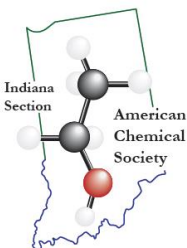
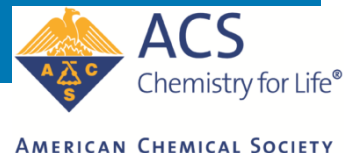


# The Accelerator

INDIANA SECTION OF THE AMERICAN CHEMICAL SOCIETY

OCTOBER 2017



## 2017 Chair's Corner *by Tom Xiao*

### Indiana Local Section:

Fall is the harvest season, and has shown to be for our Local Section! At this year's **ChemLuminary Awards**, our Indiana Section received its second **"Outstanding Performance by a Local Section in Large Category award"** in four years, beating out North Carolina and Pittsburgh! "This is the result of a long-standing commitment to excellence by all our leaders, members, and organizations. It is truly inspiring to work with such a high-powered team!!!" wrote Chris Bodurow, our very own former local section member and leader, and now ACS National Board of Director.



I am indeed very proud of you all; especially to Linda, our past chair, who led our local section last year and contributed significantly to this highly honorable local section award. Hats off to Linda and the whole section!!

Congratulations to our **"Music and Chemistry in Perfect Harmony"** event team for the IPG grant for the second year in a row, which truly validates our local sections' capabilities and capacities!

Congratulations also to our **Chemistry Olympiad** team for the incredible achievement! Our very own Brendan Yap from Carmel High School was one of the four gold medalists of our US team at this year's International Chemistry Olympiad. Way to go Brendan!

Our Baseball Night this year was a big success for a member engagement activity. Looking ahead, CSI is just around the corner. The NCW and Music and Chemistry events will be the highlights of the year. Please make sure to attend these events if they are not on your calendar yet.

October is also our annual election time! Please watch out for the e-ballot coming through to your email starting Oct. 1<sup>st</sup>. I encourage you all to cast your vote online and participate in this very important local section event. Please refer to our election section for details.

In addition, as usual, we are planning to host a networking/member appreciation event at the end of 2017 or the beginning of 2018 to thank you all for being a part of our section's history. Stay tuned and we are looking forward to seeing you all at this special event!

We are very fortunate to have such a vibrant, unified and powerful team including, but not limited to all past chairs, past and current councilors/alternate, EC team members, event chairs and many volunteers/partners! With the great momentum and all your continued dedication and strong support, I am very confident that we can achieve almost anything we can think of at our local section! Together we make miracles!!

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### member-get-a-member

Invite a friend or colleague to become an ACS member and receive a Periodic Table of the Elements blanket!



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The Executive Committee meets the second Tuesday of each month at 6:00 pm – location TBD. All Local Section members are encouraged to come and join us to learn about the programs and events our section sponsors. Meetings usually last for 2 hours. Dinner is provided before the meeting. Please let us know if you plan to attend so we have a headcount. You can contact our 2017 Chair, Tom Xiao, at [xiao\\_tom@lilly.com](mailto:xiao_tom@lilly.com). This is a great networking opportunity for those of you who are looking to get more involved!

### 2017 Executive Committee

<b>Chair</b>	Tom Xiao
<b>Chair-Elect</b>	Lisa Bucholtz
<b>Secretary</b>	Tamiko Porter
<b>Councilors</b>	Robert Pribush, Brian Mathes, Robert Sammelson, Beth Lorschbach
<b>Alternate Councilors</b>	Amy DeBaillie, Sibel Selcuk, Tony Trullinger, Erin Dotlich
<b>Past Chair</b>	Linda Osborn
<b>Treasurer</b>	Paul Morgan
<b>Member-at-Large</b>	Maria Alvin-Gaston, Mark Pobanz, Anne Wilson
<b>2023 NMLT Strategic Planning</b>	Frederique Deiss
<b>Art and Chemistry</b>	Gregory Dale Smith
<b>Awards</b>	Katherine Stickney
<b>Celebrate Science</b>	Julie Holland Austin
<b>Chemists Celebrate Earth Day</b>	Paul Ridenour
<b>Education and Olympiad</b>	Bob Pribush
<b>Election</b>	Mathew Gardlik
<b>Grants</b>	Ann Cutler
<b>K12 Outreach</b>	Erica Posthuma Adams
<b>Kids in Chemistry</b>	Brian Mathes
<b>Membership Affairs Committee</b>	Rebekah Dickenson, Jordan Knotts
<b>National Chemistry Week</b>	Belgin Canturk, Gregory Smith
<b>Newsletter Design</b>	Julie Holland Austin, Andrea Moberly
<b>Newsletter Editor</b>	Julie Holland Austin
<b>Project Seed</b>	Elmer Sanders
<b>Project Seed Co-Chair</b>	Josh Taylor
<b>Public Relations</b>	Kerrm Yau
<b>Science Day</b>	Ryan Jeske
<b>Social Media</b>	Erica Posthuma Adams
<b>Trustees</b>	David Mitchell, Dawn Brooks, Ann Hunt
<b>Webmaster</b>	Matt Gardlik
<b>Women Chemists</b>	Amy DeBaillie
<b>Younger Chemists Committee Chair</b>	Tejas Shah

## ACS Local Section Election Coming Soon

By Linda Osborn

Be on the lookout for an e-mail ballot on October 1st from the Indiana Section of the American Chemical Society. Our Election Chair is Matt Gardlik who will be distributing the electronic ballot along with biographical information for each candidate. The close of the election will be November 1st. Kudos to our Indiana LS councilor, Beth Lorsbach, for chairing the succession planning committee again this year assembling the talented list of candidates for this election.

