

## ACS - DAC DIVISION NEWSLETTER November 2013

### A MESSAGE FROM THE NEW CHAIR

During 2013 we celebrated the 75<sup>th</sup> year anniversary of the division! What an incredible journey we analytical chemists have been on during that time span. We have grown from humble beginnings in material science and wet chemistry to being at the forefront of developing many of the most critical tools of modern chemistry in separation science, nuclear chemistry, mass spectrometry, infra-red, uv/visible and fluorescence spectroscopy, and many others.

Individuals, companies and, indeed, industries have flourished on the basis of our inventions

and dedication to the discipline. We have an amazing aptitude for incorporating advances in other fields into our discipline – just thinking about the transformative impact of the laser, microelectronics, computing, nanotechnology and advances in physical chemistry have had on our development of ever more powerful tools for chemical analysis. And even as our colleagues continue to advance the fundamental science of analytical chemistry, many more of our colleagues are working every day to use these tools to bring new insights into our understanding of human biology, genomics, proteomics, inter-planetary (and now inter-stellar!) exploration, geochemistry, and the development of new products in advanced materials, pharmaceuticals, energy, biologicals, and more. Indeed, one would be hard pressed to name a field of industry or science that has not benefited from the work we as analytical chemists have done.

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- Like us on Facebook!

**Reminder – Make sure you remember to renew your membership in the Division!**

practice. Each year the Division supports the recognition of extraordinary work in our field through its Division awards, through nominating members to be recognized as fellows of the

Throughout this journey, our predecessors and we have taken time to look beyond our individual efforts and devote some portion of our resources to supporting and advancing the discipline by participating in the activities of The Division of Analytical Chemistry. The Division is as much of the legacy we have inherited and will leave to our successors as is the very science that we

ACS, and through sponsorship of symposia recognizing ACS national awards to division members. We also support active programming at both the national ACS meetings, the Pittsburgh Conference, FACSS – and in 2014 for the first time ever we will be supporting programming at the American Association of Pharmaceutical Sciences national meeting. We support graduate researchers through our graduate fellows program. And the executive committee works hard to create more ways of bringing value to our members through special programs.

Yet, perhaps as sign of the economic times, every year for the past 5 years the Division membership has declined, even as our discipline has grown in the number of practitioners and continues to flourish in generating exciting scientific advances. Our membership is the primary source of the revenue that enables the Division to provide the benefits. How nice it would be if 2014 were to be the year in which we reverse that trend, and all do our part in continuing the legacy we have inherited from those who came before us. You can do your part first and foremost by renewing your current membership. The incremental cost to ACS membership for Division membership is minimal. And even if economic circumstances preclude continuing a full ACS membership, it is still possible for you to continue membership in the Division for a very modest cost. Come to one of our national meetings (Dallas in the Spring, San Francisco in the Fall), and I guarantee that you will see much to stimulate your scientific curiosity. And of course, we are always seeking volunteers from among our members to help enhance and expand the benefits that we all receive as Division members. Interested in becoming more active? Contact me at [thomasrossi@comcast.net](mailto:thomasrossi@comcast.net).

## NEWS FROM THE FALL ACS MEETING IN INDIANAPOLIS

### 75 Years of the Division of Analytical Chemistry



(electrochemistry) and Graham Cooks (mass spectrometry).

In celebration of the 75 year history of the Analytical Division called upon a group of four of our most well-respected experts, each of whom focused on their own area, but all of whom provided a thorough (and often humorous) retrospective on the development of analytical chemistry as a field in its own right, pulling from seminal articles from the literature as well as their own experiences as their areas have grown and matured. Shown at left are (L to R) Milos Novotny (chromatography), Gary Hieftge (spectrochemistry), Dennis Peters (symposium organizer and session chair), Bill Heineman

