



The

Indiana Section of the American Chemical Society

Accelerator

Chair's Corner

I realize most of you were expecting to read an article from Guillermo Morales. Unfortunately, I have to inform you that Guillermo resigned from his Local ACS Section Chair role as he accepted the director position at BIO5 Institute at The University of Arizona. Congratulations to Guillermo, we wish him the best in his new position and volunteer efforts in Arizona.

As a consequence here I am, the Chair-Elect for 2012, assuming Guillermo's responsibilities and trying to fulfill the Chair role in an ACS Section that has such a strong tradition of excellence in leadership. I am deeply honored to be the Chair for our Section this year and I look forward to working with the executive officers, all members and volunteers of the Section. Many thanks go to LuAnne McNulty for her service as our Chair in 2011 and to the executive committee and all the other volunteers who made 2011 a very successful year. I am confident that this year's executive committee will follow the tradition and make 2012 an unforgettable year. The current list of our executive officers is:

Chair:	Sibel Selcuk
Chair-Elect:	<i>Vacant</i>
Secretary:	Erin M. Dotlich
Treasurer:	Paul J. Ridenour
Councilor:	Dawn A. Brooks (2010-2012)
Councilor:	David Mitchell (2012-2014)
Councilor:	Robert A. Pribush (2011-2013)
Alternate Councilor:	Amy C. DeBaillie (2012-2014)
Alternate Councilor:	Brian M. Mathes (2010-2012)
Alternate Councilor:	Robert E. Sammelson (2011-2013)
Accelerator Editor:	Paul Lewer
Web Master:	Len Mascaro
Publicity Chair:	Andrea Frederick

As you are reading this article Indianapolis has already proudly hosted the Super Bowl and now it is time to get ready for another big event for our state: **The 246th ACS National Meeting & Exposition**. Yes, you read it correctly: **Indianapolis will be hosting the ACS National Meeting September 8-12, 2013**. Mark

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The Indiana Local Section of the American Chemical Society publishes the Accelerator three times a year. The Section is not responsible for statements or opinions printed in this publication. The Editor is responsible for all unsigned and staff articles.

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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

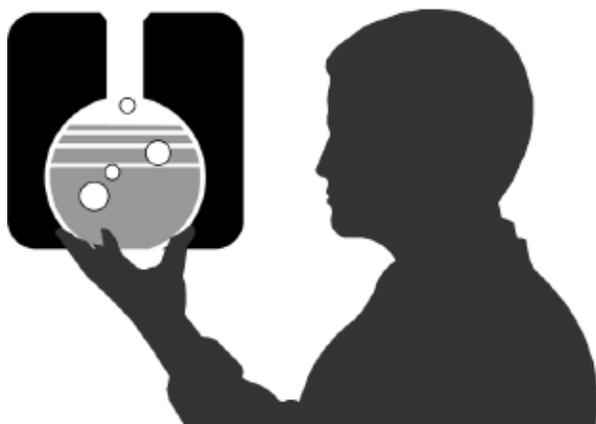
your calendars and start thinking about how you can get involved and how you can ensure your employers, employees and your coworkers benefit from this great opportunity.

In January 2012, ACS announced the strategic plan for 2012 and beyond. Please save some time and visit <http://strategy.acs.org/> to read more about our revised vision, core values, and goals. Pay special attention to the listed goals: as the Indiana Local Section we are dedicated to provide information and communicate chemistry's value, to advance member careers and to improve education. We will work towards these goals and will organize several activities and programs to support our community. To meet these goals we will need support from all of our members. We need your participation and support for the events. We need your input and suggestions to make our Section better. Please feel free to email me with any suggestions and comments.

I will write more about the changes/upgrades to our website (currently it is a work in progress but meanwhile keep checking the website), new activities and hopefully about the suggestions from you in future Accelerator installments.

I hope that you can all join me making 2012 a very memorable year. Thank you for your contribution to our profession and our Section.

Sibel Selcuk
sibel.selcuk@hrglab.com



Free Science Activity Kits Available for All

Get a FREE Science Activity Kit to celebrate the International Year of Chemistry (IYC) 2011! Although it's now 2012, *Chemistry: Investigating Your World* kits are available for upper elementary and middle school teachers who register for one at www.acs.org/iyckit.

In addition to a poster and activity guide, the kit contains materials for an entire classroom of students to explore the four clues of chemical change:

- Production of a gas
- Formation of a precipitate
- Color change
- Change in temperature

Check out the four lessons to find out how meeting scientists around the world, investigating clues of chemical change, and real-life applications are woven together to make learning chemistry relevant and fun. Then be sure to sign up for your free kit as soon as possible. Supplies are limited!