We will have a proposed **amendment to our bylaws** coming soon. Currently our bylaws state:

*"The Section shall have an Executive committee, which shall consist of...[three members elected at large to be known as Executive Committee Members-at-Large.]"*

We are proposing an amendment that allows **four** Members-at-Large to allow greater leadership opportunities for our members. With our Local Section hosting the National ACS meeting in 2023, this leadership development will be useful!

Thanks, in advance, for voting for the Executive Committee Election and for the bylaw amendment!

## 2017 Indiana Local Section of the ACS Candidate Biographies

### Chair-Elect: Vote for 1/1 applicant

**Tamiko Porter:** Tamiko graduated from Michigan State University with a B.S in Biochemistry. She was awarded a Ph.D. in chemistry from Texas A&M University. She spent a year as a postdoctoral fellow in the School of Veterinary Medicine at Texas A&M University before beginning her teaching career at Prairie View A&M University (PVAMU). After 6 years at PVAMU, she moved to IUPUI where she teaches a range of undergraduate courses including Liberal Arts Chemistry (C100), Elementary Chemistry (C101), Biochemistry (C384) and Organic/Biochemistry for non-majors (C110). Tamiko is the faculty advisor for the Minority Science and Technology Club (MSTC) and the co-chair of the School of Science Diversity Council. Additionally, Tamiko is currently the secretary of the Indiana Local Section.

### Councilor: Vote for 1/1 applicant

**Brian Mathes:** Brian is a 25-year member of the ACS and has been an Indiana Local Section Executive Committee member since 1999. Additionally, he is a 22-year veteran of Eli Lilly and Co. working as a Formulations Scientist. He has served the Local Section in the following roles: Public Relations Chair, Program Chair, Section Chair, and Alternate Councilor. He is currently serving the section in his third year as Councilor as well as a role as the Kids and Chemistry Chair. In addition, he organizes our Annual Baseball Night with the Indianapolis Indians. Nationally, he is the subcommittee chair on the Membership Affairs Committee (MAC) dealing with Retention and Benefits while also serving on the Board of Trustees for the ACS Insurance Plan.

**Statement:** My passions in chemistry surround education and getting children interested in the sciences. My role in the Kids and Chemistry position has been very rewarding. I love doing the hands-on Jiggle Jelly and Reaction in a Bag modules and hearing the audible gases when something cool happens.

I look forward to continuing to serve the Indiana chemistry community both locally and nationally. Thanks for your continued support.

**Alternate Councilor: Vote for 1/1 applicant**

**Linda Osborn:** Armed with a B.S. from Marian University in Education and Health ('77) and a B.S. in Chemistry from University of Indianapolis ('94), Linda serves as Senior Project Chemist at Heritage Research Group. Having been with the Heritage Group since 1984, she has one patent and over 30 peer reviewed publications. Linda has been very active in the Indiana Section of the ACS for six years, currently serving as past chair. Linda is also on the Board of Directors for the Science Education Foundation of Indiana (SEFI).

Statement: With your support, it would be a great honor to serve as Alternate Councilor for a three-year term. Being active in our Local Section has allowed me numerous opportunities to network with incredibly talented and wonderful people. United as an organization and joining forces with other organizations, we can accomplish so much for our community as recently acknowledged by our "Outstanding Performance by a Local Section (Large Size)" ChemLuminary Award.

**Secretary: Vote for 1/1 applicant**

**Cathy Peacock:** Cathy received her B.S. in biology (with minors in chemistry and piano) from the Ball State University Honors College in 1996. She joined Dow AgroSciences in 1998 working as a microbiologist in the Natural Products Discovery group isolating, identifying, and preserving unusual Actinomycetes from soil samples. In 1999, Cathy began working in the Natural Products Development group focusing on strain improvement of a naturally-occurring insecticide. After working for three years performing statistical analyses to support field biologists, Cathy returned to the strain improvement area to focus on a new insecticide. Her efforts resulted in the successful scale-up of several new production strains in manufacturing. During this time, she also built and implemented a microbiological quality control program to support the Animal Health platform as well as other R&D efforts, and she received her Six Sigma Greenbelt Project Leader certification. In 2010, Cathy became the group leader of the Bioprocess R&D Cell Bank where she was responsible for the operations and quality management of the microbial cell bank supporting both R&D and manufacturing. While in this role, Cathy built and implemented a cGMP quality system for the cell bank. She assumed the role of GLP Quality Assurance Manager in 2012 overseeing the auditing and archiving functions in both the US and Brazil. Cathy transitioned to her current role of Global Leader of the Residues and Composition and Agronomics team in 2016 where she leads a team of scientists in the US, EU, and Brazil who design and conduct global and local GLP studies supporting DAS product registrations.

Statement: I am excited to become actively involved in the Indiana Section of the American Chemical Society. I am grateful to be nominated for the position of Secretary on the Executive Committee, and I look forward to sharing my passion of science and quality within our community.