### 2013 Division of Analytical Chemistry Awards

The Division of Analytical Chemistry recognized the recipients of its 2013 Awards at a Symposium held Tuesday afternoon, September 10<sup>th</sup>. The first presentation was by the recipient of the Arthur F. Findeis Award for Achievements by a Young Analytical Scientist, Ryan Bailey of University of Illinois. Although we missed Professor Peter Carr, the 2013 J. Calvin Giddings

Awardee for Excellence in Education, his former student Mark Vitha delivered Pete's address and accepted the award on his behalf. Professor Andrew Ewing, who received the DAC Award in Electrochemistry, was then followed by Professor David Walt, the recipient of the Division's 2013 Award in Spectrochemical Analysis. Last but not, least, attendees got a preview of what to expect from Charles Wilkins, the 2013 recipient of the Division Award in Chemical Instrumentation (presented at SciX).



Ryan Bailey with Cindy Larive, Immediate Past-Chair

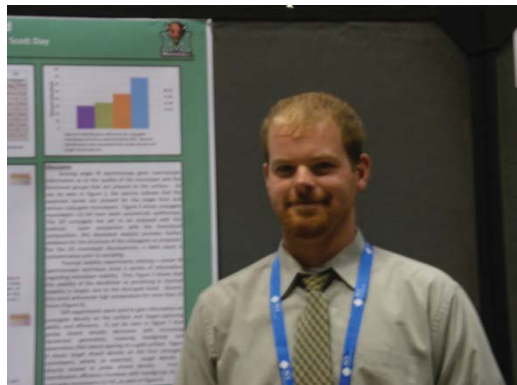


Mark Vitha accepts Giddings Award on behalf of Peter Carr.



Recipients of the Division of Analytical Chemistry Awards in Electrochemistry, Spectrochemical Analysis and Chemical Instrumentation are shown accepting their awards from Cindy Larive. Upper left: Andrew Ewing. Upper right: David Walt. Left: Charles Wilkins

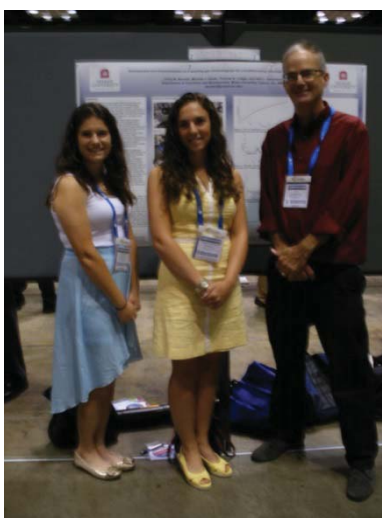
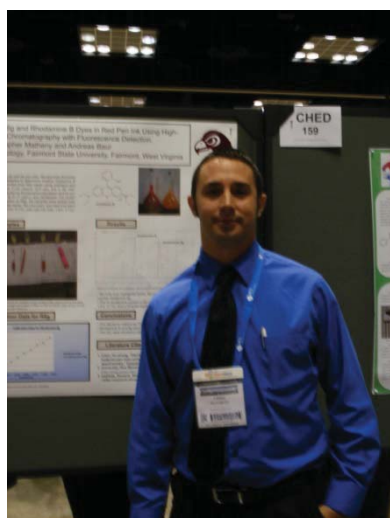
## Undergraduate Poster session in Indianapolis



Susan Olesik, Chair-elect of the Division was on hand at the Undergraduate Poster Session held Monday afternoon, September 9<sup>th</sup>. Ten undergraduates were awarded certificates for their participation in the session.

Left: Christian Warner

Below left: Christopher Matheny. Below center: Jen Fasciano, Carly Kennell, and Neil Danielson. Below right: Emily Aldrich with Susan.



Above left: Lyneisha Wright. Above right: Susan Olesik, Shane Allen, and Nick Puglisi.



Above left:: Corinne Diebel, Emily Pavlovic, Jia Qiao, and Geoff Hutchinson. Above right: Thaameran Sarveswaran and Nate Godby.

