012 Fall National Meeting has been posted to the Indiana Chapter web site (<http://www.indiana.sites.acs.org/meetingminutes.htm>).

*Bob Pribush – Butler University*

## **October 1, 2013 Local Section Ballot – Coming Soon**

Heads-Up! In late September, Indiana Section members will be invited to vote for the following committee positions, so please look for your ballot by email soon! If you would like a paper ballot, you need to submit a request to LuAnne McNulty at the address below.

**Chair Elect**--Erin Dotlich (Elanco)

**Secretary**--Linda Osborn (Heritage Research Group)

**Treasurer**--Paul Ridenour (AIT Laboratories)

**Councilor**--Dawn Brooks (Eli Lilly and Company)

**Member at Large**--Edward Chikwana, Viola Kimbowa, Raymond F. Maddalone, Jun Hu, Ian S. Millett, John Whitteck, Patricia Maldonado, Josh Taylor, Jung Min

**Alternate Councilor**--Brian Mathes (Eli Lilly and Co.)

*LuAnne McNulty, Butler University,  
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