**Treasurer: Vote for 1/1 applicant**

**Paul Morgan:** Dr. Paul Morgan obtained his B.S. degree in medical technology from California University of Pennsylvania in 1993 and worked as a blood bank technologist for eight years. Starting in 1998, he completed



post-baccalaureate work in chemistry at the University of Pittsburgh and was accepted into the chemistry graduate program there in 2001. He obtained his Ph.D. in organic chemistry from Pitt and has served as an instructor at Butler University since 2006. Paul has held leadership roles at the Science Education Foundation of Indiana (SEFI), a non-profit organization dedicated to STEM outreach. Those roles include serving a three year term on the SEFI board of directors, serving on the planning committee for and twice acting as volunteer coordinator for Celebrate Science Indiana, and twice serving as judging co-chair for the senior division of the Hoosier Science and Engineering Fair.

Statement: My passion is the involvement of young people in the chemical enterprise, both through my position as an instructor at Butler University and my involvement in STEM outreach events in Indianapolis. My roles at SEFI have allowed me to gain an understanding of the challenges faced by non-profit and community organizations, and how such organizations can make a positive impact on their fellow citizens. Should I be elected as treasurer, I will bring my experience and talents to work for the Indiana Section of the American Chemical Society for the betterment of our community and our shared vocation.

**Member(s) at Large: Vote for 4/6 applicants**

**Maria Alvim-Gaston:** Maria graduated from UFRJ, Federal University of Rio de Janeiro, RJ Brazil with a B.S. in Pharmacy in 1988, and continued with her education getting an Industrial Pharmacy degree in 1989 at the same University. She joined the Chemistry Department of UFRJ to obtain her M.S. in Organic Chemistry, concluding her degree in 1992. At that time was selected by CNPq, a Brazilian government institution, to come to the US to work as a visiting scholar for 2 years. In August of 1993, Maria joined the Research Institute of Pharmaceutical Science at University of Mississippi to carry on a research program on synthesis of antimalarial analogs of Artemisinin. At the end of this research program, Maria was invited by the Medicinal Chemistry department of Ole Miss to stay and join their Ph.D. program. Immediately upon receiving her Ph.D. in August of 2000, she joined Eli Lilly & Company where she held various positions in computational chemistry, discovery operations, and today holds a scientific role in Lilly's Open Innovation Drug Discovery program (OIDD), a novel program for expanding open access for scientists external to the pharmaceutical industry. Maria has published several scientific and computational chemistry papers in peer-reviewed journals. Maria was selected as one of the TOP 100 innovators of Eli Lilly & Company in 2013. She is also an Executive board member of the Organization for Latin American -OLA ERG within Lilly.

Statement: With your support, it would be a great honor to serve a fourth year as Member at Large in the local chapter in 2018. I am looking for the opportunity of continuing my involvement in the Indiana Section.

**Jeff Gilbert:** Dr. Jeffrey Gilbert received his B.A. in Chemistry from The College of Wooster in 1985, and his Ph.D. in Analytical Chemistry from Michigan State University in 1990. He joined the Dow Chemical Company in 1990 in the Research Assignments program (RAP), where he pursued several of 6-month research projects in Dow research and manufacturing sites across the country. Jeff then spent 4 years developing novel bioanalytical approaches in the Dow Health and Environmental Laboratory in Midland Michigan, before joining Dow AgroSciences Indianapolis in 1995. Since then, he has established a cutting-edge mass spectrometry (MS) laboratory which develops and applies novel MS-based techniques in the discovery, development, registration, and defense of new crop protection technologies. His lab performs a wide range of analyses, supporting projects ranging from natural product discovery, metabolite and impurity identification, to proteomics, protein characterization, and metabolomics. Throughout his career, Jeff has been extensively

involved with undergraduate chemistry education, regularly lecturing at regional universities on career opportunities in chemistry. In addition, Jeff has served as an adjunct faculty at Butler University for 20 years, regularly teaching special topics courses in mass spectrometry. Jeff is currently a Dow Fellow and the Technical Leader of the Dow AgroSciences Mass Spectrometry Center of Expertise.

**Mark Pobanz:** Mark received his BS in organic chemistry from The University of Iowa in 1993. He then joined the Discovery Chemistry function at Dow AgroSciences in Indianapolis where he made significant contributions to the discovery of several commercial herbicides and small molecule lead generation efforts. In 2002, Mark transitioned to medicinal chemistry focusing on synthesis of kinase inhibitors for oncology research at GlaxoSmithKline in North Carolina and then Eli Lilly & Co in Indianapolis. In 2008, he returned to Dow AgroSciences where he helped lead efforts in discovering novel active areas of chemistry. More recently, Mark spent two years in Intellectual Property Development where he led complex collaborations and teams consisting of commercial, R&D and legal functions to capture DAS Intellectual Property (IP), generate IP protection strategies and provide corporate IP education and awareness. He is a co-inventor on 14 granted patents, an ACS member and participates in local scientific outreach events. Mark is currently the Process Chemistry and Analytical Sciences Leader in the Actives to Products (A2P) Function of R&D at Dow AgroSciences where he leads teams that perform a variety of product development activities for R&D pipeline molecules.

Statement: I am looking forward to the opportunity to use my passion for people and science to serve as a Member at Large for the Indiana Section of the American Chemical Society.