## ACS Fellows

Among the 96 members of the 2013 class of ACS Fellows are nine who are members of the Division of Analytical Chemistry. The Program was created by the ACS Board of Directors in December 2008 to recognize members of ACS for outstanding achievements in and contributions to science, the profession, and the Society. Nominations are solicited from Sections and from Technical Divisions each year.. The Division extends its congratulations to Neil Jespersen, Anna Cavinato, David W. Koppenaal, Barbara Belmont, Susan Lunte, Michael Morello, Barry Streusand, George Wilson, and Steven Wise. Members were inducted on Monday, September 9<sup>th</sup>, and were presented their Fellows plaques by Bassam Shakashiri, immediate past chair of the ACS. Other fellows, not pictured above, included Barbara Belmont, Neil Jespersen, Mike Morello, Barry Streusand, George Wilson, and Stephen Wise.



Above left: Bassam Shakashiri with Sue Lunte. Above right: Samuel Bryan, Anna Cavinato, David Koppenaal

## Anniversary Reception

As Tuesday drew to a close, analytical chemists took time out to gather for the Division's reception held at the JW Marriott. The division also took time to express their appreciation to Cynthia Larive, with new Chair Thom Rossi conveying a well-deserved "Thank you" from all of our members. Also in attendance were the winners of the 75<sup>th</sup> Anniversary Poster awards.



Above left: Thom Rossi and Cindy Larive. Above right: Poster award winners Sarah Gruba, Rachel Saylor, Ashli Simone, Sarah Lantvit, and Jessica Joslin



Food and Analytical Division T-shirts were abundant at the Anniversary reception. It was time to catch up with old friends and to meet new ones.

## Division Executive Board Meeting

The Executive Committee met at the 246<sup>th</sup> National Meeting of the American Chemical Society in Indianapolis on Monday September 9, 2013 from 4:00 to 7:00 pm at the Indiana Convention Center, Room 145. After introductions and approval of previous minutes, Program Chair Thom Rossi provided a summary of the ongoing program in Indianapolis and gave special recognition to Lane Baker for his outstanding effort in organizing his symposium. Chair Elect Susan Olesik reminded the EC of the reception on Tuesday evening at the JW Marriott. As an incentive for students and younger members to attend, it was decided to hand out complimentary tickets at the Graduate Student Reception on Monday evening. Other suggestions for the future included comp tickets for students, hold a lunch instead of reception or hold a joint reception with other divisions.

Susan Olesik also reviewed the programs for the upcoming Pittcon meeting in Chicago and the ACS Spring meeting in Dallas in 2014. There is a slate of very interesting symposia planned for Pittcon mostly around bioanalytical chemistry but also on chemometrics and nanomaterials. Sessions are also being organized for the Dallas meeting around the theme of energy. Sessions on mass spectrometry and separation science are already in place. Susan solicited suggestions on how to find more local session organizers and speakers. The deadline for abstract submission is October 16.

Cindy Larive, Division Chair, reported on the strategic planning meeting that was held on Sunday September 8. During the meeting initiatives from the previous year were reviewed and plans were made for their implementation. Many creative ideas came forward including a video contest geared to younger chemists and inviting the winners to present at the San Francisco meeting. It was also pointed out that ACS Network now has a mechanism for developing a members-only web page that can be populated with items of interest to division members. A multi-year program committee will be established to assist Program Chair with future planning.

Secretary Anna Cavinato reported that elections were held from June 21 through July 20 in conjunction with the Subdivision of Chromatography. Participation dropped from 12.5% in 2012 to about 9.2% in 2013. This year a phone voting option was available but no one opted to vote by phone. Anna also shared comments for the 2012 Annual Report Review. In general, comments were favorable and the division is perceived as healthy and in good shape. However, one reviewer commented that the division does not hold open meetings. This information is not accurate as meeting of the Executive Committee are advertised in the conference program and announced on the division web page.