Mikal C. Ankrah - Member Communities
Volunteer Support

1155 16th St., NW ; Washington ; DC 20036
T [202-872-6326](tel:202-872-6326) | F [202-872-4353](tel:202-872-4353) | [800-227-5558](tel:800-227-5558)
www.acs.org

Dressing for Success

The Women's Chemistry Committee sponsored a free dinner and workshop on how to dress for success on Thursday, December 1 from 6 – 9PM at the Skyline Club in downtown Indianapolis. Fifty women, both ACS members and non-members, attended. The featured speaker was Ms. Sharon Parker, who is an independent fashion consultant with CAbi, Carol Anderson by invitation, and who has over twenty-five years of fashion design experience. At the workshop, the attendees learned how to: 1) Identify individual styles; 2) Build a wardrobe foundation and 3) Understand business casual do's and don'ts.

The evening was a great opportunity to network and learn valuable fashion advice and tips from Sharon, who has been dressing with a purpose for years.

Amy DeBaillie, Eli Lilly and Company

Summer Internships for High School Students: Apply Now!

Applications are now available for the 2012 Project SEED Summer Science Research Internship Program. If you know of someone with teenage children who would like to explore science as a career, please pass along this great opportunity. Alternatively, if you know high school science teachers, please encourage them to recommend worthy candidates. Qualified candidates are eligible to receive a \$2500 stipend for their participation in the eight-week long internship program. There is an informational meeting on the campus of IUPUI on March 13. All details are available on the program's website, www.indyprojectseed.org.

Project SEED was started by the American Chemical Society in 1968 and is the oldest and largest internship of this type. The Indianapolis program is spectacular with a wide variety of labs and projects available. For example, the 2011 program had mentorships available at Eli Lilly & Company and the Indianapolis Museum of Art, in addition to a whole range of investigators at the IUPUI School of Science and the IU School of Medicine.

One of the goals of SEED is to encourage students from socio-economically disadvantaged backgrounds to explore careers in science. Because of this, students whose family incomes are under 200% of the Federal Poverty Guidelines will be eligible to receive the \$2500 stipend. However all students from all backgrounds are encouraged to apply since every student will receive at least some funding for their participation. These details are also at www.indyprojectseed.org, in addition to videos and photos of past participants from many schools. Perhaps yours!

Seeking Mentors in the Sciences for Summer Internships

Do you work in a laboratory, and do you love mentoring others? If this is you, The Indianapolis Project SEED is looking for you! SEED is an eight-week summer research internship program for high school students which will run from June 4 to July 27 and we are seeking mentors who can volunteer their time – and laboratory space – to mentor top high school students wishing to explore a career in the sciences. Photos, videos and further information is available at www.indyprojectseed.org

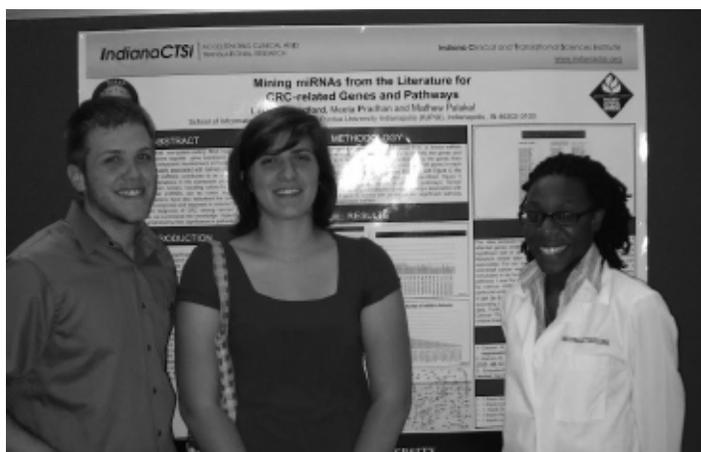
Project SEED will provide all students the financial stipend, screening and ongoing support. We are pri-

marily in need of science research investigators who are able to host a student for at least seven of the eight weeks of the summer program and provide them a meaningful project.

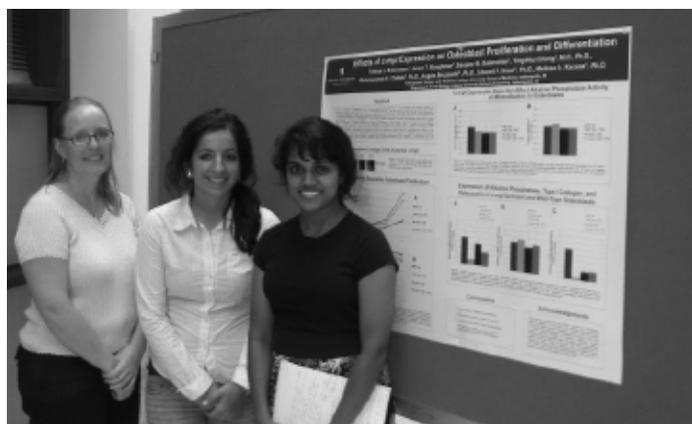
Perhaps you already know some of our mentors. Peruse our photo gallery that shows the names of the mentors next to each photograph along with the projects in which they have mentored the students. If you have mentored before or are interested in getting started, we look forward to hearing from you!