**Gregory Dale Smith:** Dr. Gregory Dale Smith received a B.S. degree from Centre College of Kentucky in anthropology/sociology and chemistry before pursuing graduate chemistry studies at Duke University in time-domain vibrational spectroscopy and archaeological fieldwork in Israel. His postgraduate training included investigations of pigment degradation processes and palette studies of illuminated manuscripts at the British Library and the V & A Museum, development of synchrotron infrared microscopy facilities at the National Synchrotron Light Source at Brookhaven, and researching cleaning issues related to artists' acrylic emulsion paints at the National Gallery of Art. In 2004, Dr. Smith joined the faculty of the conservation training program at Buffalo State College as the Andrew W. Mellon Assistant Professor of Conservation Science. In 2010 Dr. Smith was hired as the senior conservation scientist at the Indianapolis Museum of Art where he has constructed a state-of-the-art research facility to study and preserve the museum's encyclopedic collection of nearly 56,000 works of art. Dr. Smith's research interests are focused at the interface between the Arts and the Sciences. He served previously as Member-at-Large for the local section of the ACS, as guest lecturer for the Society in 2016, and has represented the IMA at Celebrate Science Indiana since 2014. This year Greg is co-chair of the local ACS National Chemistry Week committee.

**Anne Wilson:** Dr. Anne M. Wilson is in her twenty-first year of teaching at Butler University. Anne earned her undergraduate degree at Oberlin College, PhD at the University of Utah, and performed postdoctoral research at Florida State University. Anne served as Indiana Section National Chemistry Week chair in for four years in the late 1990s. While at Butler, Anne has worked with over fifty undergraduates performing research in areas as diverse as small molecule synthesis, chemical education, green and sustainable chemistry, and volatile organic compounds from everyday objects. In addition to her time at Butler, Anne has performed sabbatical research at Eli Lilly & Co. and Dow AgroSciences, LLC. Anne recently completed involvement in

an NSF-sponsored project that created a nationwide network of women at primarily undergraduate institutions. She is looking forward to reengaging with the ACS Local Section.

**Ben Woodworth:** Ben graduated from Marshall University in 2012 with a BS in biochemistry. His undergraduate research focused on biofuels and how photosynthetic carbon assimilation contributes to lipid accumulation in algae. After graduating, he joined Purdue University's Department of Biochemistry where he worked on metabolomics profiling, flux analysis, and enzyme characterization in petunia and pepper model systems. In 2016, Ben joined the Heritage Research Group as an analytical research chemist where he specializes in GC/MS identification of compounds related to industrial waste streams, Heritage company products, and occupational exposure testing. Over the past year, Ben has been involved in ACS programs including Celebrate Science Indiana, judging for National Chemistry Week competitions, and assisting with on-site demonstrations at local schools.

Statement: I believe the best way to foster interest in research and creative problem solving is through STEM outreach and mentoring programs. With your support, I would like to serve as Member at Large and further this cause, increase my own involvement in the Indiana Section, and help connect chemists to local schools and non-profit organizations.

### Open Chair Positions:

**Webmaster Chair:** Our ACS Local Section is looking for a volunteer to design and maintain the section's web page. The webpage will include activities sponsored by the ACS, newsletter archives, chapter by-laws, meeting minutes, as well as a host of other information about the Local Section.

If you are interested in volunteering for this position or would like to volunteer to help other committees, please contact [ACSaccelerator@gmail.com](mailto:ACSaccelerator@gmail.com).

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## Indiana Wins Outstanding Performance by a Local Section

*By Linda Osborn and Beth Lorschach*

Each year the American Chemical Society National Office rewards all the outreach and volunteerism that local sections and divisions do with ChemLuminary awards. This event recognizes and showcases the contributions of local sections, technical divisions, regional meetings, and international chemical sciences. The ACS sets aside this night at the fall meeting every year to give out these awards and treat the local sections to a special night of recognition, memorable speeches, and dancing. These awards are to LS ACS members what an Oscar is to a cinematic star!





The 19<sup>th</sup> Annual ChemLuminary Awards were held on Tuesday August 22 at the JW Marriott in Washington DC. Representing our section, Councilors Robert Pribush, Brian Mathis, Beth Lorsbach, and District II Director, Christina Bodurow, attended the event which featured a 2-hour long poster session where the nominated sections shared their events and ideas to enhance future section programming. After the poster session, the Indiana delegation met at the JW Marriott Grand Ballroom from 8:00 p.m. until midnight. The Indiana Section was up for 10 of ChemLuminary awards including Most Outstanding Local Section. The nominations in themselves are a great recognition of our work in the community. The Indiana Section won 1 of these awards: the big one!

### ***Outstanding Performance by a Local Section (Large Size)***



On the ACS website, it says: “The Indiana Local Section was inspired to sponsor 27 events last year and collaborate with diverse groups and organizations that enabled them to accomplish much more than they could have done on their own.”

Congratulations to all those involved in the award-winning categories! Maria Alvim-Gaston, Tamiko Porter, William Scott, Julie Holland Austin, Greg Smith, Ann Cutler, and Kathy Stickney are to be especially commended as Chairs of the events that were nominated for the awards responsible for our achieving the Outstanding Performance by a Local Section (Large Size). We were recognized for excellence in our Local Section achievements.

