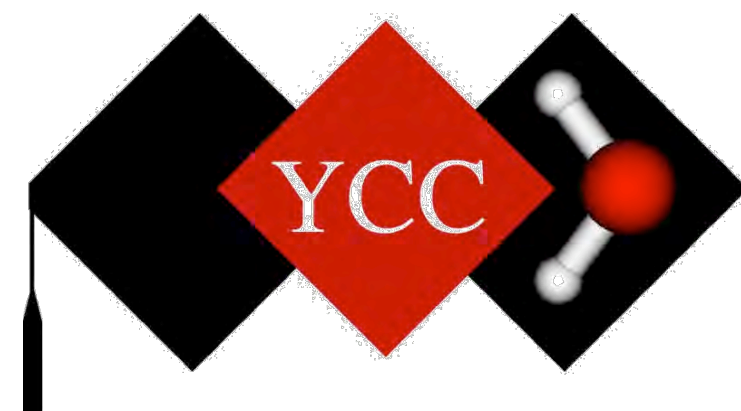


# TURNING TABLES



*The Official Newsletter of the American Chemical Society's Younger Chemists Committee*



**August 2013**  
**Vol. 1 Issue 1**

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## YCC Participates in International Conference for Young Chemists (ICYC)

Compiled by Luke Roberson, Stephen Canham, Natalie LaFranzo, and Audley Burke; Edited by Marisa Sanders



Pictured, above: ACS YCC delegates visit Petra, a famous landmark, in Jordan.

The inaugural International Conference for Young Chemists (ICYC) was held in Amman, Jordan from April 8-10 2012. The international and multicultural conference encouraged science education across the world, hosting 139 participants from 28 countries with 63 oral presentations and dozens of posters.

The technical portion of the conference provided an opportunity for the audience to learn what fields of chemistry are important in different regions of the world, how chemical research is performed in these regions, and how industry and academia are addressing world needs.

Networking events formed the non-technical portion of the conference. These activities included tours of the University of Jordan chemistry labs, coffee breaks, and a site-seeing excursion to Jerash.



Pictured, left: ACS YCC delegate Christine Dunne from Northeastern University presents research results during a poster session. In addition to presenting research, ACS members had the opportunity to tour labs and take a glimpse of the research being conducted at the University of Jordan.

The variability of laboratory research working conditions among participants at their home institutions demonstrated the need for societies like the American Chemical Society (ACS) to act as safety and environmental advocates to help less-developed countries implement high standards for their research environments. Indeed, the speaker from the Jordanian Department of Transportation addressed the need for well-trained scientists and engineers to build innovation and technological development to drive economic growth.

The presentation also came with a recommendation to continue the ICYC through an annual or bi-annual conference, rotating between countries. The organizers looked specifically to the ACS and YCC to assist in this effort.

The three-day conference was highly valuable to the ACS, as well as the participating YCC members and students. The ACS is viewed as the leading chemical society around the world, and participation at the event demonstrated this leadership role and heightened the reputability and prestige of the conference. Networking between international chemical societies and the ACS will continue to strengthen and foster collaborations from all different cultures, thereby enhancing the diversity and sense of community of the American Chemical Society.



Pictured, above: ACS YCC delegates with Nancy Jackson, Steve Myers of the Office of International Activities, and conference chair Amal Al-Aboudi from the University of Jordan.

# Get Ready for #ACSIndy: Chemistry in Motion!

246<sup>th</sup> ACS National Meeting & Exposition, Sept. 8-12, 2013, Indianapolis, IN

## Congratulations all Fall 2013 CIBA Award Winners!

The CIBA/YCC Young Scientist Travel Award provides funding for young and early-career chemists to travel to and participate in an ACS national or regional meeting. The award is intended for young scientists (under 35) who have post-doctoral appointments OR are within the first seven (7) years of their professional career. Each award is for \$500. Awards are made on the basis of scientific merit and financial need. Be sure to hear the winners' presentations during the meeting:

Benjamin Stokes	"Pd-catalyzed relay Suzuki cross-coupling reactions of unreacted primary-and secondary-alkyl electrophiles"—ORGN 300	Tues, Sept. 10 <sup>th</sup> , 3 PM, Indiana Convention Center, Room 204
Leslie Aldrich	"Development of small-molecule autophagy modulators for the study of Crohn's disease"—MEDI 255	Mon, Sept. 9 <sup>th</sup> 8 PM, Indiana Convention Center, Halls F & G; Wed, Sept 11 <sup>th</sup> 7 PM, Indiana Convention Center, Sagamore 5-7
Joseph Baker	"Actin DB-loop and filament dynamics in the presence of specific magnesium cations"—PHYS 281	Wed. Sept 11 <sup>th</sup> 8:30 AM, Indiana Convention Center, Room 242
Benjamin Yancey	"Solid state trimerization of sodium dicyanamide confined to nanopores"—PHYS 389	Wed. Sept 11 <sup>th</sup> , 6 PM Indiana Convention Center, Halls F&G