Michelle Bushey, Treasurer, provided a summary of the current budget and presented the proposed budget for 2014. A decrease in incoming dues is projected because of decreased membership. Overall the budget for 2014 will be down (projected) about \$29K. Expenditures are pretty stable. They were increased for 2013 for anniversary activities. 2014 will see some increase to support the current membership drive. Charlie Wilkins moved to approve the budget, Roland Hirsch seconded. The motion was approved unanimously. Michelle also reviewed the investment report including investment accounts, CD and bank account. The current assets of the division amount to \$411,000. In regards to the investment pool, Thom Rossi would like to consult with the Finance Committee and plan some investment and financial strategies.

Committee reports included award canvassing, communication (newsletter, web, and Facebook page), SciX representatives and the Analytical Sciences Digital Library. Cindy Larive conveyed a request from ASDL that the contact person be made a formal member of the EC. A budget

request was made so that travel expenses would be covered. Cindy moved to invite an ASDL representative to be a committee representative on the EC. The motion was seconded by Thom Rossi and approved unanimously.

As a new business item, a group of graduate students from the University of Washington, representing the 2014 Fall ACS Graduate Student Symposium committee, requested support for a two half-day symposium at the ACS meeting in San Francisco. The symposium will focus on health and disease and energy technologies. Charlie Wilkins moved to contribute \$1500 to this effort. Cindy Larive added that, in addition to including the division logo in any of the advertising materials, at least one speaker for each session will be from the division. The motion was seconded by Roland Hirsch and approved unanimously.

## **Reports from National ACS governance meetings**

Councilor Talking points and a Summary of Governance Actions/Reports are available on the Division website at <http://www.analyticalsciences.org/IndyCouncil>.

## **DIVISION AWARDS: DEADLINE EXTENDED TO NOVEMBER 15<sup>th</sup>**

The deadline for nominations for 2014 Division of Analytical Chemistry Awards has been extended to November 15<sup>th</sup>. Nominations are sought for the following awards:

ACS Division of Analytical Chemistry Award in Chemical Instrumentation Sponsored by the Dow Chemical Company

ACS Division of Analytical Chemistry J. Calvin Giddings Award for Excellence in Education

ACS Division of Analytical Chemistry Award in Spectrochemical Analysis

ACS Division of Analytical Chemistry Award in Electrochemistry

ACS Division of Analytical Chemistry Arthur F. Findeis Award for Achievements by a Young Analytical Scientist Sponsored by Philip Morris USA

ACS Division of Analytical Chemistry Award for Distinguished Service in the Advancement of Analytical Chemistry Sponsored by Waters Corporation

ACS Division of Analytical Chemistry Award for Young Investigators in Separation Science Sponsored by Agilent Technologies

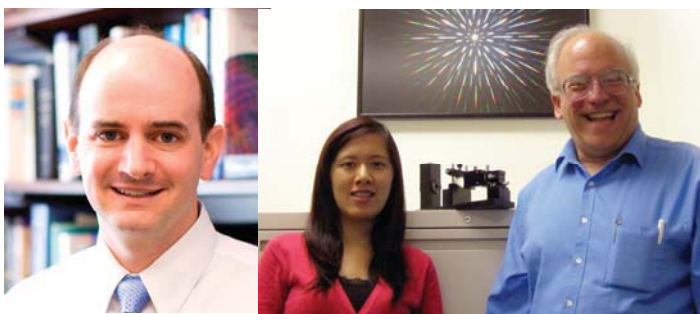
Nomination rules and procedures for each of the awards can be found on the Division Award site at <http://www.analyticalsciences.org/awards.php?action=divisionAward>

## **REPORTS FROM SCIX**

### **FACSS Innovation Awards**

The Federation of Analytical Chemistry and Spectroscopy Societies (FACSS) announced the winners of the inaugural 2013 FACSS Innovations Awards. The awards were given in two categories, Vibrational Spectroscopy and General Analytical, and showcase new and creative science reported in oral presentations at . FACSS-organized conferences. Five finalists were shortlisted from more than 150 applications, and they presented their work to expert panels to determine the top award. The five finalists were Gregory Engel, Jason Eichenholz, Glen Jackson, Alexander Scheeline, and David Jonas.