Christina Bodurow, who attended the ceremony, wrote: “Our own Indiana Section received its SECOND “Outstanding Performance by a Local Section (Large Category - >1600)” award in four years, beating out North Carolina and Pittsburgh!” The first one was received in 2013. Chris continued: “...this is result of a long-standing commitment to excellence by all our leaders, members, and organizations. It is truly inspiring to work with such a high-powered team!!!”

This is really a testament to the wonderful volunteers we have in our Local Section and is directly correlated to the Excellence in Leadership that Linda Osborn has demonstrated for our section! The evening included a keynote award address from D. Richard Cobb who won the 2017 National Award for Volunteer Service to the American Chemical Society.

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## **Councilor Highlights from the 254th ACS National Meeting**

*by Beth Lorsbach*

The fall ACS meeting was held August 20-24 in Washington, DC. The theme of the meeting was “Chemistry’s Impact on the Global Economy”. The attendance at the meeting, as of Tuesday August 22, was 12,904 which is consistent with attendance rates at previous fall meetings. At

the councilor meeting Wednesday, there were several topics that were discussed and voted upon. The first vote at the councilor meeting was of significant importance to the Indiana Local Section. Our own councilor, Bob Pribush, won re-election for another three-year term (2018-2020) on the Committee on Committees (ConC) garnishing the most votes with a tally of 227 votes! Congratulations, Bob, and we are looking forward to your continued service on the national level as well as representation for the Indiana Local Section.

There were two other committee votes on which the council voted. The following individuals were elected for a one-year term (2018) on the Council Policy Committee (CPC): Karl S. Booksh, Mark D. Frishberg, Zaida C. Morales Martinez, and Ella L. Davis. Linette M. Watkins was voted in for a three-year term (2018-2020). Additionally, the Council elected the following individuals for three-year terms (2018-2020) to the on the Committee on Nominations and Elections (N&E): Michael Appell, Neil D. Jespersen, Mamie W. Moy, Eleanor D. Siebert, and Julianne M.D. Smist.

The Committee on Nominations and Elections also put out a call for the Councilors' to provide input on qualified individuals for President-Elect and/or Directors for future consideration. Please send any suggestions that you may have to [nomelect@acs.org](mailto:nomelect@acs.org).

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## ACS Local Section USNCO 2018 Exam

The date has been set for the 2018 U.S. National Chemistry Olympiad exam. Next year's exam will take place on Saturday, March 3 at Brebeuf Prep School. More information on the exam will be sent out via email and in the next Accelerator newsletter.

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## Carmel High School Student, Brendan Yap, Brings Home the Gold!

Please join us in congratulating Brendan Yap for winning a **Gold** medal at the 49<sup>th</sup> **International Chemistry Olympiad** in Nakhon Pathom, Thailand! Brendan was one of four high U.S. high school students to win a Gold Medal this year. This was the first time that the U.S. has earned 4 gold medals. Participating as the Alpha Kappa Team, the US Team competed over a 10-day period against 293 students from 75 countries.

For more information on the U.S. and International Olympiad exam or to read more about this years' winners, go to: <https://www.acs.org/content/acs/en/education/students/highschool/olympiad.html>



# Congratulations Brendan!

## Year End Event Combines Chemistry with Music

This year, the Local Section has something special in store for you and other community members. Co-sponsored by UIndy and the ISO, under the chairmanship of Dr. Gregory Dale Smith, please join us for an evening of fun, chemistry and music! Attendance limited to the first 150 that register.

RSVP at: <https://music-chemistry2017.eventbrite.com>



## Music and Chemistry in Perfect Harmony



### Christel DeHaan Fine Arts Center

University of Indianapolis  
1400 E Hanna Ave, Indianapolis, IN 46227

**Date: December 14, 2017**

Doors open at 5:30 pm  
Social/reception 6:00 –7:00 pm  
with vendors/exhibits  
Lectures begin at 7:00 pm

#### Guest Speakers

**Dr. Lynn Brostoff** (*Library of Congress*)  
Chemical analysis and conservation of crystal flutes

**Dr. Lori Desautels** (*Butler University*)  
Effect of music on brain chemistry and the way  
music training prepares the mind for education

Music from ISO  
Libations  
Heavy hors d'oeuvres  
Instrument displays  
Free parking





## DEPARTMENT OF CHEMISTRY & CHEMICAL BIOLOGY

INDIANA UNIVERSITY–PURDUE UNIVERSITY

School of Science  
Indianapolis

### FACULTY POSITION IN BIOANALYTICAL CHEMISTRY

The Department of Chemistry & Chemical Biology at IUPUI (<http://chem.iupui.edu/>) invites applications for a **tenure-track faculty position in bioanalytical chemistry** to begin August 1, 2018.

The position will be at the rank of Assistant or Associate Professor, with tenure status to be determined based on prior experiences and qualifications. While candidates with research interests in mass spectrometry of biomolecules are particularly encouraged to apply, we seek candidates who can support and expand the department's efforts to complement campus-wide interdisciplinary research programs in the life and health sciences. These include ongoing collaborative efforts with the IUPUI School of Science, the IU School of Medicine, and the Integrated Nanosystems Development Institute.

Applicants must hold a Ph.D. in chemistry or a related discipline along with relevant postdoctoral training. Candidates will be expected to establish an externally funded and rigorous research program, as well as effectively teach undergraduate and graduate courses in chemistry. Applicants at the Associate Professor level must have a record of research excellence, current and ongoing external funding, and evidence of successful student mentoring.