## Young Chemists Crossing Borders (YCCB) Exchange @ #ACSIndy!

The Young Chemists Crossing Borders (YCCB) exchange program is run by the YCC, in conjunction with the European Young Chemist Network (EYCN), a group of members under the age of 35 within the European Association of Chemical and Molecular Sciences (EuCheMS). The YCCB program is designed to give young chemists in Europe the opportunity to visit an international conference on the other side of the Atlantic. The following are the six European students who were selected to present their work at the ACS national meetings this fall in Indianapolis:

Fredereique Backaert	"Synthesis of privileged scaffolds: Mimicking the 1,5-benzodiazepin-2,4-diones via a modular approach on solid-phase"—ORGN 206	Mon. Sept 9 <sup>th</sup> , Indiana Convention Center, Room 208/209
Cecilia Fenech	"Considerations for nitrate source determination in environmental forensics studies" ENVR 298 "Analytical techniques for the differentiation of sewage and manure inputs to surface waters"—ANYL 181	Mon, Sept 9 <sup>th</sup> 8 PM, Indiana Convention Center, Halls F&G; Wed. Sept 11 <sup>th</sup> 6 PM Indiana Convention Center, Halls F&G Tues, Sept 10 <sup>th</sup> 8 AM, Indiana Convention Center, Room 111/112
Oana Fronoiu	"Organic-inorganic hybrid materials based on various polyhedral oligomeric silsesquioxane (POSS)"—PMSE 185	Tues, Sept. 10 <sup>th</sup> 5:30 PM, Indiana Convention Center, Hall I
Vlad Pascenu	"Heterogeneous catalysis with immobilized palladium nanoparticles on metal-organic frameworks"—INOR 151	Mon, Sept. 9 <sup>th</sup> 8 PM, Indiana Convention Center Halls F&G; Sun. Sept 8 <sup>th</sup> 6 PM, Indiana Convention Center, Halls F&G
Aurora Walshe	"Uranyl minerals and their relation to spent nuclear fuel"—NUCL 44	Mon. Sept 9 <sup>th</sup> , 2:45 PM, Hyatt Regency Indianapolis, Concept.
Renata Rybakiewicz	"Spectroscopic, electrochemical, electronic, and self-assembly properties of naphthalene bisimides asymmetrically and symmetrically N-substituted triarylamine"—ORGN 166 "Synthesis and study of p-alkoxyphenylene derivatives of naphthalene bisimides for n-channel field effect transistors"—ORGN 539	Mon. Sept 9 <sup>th</sup> 10:50 AM, Indiana Convention Center, Room 208/209 Wed, Sept 11 <sup>th</sup> 8 PM, Indiana Convention Center, Sagamore 5-7



Want to stay connected with the Younger Chemists Committee?

Like us on Facebook: <https://www.facebook.com/YCC.ACS>

Follow us on Twitter: [https://twitter.com/ycc\\_acs](https://twitter.com/ycc_acs)



246<sup>th</sup> ACS National Meeting – Indianapolis, IN  
Younger Chemists Committee

### EVENTS SCHEDULE

#### Saturday, September 7

##### YCC Guerilla Bar Event

9:00 PM - ?

Check YCC Facebook or Twitter 24 hours in advance for a location announcement! @ycc\_acs #yccGuerilla

#### Sunday, September 8

##### YCC Open Meeting

8:00 AM - Noon

JW Marriott Indianapolis

##### What You Need for the First Job: Besides a PhD (CHED)

8:30 AM – 11:00 AM, 1:30-4:00 PM

Indiana Marriott Downtown, Ballroom C/D

##### Grad School Reality Check

9:00 – 11:00 AM, 3:00 – 6:00 PM (networking social)

Indiana Marriott Downtown, Ballroom 9/10

##### “Come Get the Scoop in Indy – An Afternoon Treat with ACS Governance”

2:00-3:00 PM

Location TBD

##### Diversity and Inclusion Symposium

2:30 PM – 5:00 PM

Indiana Marriott Downtown, Room: Austin/Boston

##### Networking with Grad School Recruiters

3:00-6:00 PM

Indianapolis Marriott Downtown

##### The Diversity Reception

5:30 - 7:30 PM

JW Marriott Indianapolis Ballroom 4

##### Supercar: Building the Car of the Future (CEI Film Series)\*\*

7:30-9:00 PM

Indianapolis Marriott Downtown Ballroom 9/10

#### Monday, September 9

##### YCC/Member Insurance Fun Run\*\*

SE-18/\$30 (regular) SE-36/\$20 (student)