Left: Greg Engel. Right: Thu Anh Bui and Al Scheeline

In the end, two awardees were named. The topics and awardees were:

*Imaging Quantum Effects in Biological Systems*; Gregory S. Engel (The University of Chicago), and *Portable Spectrometry: Making Good Use of CMOS Detectors*; Alexander Scheeline (SpectroClick) and Thu Anh Bui (Vietnam National University, Hanoi)

Entries for the 2014 FACSS Innovation Awards can be made via submission at the SciX 2014 conference website starting in January 2014.

### Other Awards at SciX

*ACS Division of Analytical Chemistry Award in Chemical Instrumentation*, Charles L. Wilkins, University of Arkansas, sponsored by Dow Chemical. Charlie was also feted (as mentioned above at the fall meeting of the ACS.

*AES Mid-Career Award*, Todd Squires, UCSB. The award is presented by the Electrophoresis Society for exceptional contributions to the field of electrophoresis, microfluidics and related areas. and Todd is the inaugural awardee.



L to R: Charles Wilkins, Todd Squires, Norm Dovichi

*ANACHEM Award*, Norm Dovichi, University of Notre Dame. The ANACHEM Award was established in 1953 and is presented annually to an outstanding analytical chemist based on activities in teaching, research, administration or other activity which has advanced the art and science of the field



L to R: Volker Deckert, Rohit Bhargava, Xiaoliang Sunney

*Charles Mann Award for Applied Raman Spectroscopy*, Volker Deckert, University of Jena and Institute of Photonic Technology, Jena. This award recognizes an individual who has demonstrated advancements in the field of applied Raman or demonstrated dedication to the advancement of the Raman program at a FACSS or ASTM Raman subcommittee meeting.

*Coblentz Society Craver Award*, Rohit Bhargava, University of Illinois, Urbana-Champaign. The award is presented each year to a young molecular spectroscopist working the field of applied analytical vibrational spectroscopy.



*Ellis R. Lippincott Award*, Xiaoliang Sunney Xie, Harvard University. This award recognizes an individual who has made a significant contribution to the field of vibrational spectroscopy. It is presented by The Optical Society of America, The Coblentz Society, and the Society for Applied Spectroscopy.

*Lester Strock Award*, Richard Russo (pictured at left), Lawrence Berkeley National Laboratory and Applied Spectra, Inc. The award is presented by the New England Section of the Society of Applied Spectroscopy in recognition of a publication of substantive research or application of analytical atomic spectroscopy in earth science, life sciences or stellar and cosmic sciences.

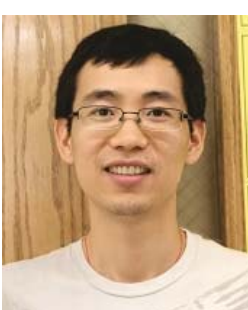
*Applied Spectroscopy William F. Meggers Award*. Eleanor Bonnist, Chris Marriott, Scott Singleton, Peter Caspars, Gerwin Pupples, Martin van der Wolf, Jean-Phillippe Gorce, Paul Pudney, and Scott Singleton received the 2013 award in recognition of their publication "A New *in vivo* Raman Probe for Enhanced Applications to the Body," which appeared in the August 2012 issue of *Applied Spectroscopy*



Top (L to R): Jean-Phillippe Gorce, Peter Caspars, Chris Marriott, Eleanor Bonnist. Bottom (L to R) , Martin van der Wolf, Paul Pudney, Gerwin Puppels, Scott Singleton

### FACSS 2013 Student Award and Tomas A. Hirschfeld Awards

Larry R. Gibson, II, has been named the 2013 FACSS Student Awardee. He is presently a student in the laboratory of Professor Paul Bohn at University of Notre Dame. His dissertation work targets the development of low-cost, hybrid microfluidic/nanofluidic devices for point-of-care medical diagnostics. The 2013 Thomas Hirschfeld Awardees are Gloria Sheynkman and Bai Nie. Gloria is at University of Wisconsin-Madison, and is currently working with Professor Lloyd M. Smith, who has driven the development of many technologies, including DNA sequencing. Her research project is at the interface of genomics and proteomics, where she is integrating next generation sequencing and mass spectrometry technologies for the