For inquiries and further information on both internships and mentoring positions, please contact the SEED Program Coordinator, Elmer Sanders at cell phone (317) 514-3212 or via email at elmer.sanders@yahoo.com

Hosting a poster in 2010:



(left to right): SEED interns Scott Maitland, Emily Lucas and Lakenvia Ledford



(left to right): research investigator Dr. Melissa Kacena, IU School of Medicine, college intern Jenna Baughman and SEED intern Trishya Srinivasan

Chemistry Olympiad and Awards Banquet

The annual Indiana Section American Chemical Society Scholarship/United States National Chemistry Olympiad Local Qualifying Exam will be held at Butler University on Saturday, March 3, 2012. Over one hundred sixty students from eighteen high schools have been nominated by their teachers to take the two-part exam. The first part is a one hundred ten-minute, sixty question multiple-choice exam, written by the ACS Olympiad Task Force. The second part is a thirty-minute written exam where students must demonstrate a more detailed knowledge of chemical concepts and calculations. This part of the exam, written by Dr. Robert A. Pribush of Butler University, is used to break ties on the multiple-choice part of the exam.

Over \$5000 in Scholarships will be awarded to the top five students in the first-year exam category and the top three students in the advanced (second year) exam category. Honorable Mention awards will be given to those finishing in the top ten percent of the students taking the exam. The top five school teams will also receive awards at the Awards Banquet to be held at Butler University on Tuesday, May 8.

Twelve students who receive top scores in the exam will be invited to take the National USNCO exam at Butler University on Saturday, April 14. Only two students per school are allowed to take the national exam, so at least six schools will be represented. Last year Indiana students from Carmel High School, Fishers High School, Hamilton Southeastern High School, North Central High School, Park Tudor School, and the University High School of Indiana took the national USNCO exam.

Nationwide approximately ten thousand students take the local section exam each year, and about ten percent of those students qualify to take the national exam. Last year Rebecca Chen of Park Tudor School became the second Indiana Section student in the past two years to finish in the top twenty students. This earned her a spot on the Alpha Delta Team that attended the US National Chemistry Olympiad Study Camp that took place May 31-June 15, 2011 at the United States Air Force Academy in Colorado. Of these twenty students, six had previously qualified to

attend the USNCO Study Camp in 2010 and one had also qualified to attend the USNCO Study Camp in both 2009 and 2010.

In addition to Rebecca Chen, Indiana Section students Peter Bai of Fishers High School, Chris Li of Carmel High School, and David Wintermeyer of North Central High School also finished in the top one hundred fifty students in 2011.

A goal of the Indiana ACS Section is to have one of our students attain one of the four positions on the United States National Chemistry Olympiad team. We believe that we have students in the Indiana Section with the talent to achieve that goal. The starting point is the exam given on Saturday, March 3. If you know of schools that have not yet nominated students, late nominations are being accepted up to the number of exams that were ordered. Past local section exams similar to the one that will be taken on March 3 may be found using the link below. National exams similar to the exam to be taken in April are also found at that site.

http://portal.acs.org/portal/acs/corg/content?_nfpb=true&_pageLabel=PP_SUPERARTICLE&node_id=1508&use_sec=false&sec_url_var=region1&_uuid=8f780742-a9f2-4073-b285-1e3b9400a2b0

Questions regarding the exam may be addressed to

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Indiana Section Calendar for 2012

February 28	<p>“Science and New Guinea”, Presented by Dr. Michael McLeish, IUPUI; IUPUI Campus, Engineering/Science Building Room #SL 109 (http://www.iupui.edu/map/); 6:30 PM; Dr. McLeish will present on all things New Guinea, from the people of New Guinea, to the betel nut and the alkaloids contained within that nut, to assays developed to understand those compounds.</p> <p>Refreshments will be served! No need to RSVP! Contact: Andrea Frederick - frederick_andrea_lindsay@lilly.com</p>
April 21	<p>Science Day at the Delaware Co. Fairgrounds Contact: Jason Ribblet – jwribblett@bsu.edu</p>
April TBA	<p>Younger Chemists’s Committe event - date TBA Contact: Faith Musko – fmusko@aitlabs.com</p>
May 8	<p>Awards Night at Butler University; 5:30 to 7PM Speaker TBD; Contact: Bob Pribush - rpribush@butler.edu</p>
June	TBA
July	TBA
July 26	<p>Project SEED Poster Session; IU School of Medicine; 5PM Contact: Elmer Sanders – elmer.sanders@yahoo.com</p>
Aug 6	<p>Baseball Night at Victory Field; Indians vs. Charlotte Knights; 7PM; RSVP to Brian Mathes - mathes@lilly.com</p>
September TBA	Career Night; details TBA
October 11	ACS Poster Session; details TBA
November 3	<p>National Chemistry Week Celebration; Children’s Museum of Indianapolis; Contacts: Erin Dotlich and Viola Kimbowa - edotlich@dow.com and kimbowa_viola_sanyu@lilly.com</p>
Dec 12	Volunteer and Executive Committee Celebration

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