Applicants should submit a cover letter, *curriculum vitae*, statements of research plans and teaching philosophy, and three reference letters. Interested candidates should review the application requirements and submit their application to <https://indiana.peopleadmin.com/postings/4114>.

Evaluation of applications will begin on October 1, 2017 and will continue until the position is filled.

IUPUI is an EEO/AA employer and is interested in candidates who will contribute to diversity and equal opportunity in higher education through their research and teaching. We encourage applications from women and members of minority groups.





# October 7, 2017



A PROGRAM OF THE SCIENCE EDUCATION FOUNDATION OF INDIANA, INC.



## Imagine. Discover. Explore.

### Indiana's Premier Science Festival Brings Science to You!

Free, fun, family event for Indiana with an interactive focus on Science, Technology, Engineering and Math (STEM).



[www.celebratescienceindiana.org](http://www.celebratescienceindiana.org)

### Indiana State Fairgrounds

### Elements Financial Blue Ribbon Pavilion

9:30 am - 5:00 pm

\*\*\*\*\*

### FREE ADMISSION!

Parking \$5

\*\*\*\*\*

Over 50 exhibits  
with hands on fun  
for everyone!

Over 200 Activities  
Tons of Giveaways  
Special Sessions

**For K-12 Students:**

Hours of Fun

WFYT's Nature Cat

Interact with students and  
faculty from Indiana Colleges  
and Universities

**For Parents:**

Educational entertainment for  
the entire family

**For Teachers:**

RAFFLES - over  
\$4,000 in prizes

Free lesson plans for activities



Dow AgroSciences





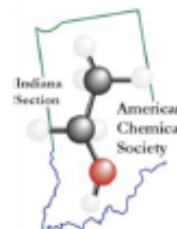
## Teachers – this one's for you...

The Indiana Section of the American Association of Chemistry Teachers invites you to join them at Celebrate Science Indiana 2017. In honor of your dedication to Indiana students, the AACT is hosting a K-12 Teacher Raffle as our way of saying thank you for all that you do to influence our children and develop their interest in the wonder of science.



- October 7, 2017 during Celebrate Science Indiana at the Indiana State Fairgrounds
- Every K-12 Teacher that visits our AACT booth will receive a door prize ticket
- Drawings will occur at 11:30 am, 2:00 pm & 4:30 pm
- We hope to collect over \$5000 worth of prizes this year
- Prizes that we have commitments for so far include

Prize	Donor	Value
8 Colts Tickets (2 per winner)	The Heritage Group	1,184
Cash Prizes (2 \$500 winners)	ACS, Indiana Section	1,000
Cash Prize	Vasey	500
Steelcase Amia chair	Indiana Business Furniture	500
One time deep house cleaning	Turn Key Cleaning	500
Gift Basket (Family 4-Pack)	Conner Prairie	150
VISA gift card	Lauth Group, Inc.	100
2 Gift Cards to Outback Steak House	Kerrm Yau	100
IMA Family Membership & Coasters	Indianapolis Museum of Art	95
Visa Gift Card	Elements	80
2 Symphony Orchestra Vouchers	Indianapolis Symphony Orchestra	80
1 hr Tennis Lesson	Coach: Kurt Ehrhardt	75
4 Baseball Tickets (Victory Field)	Indianapolis Indians	52
Complimentary Lunch or Dinner for 5	McAlister's Deli	50
\$25 Gift Certificate, Growler, & T-shirt	Taxman	50
Manicure and pedicure	Just Nails - Greenwood, IN	40
2 Gift Certificates to City Barbecue	City Barbeque	38
Bottle of coffee liquor	The Broken Beaker	30
15\$ Olive Garden Gift Card	The Olive Garden	15
The Pretty Brilliant Experiment Book (2)	Marguerite and Zoltan Benko	15
Total Amount in Prizes!		4,639



## 2017 Indians Baseball Night at Victory Field

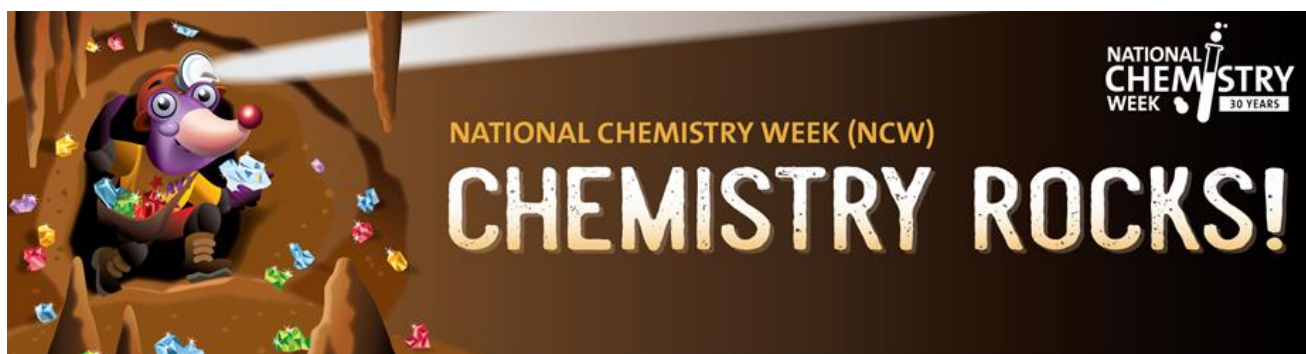
*By Brian Mathes*

The Indiana Section continued an almost 2-decade long infiltration of the Indianapolis Indians Baseball games with our attendance on July 24<sup>th</sup>! A spirited group of over 40 chemists came out to watch the Indians beat up on the visiting Rochester Red Wings 4-1. As in past years, we used this event as a platform to engage our student and younger chemists by offer \$5 tickets to anyone under 35-year old. This year was a great success: the weather was great, the baseball game was great, and the trivia was even greater! The group even got to take advantage of \$1 food night.