7:00 AM - 10:00 AM

Indiana Conv. Ctr. Wabash Hall East Lobby

##### Presidential Symposium on Career Advancement Opportunities

8:30 AM - 4:30 PM

Hyatt Regency

##### Women Chemists of Color Networking Social

10:00 AM - Noon

JW Marriott Room 204

##### Role & Value of Social Networking in

Advancing the Chemical Sciences\* (CINF)\*

8:00 AM-Noon

Indiana Convention Center Rm 141

##### Getting Your First Industrial Job (PROF)

1:00 - 4:40 PM

Indianapolis Marriott Downtown Ballroom 8

##### ACS Graduates and Postdoctoral Reception

7:00 - 8:30 PM

Indiana Conv. Ctr. 500 Ballroom

##### Sci-Mix Interdivisional Poster Session

8:00 - 10:00 PM

Indiana Conv. Ctr. Halls F&G

##### YCC Guerilla Bar Event\*

9:00 PM - ?

Check YCC Facebook or Twitter 24 hours in advance for a location announcement! @ycc\_acs #yccGuerilla

#### Tuesday, September 10

##### Diversity and Inclusion Symposium

8:00 AM- 12:00 PM

Indianapolis Marriott Downtown, Room: Texas

##### The Chemistry of Energy: Minimizing its Input, Maximizing its Output (GSSPC/GEAB)

8:30 AM- 4:30 PM

Indianapolis Marriott Downtown Ballroom F/G

##### CCPA Advocacy Training

10:00 AM- 12:00 PM

JW Marriott

##### Dow Chemical LGBT Reception

5:00 PM- 7:00 PM

Chef Joseph's at the Connoisseur Room

##### WCC/Eli Lilly Award Poster Session

11:00 AM- 12:00 PM

JW Marriott Indianapolis, Grand Ballroom 3&4

#### Wednesday, September 11

##### Before & After Lab: Instructing Students in 'Non-Chemical' Research Skills\* (CINF)

8:00 AM-Noon

Indiana Convention Center Rm 141

Sponsored by YCC\*

Co-sponsored by YCC\*\*

#### Register for the following awards!

CIBA/YCC Young Scientist Travel Award – Apply by December 31

Younger Chemist Leadership Development Award – Apply August 1 through November 1

<http://ycc.sites.acs.org>

Visit the ACS Career Services website at:

<http://www.acs.org/content/acs/en/careers.html>



# The ACS Presidents Column:

## A Message from Marinda Wu for the YCC

*Every newly elected ACS president is asked by YCC to deliver their personal message to all the younger chemists. This is what Marinda Wu, Ph.D., 2013 ACS President had to say.*



If I were asked to offer just one piece of advice, I would share with you something I have done my entire life—“Turn challenges into opportunities!” Life is full of challenges. Many of them are unexpected and beyond our control. Having a positive attitude can make a huge difference in outcomes.

I truly believe this is a most exciting time to be a younger chemist. As I travel the world, I find that chemical societies everywhere want to support their younger chemists. You represent our future.

The world population passed seven billion in 2011 and is estimated to reach nine billion by 2040 based on current growth trends. Chemists must and will be an essential part of the team that helps to solve our global challenges of clean water, air, energy, food, medicines, and much more to improve the quality of life on this planet. Earth’s resources are not

unlimited, but I am confident that your generation will tackle and help solve some of these world challenges—and also discover some new opportunities!

One specific opportunity for us all is helping to better educate the general public and policy makers about the value that we chemists bring to society. Doing so can enhance our profession via greater recognition, support and research funding—in turn, leading to more job opportunities. I once told a friend at Novartis that I found their TV commercial quite touching when they described a life saving medicine. The general public needs to be reminded that a chemist invented this wonderful medicine, like many others. Science in general and chemistry in particular are still under appreciated by non-scientists in the U.S. and abroad.

My latest ACS Comment in C&EN (September 2, 2013) is on “Time to Partner and Speak up for Science!” It was Thomas Jefferson who once said, “Science is my passion; politics, my duty!” I do hope more of you will do your part to get involved with advocacy and partnering to speak up for science.

Working together to contact our policy makers at local, state or national levels, we *can* make a difference in the economic and employment outlook for chemists and all Americans by advocating strongly to support science and technology. Visit [www.act4chemistry.org](http://www.act4chemistry.org) for helpful tools on how to reach your legislators.

A Presidential Advocacy Training workshop at the national ACS meeting in Indianapolis on September 10, also cosponsored by YCC, can sharpen your skills and better prepare you to advocate for science with your legislators. I invite you to my Presidential Symposia on “Career Advancement Opportunities” on September 9 and “Innovation and Entrepreneurship” on September 10. If you cannot make it, you can look for this helpful information online after the ACS meeting and eventually shared in an ACS Symposium book.

My Presidential theme—whether I am talking with legislators, students, or scientists from industry, academia, or government—has always been about how we can all work together and get more accomplished if we become “Partners for Progress and Prosperity!”

I welcome your thoughts at [m.wu@acs.org](mailto:m.wu@acs.org). Best wishes with all your future endeavors!