Above, L to R: Larry Gibson, Gloria Sheynkman, Bai Nie

Gloria is at University of Wisconsin-Madison, and is currently working with Professor Lloyd M. Smith, who has driven the development of many technologies, including DNA sequencing. Her research project is at the interface of genomics and proteomics, where she is integrating next generation sequencing and mass spectrometry technologies for the

improved characterization of sample-specific protein variations. Bai Nie is a graduate student at Michigan State University, working with Professor Marcos Dantus. His current research focuses on the development of novel ultrafast fiber lasers, pushing the limits of pulse duration and pulse energy of fiber oscillators.

## DAC GRADUATE FELLOWSHIPS

The ACS Division of Analytical Chemistry is pleased to announce the recipients of fellowships for 2013-2014.

Nine-month fellowships were awarded to

Ryan Espy at Purdue University (sponsored by Agilent Technologies)

Eric Lanni at the University of Illinois Urbana-Champaign (sponsored by Eli Lilly).

Summer fellowships were awarded to

Yan Gu at Iowa State (sponsored by the Society for Analytical Chemists of Pittsburgh, SACP)

Michael Ewing at Indiana University (sponsored by Eastman Chemical)

Da Han at the University of Florida (sponsored by SACP)

Charles Shelor at the University of Texas at Arlington (sponsored by SACP)

Gabriel LeBlanc at Vanderbilt University (sponsored by SACP)

Honorable Mentions were awarded to

Yang Cui at the University of Illinois Chicago

Debolina Chatterjee at Brigham Young University.

The nomination process is now underway for the 2014-2015 Graduate Fellowship program. The program provides both nine-month (\$21,000) and summer (\$7,000) fellowships to promising analytical chemistry graduate students to support their thesis research. Faculty advisors who are members of the Division may nominate one graduate student for a fellowship award. Applications are due **December 13, 2013**, and information about the program, eligibility and criteria, as well as instructions for preparing and submitting applications may be found at [www.southwestern.edu/departments/chemistry/acsgraduatefellowship/](http://www.southwestern.edu/departments/chemistry/acsgraduatefellowship/)

## CALL FOR NOMINATIONS: 2014 COBLENTZ STUDENT AWARDS AND FATELEY AWARD

The Coblenz Society has for many years encouraged young scientists to pursue studies in spectroscopy by seeking nominations of outstanding students for the Coblenz Student Awards. The awardees receive a copy of the Society's Desk Book, a certificate, and a year's membership in the Society. Their names and the names of their faculty advisors will appear in the Society's Newsletter (published in Applied Spectroscopy and available from the Coblenz Society and SAS websites). All awardees who attend the SciX conference will receive their award in person at a presentation during the poster session on Sunday evening by then Coblenz Society's president. Those students who do not attend the SciX conference will receive their award by mail.

The three leading graduate students selected by the Coblenz Award committee will also qualify for consideration for the William G. Fateley student award that includes a presentation by the winner at the SciX conference (20 minute oral presentation), a plaque, and a prize of \$1000. No separate nomination for the Fateley award is required.

The nominations window for Coblenz Student Awards is open November 1, 2013 – February 1, 2014. Winners will be announced in February 2014.

Nominations by e-mail are preferred and may be sent to the Chair of the Coblenz Student Affairs Committee, Prof. Rohit Bhargava, at [trxb@illinois.edu](mailto:trxb@illinois.edu). Graduate or undergraduate students who have shown excellence in vibrational spectroscopy research and/or coursework including vibrational spectroscopy may be nominated. The nominator must be a member of the Coblenz Society (to become a member contact Mark Druy at [druy@psicorp.com](mailto:druy@psicorp.com)).