We are already looking forward to next year's event!



## Indiana Section of the American Chemical Society



### Request for Volunteers!

on

Saturday, November 4, 2017

At Chemistry Day at the Children's Museum of Indianapolis

NCW Theme – Chemistry Rocks!

Please contact Belgin at [BCanturk@dow.com](mailto:BCanturk@dow.com) for more information or to volunteer.

## BioCrossroads Presents Indiana Life Science Summit

*by Julie Austin*

On October 9<sup>th</sup> and 10<sup>th</sup>, BioCrossroads will present the 14<sup>th</sup> annual Indiana Life Sciences Summit at the JW Marriott in Downtown Indianapolis. The two day event will feature TED-like talks by industry leaders, scientific and poster sessions, and a networking reception sponsored by Cook Group and Eli Lilly.

Speakers include: June Wasser, Executive Director of the Reagan-Udall, Foundation for the FDA; Kuldeep Neote Ph.D, Senior Director of New Ventures for Johnson and Johnson Innovation; Dr. Joe Singer, Chief Medical Officer, Healthcore; and Ken Payie Ph.D., Chief Operating Officer Mapp Pharmaceuticals.



For more information on the summit, please visit: <https://www.biocrossroadssummit.com/>





## Project Seed to Celebrate 50 Years

*By Elmer Sands*

Project SEED soon celebrates 50 years of service, unleashing potential, harnessing talent, providing a hand up to students from disadvantaged backgrounds, at times a much-needed life-line.

Here are some options in which you can be involved, directly with the students, or more broadly with the program, and also update you on the 2017 cohort.

**Adopt-a-Young-Scientist.** Most of the students are starting senior year next year and will engage the college and scholarship application process. I am looking for family-minded responsible professionals that can focus on one specific student and help them navigate the process, jump through the hurdles, and support the student and the family through their senior year and early college life in hopes they receive the strongest support possible. Yes, this can be done by a single person but the idea is to support the student in the context of the whole family as the whole college thing is often new and intimidating to them.

**Specifics:** Join our program for monthly Saturday meetings as well as several special events from August to February. If it's within your budget to take student and parent/s out to eat every once in a while, for relationship building, I'm sure it will be appreciated too. Because of the program's affiliation to the IU/IUPUI system, participants would need to sign off a volunteer back ground check per IU policies for Programs Involving Children. Most involvement will be across phone and email helping the student complete everything needed by deadlines.

**Large Group Presentations:** Share your industry, your profession and your education and career preparation journey. Some of you have very fascinating turns in your educational and professional life. Hearing your story provides very valuable educational insight to these students at this stage in your life. Even if you have a very 'traditional' job in industry, it will likely be something new to the student. Share with them what your company produces, and some of the chemistry and science behind it.

**Become a Project Mentor:** If mentoring and hosting a student in your lab / facility for 8 weeks (June and July) is possible for you, I am casting the net wide this year in hopes of increasing our mentor base. I was

very encouraged to have 2 mentors at DePauw start new this year, and look forward to some of you becoming mentors soon too.

**Recruit Mentors:** Maybe you are affiliated with an industry or an academic center where recruiting mentors for the program is possible for you. Please contact me and I will navigate specifics for you.

**Support the Program Financially:** Many science professionals make use of the Indiana Tax Credit to get back \$100 when you donate \$200. This doubles your contribution, and the ACS Project SEED office will again double that amount through their matching funds program. If your company also matches your contribution, your gift will basically increase by a factor of eight! To donate, click the donate tab on the website [www.IndyProjectSEED.org](http://www.IndyProjectSEED.org)



## 2018 Regional Meeting Dates:

Regional Meeting	Meeting Dates	Meeting Location
<a href="#">Northeast (NERM)</a>	June 1 - 3	Lake Placid, NY
<a href="#">Central (CERM)</a>	June 13 - 16	Toledo, OH
Northwest (NORM)	June 24 - 27	Richland, WA
Midwest (MWRM)	October 21 - 23	Ames, IA
<a href="#">Southeastern (SERMACS)</a>	October 31 - November 3	Augusta, GA
Southwest (SWRM)	November 7 - 10	Little Rock, AR



## Everyday Cybersecurity: 17 Doable To-Do's (Science on Tap)

By Julie Austin

The IUPUI series Science on Tap returns with a new networking/lecture event on Thursday, October 12<sup>th</sup>. Speaker Scott Orr will discuss 17 things we can all do to minimize your chances of being a victim of hacking on both home and portable devices.

The event takes place at Blind Owl Brewery (5014 E. 62<sup>nd</sup> Street). Networking begins at 5:30 with the lecture starting at 6:30 followed by a Q&A session at 7:15. This event is 21 and older.



<http://science.iupui.edu/events/everyday-cybersecurity-17-doable-dos-science-tap>

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## Other STEM Fun in Indy

By Julie Austin

In addition to Celebrate Science Indiana (Saturday, October 7<sup>th</sup>), National Chemistry Week – Chemistry Day (Saturday November 4<sup>th</sup>) and our year end networking event, Music and Chemistry in Perfect Harmony (December 14<sup>th</sup>), there are several other notable science related goings-on in the Indianapolis area.

The Indiana Museum of Art will exhibit the **Chemistry of Color** until December 31, 2017. <http://www.imamuseum.org/exhibition/chemistry-color>

The Children's Museum of Indianapolis' **ScienceWorks** presented by Dow AgroSciences is an interactive exhibit that is fun for kids and adults alike! <https://www.childrensmuseum.org/exhibits/scienceworks>.

There are lots of fun activities at the Indiana State Museum. **Science at Play**, presented by Eli Lilly is an exhibit that runs from now until January 15, 2018. <https://www.indianamuseum.org/science-at-play>.

On Friday, October 13, ISM is hosting **Family Night Out: Spooky Science**. Don your Halloween costume for a costume contest, meet a mad scientist and shoot zombies! <https://www.indianamuseum.org/default.aspx?p=142288&evtid=588634:10/13/2017>

The Indiana State Museum also has a special highly interactive exhibit called **The Power of Poison** which runs from October 20-February 11<sup>th</sup>. They kick off this exhibit with an event featuring lectures by “Dr. Mark Siddall, curator of this traveling exhibit, from the American Museum of Natural History and Dr. Brent Furbee, medical director emeritus at the Indiana Poison Center, who will present famous Indiana murderers who used poison

to commit their crime.” Please RSVP by October 13<sup>th</sup> at <https://www.eventbrite.com/e/power-of-poison-opening-event-tickets-37502726665>. This will be a great way to begin the Halloween celebrations!

Don't miss out on the history of Colonel Eli Lilly with the Indiana Historical Society's exhibit, **You are There: Eli Lilly at the Beginning**. At this exhibit, you can watch re-enactments of Lilly's original laboratory. This exhibit runs until January 20, 2018. <http://www.indianahistory.org/feature-details/you-are-there-eli-lilly-at-the-beginning#.Wc0STWhSyU1>

Central Indiana Science Outreach (CINSO) has partnered with Café Inquiry for a lecture titled **Pick Your Poison** on October 17, 7-9 p.m. at Black Acre Brewery (21+). Three guest speakers are slated to discuss toxicology basics, the heroin epidemic, and using venom in medicine. Please RSVP at: <https://www.eventbrite.com/e/pick-your-poison-tickets-36314319106>

CINSO also has a monthly book club **Books, Booze, and Brains: A Book Club for the Scientifically Curious** which meets monthly at Broken Beaker Distillery (21+). The next meeting is October 24<sup>th</sup>. For more information, on this club and for more CINSO events, please follow their Facebook page at: <https://www.facebook.com/pg/CentralIndianaScienceOutreach/events/>

And don't forget about the **Hoosier Women in STEM Wikipedia Edit-a-Thon** sponsored by Indiana Humanities from 9-2 on October 21<sup>st</sup>. This promises to be a day of fun focused on “research, writing, and fellowship” as participants update the history of women in STEM. To register, go to: <https://www.eventbrite.com/e/hoosier-women-in-stem-wikipedia-edit-a-thon-tickets-32965968098?aff=es2>

If you hear of any additional science related lectures, activities, etc. that you believe your fellow colleagues will enjoy, please email the information to [ACSaccelerator@gmail.com](mailto:ACSaccelerator@gmail.com). The Accelerator is published every 4 months (March, June, September, and December).

2017 Calendar of Events (ACS sponsored in bold)		
<b>Celebrate Science Indiana</b>	<b>Saturday, October 7</b>	<b>Indiana State Fairgrounds</b>
<b>Teacher Appreciation</b>	<b>Saturday, October 7</b>	<b>Indiana State Fairgrounds</b>
<b>Election</b>	<b>October 1 – November 1</b>	<b>Electronic ballot</b>
<b>NCW – Chemistry Day</b>	<b>Saturday, November 4</b>	<b>Indianapolis Children's Museum</b>
<b>Music and Chemistry in Perfect Harmony</b>	<b>Thursday, December 14</b>	<b>University of Indianapolis</b>
Everyday Cybersecurity: 17 Doable To-Do's	Thursday, October 12	Blind Owl Brewery
Family Night Out: Spooky Science	Friday, October 13	Indiana State Museum
Pick Your Poison	Tuesday, October 17	Black Acre Brewery
The Power of Poison – kickoff Event	Friday, October 20	Indiana State Museum
The Power of Poison - Exhibit	October 20-February 11, 2018	

Hoosier Women in STEM Wikipedia Edit a Thon	Saturday, October 21	Indiana State Library
Books, Booze, and Brains	Tuesday, October 24	Broken Beaker Distillery
The Chemistry of Color	Until December 31, 2017	Indianapolis Museum of Art
Science at Play	Until January 15, 2018	Indiana State Museum
You Are There: Eli Lilly at the Beginning	Until January 20, 2018	Indiana Historical Society

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