Requirements for a complete nomination:

1. Curriculum Vita for the nominee. These should include contact information (e-mail, telephone and mailing address) for the student that will be valid through July 2014.
2. A biographical statement suitable for including in an announcement of the award, using a format similar to that used for the FACSS Student Award
3. Letter of nomination from an advisor or research director of the student
4. An additional letter of recommendation
5. An abstract for a poster or oral presentation that might be presented at SciX 2014 presented by FACSS

In 2013 all awardees were featured by having a photograph and a short bio in the SciX 2013 Final program distributed at Milwaukee. All awardees who attend SciX 2013 presented by FACSS in Milwaukee were acknowledged in person at a presentation during the poster session on Sunday evening by the Coblenz Society president – Jim Rydzak.

## **RESULTS OF ELECTIONS - SUBDIVISION ON CHROMATOGRAPHY AND SEPARATIONS CHEMISTRY**

The Subdivision on Chromatography and Separations Chemistry has reported the following election results for new officers. The officers for the coming year are :

Chair: Karen Phinney (National Institutes of Standards and Technology)

Chair-Elect: Lisa Holland (West Virginia University)

Immediate Past Chair: Neil Danielson (Miami University)

Secretary: Kate Rimmer (National Institutes of Standards and Technology)

Historian: John G. Nikelly (University of Sciences, Philadelphia)

Executive Committee Members: Jared Baker (Elmira College), Irena Maksimovic (Bristol-Myers-Squibb), Jared Anderson (University of Toledo), and Jason Anspach (Phenomenex)

Congratulations and good luck as you begin to assume your offices.

## **PITTCON - CHICAGO, MARCH 2-6, 2014**

The ACS Division of Analytical Chemistry is pleased to announce that we are again programming at Pittcon. The Division will be sponsoring six invited symposia as well as an award session on Monday morning and a poster session on Monday afternoon, March 3, 2014.

## Awards Symposium: ACS Division of Analytical Chemistry Award for Young Investigator in Separation Science

The Analytical Chemistry Award for Young Investigators in Separation Science was established to recognize and encourage outstanding contributions to the field of separation science by a young chemist or chemical engineer who has earned his or her highest degree within ten years of January 1 of the year of the award.

The 2014 Division Award for Young Investigators in Separation Science will be presented this year to Dr. Michael Roper, Florida State University during the Award Symposium to be held on Wednesday morning, March 5, 2014. Dr. Roper obtained his B.S. in chemistry from the University of Texas at Austin in 1998. He then received his Ph.D. from the University of Florida in 2003 under the supervision of Robert T. Kennedy. From 2003-2006, he was a postdoctoral fellow at the University of Virginia in James Landers' laboratory. He joined the department of Chemistry and Biochemistry at Florida State University in August 2006 and was promoted to Associate Professor in 2011. He is also a member of the Molecular Biophysics program at FSU. His research interests include the development of separation and detection methods for measuring multiple peptides released from islets of Langerhans

Dr. Roper's contributions to separation science include the development of multi-color electrophoretic immunoassays for measurement of glucose-regulating hormones from islets of Langerhans. These automated methods allow high temporal resolution measurements of secretion processes, which allow the interactions among these peptides to be observed. The methods are applied to the examination of the dynamic behavior of both individual and groups of islets under in vivo-like conditions. In addition, he has utilized statistical methods to optimize conditions for capillary and microfluidic electrophoretic separations and post-separation sample handling steps.

### Other Invited Symposia at the Chicago Meeting

Symposium topic	Day	Organizer(s)
Analytical Advances in Clinical Diagnostics	Sunday PM	Barbara Bojko, Univ. Waterloo, CA
Advances in Our Understanding of Complex Aerosols at the Individual Particle Level	Tuesday AM	Kimberley Prather, UCSD Vicki Grassian, Univ. Iowa
Chemometrics for Modeling and Analyzing Chemical Systems	Wednesday AM	Frank Vogt, Univ Tennessee
Nanofabrication and Nanoconstructs for Chemical Separations	Wednesday AM	Lisa Holland, West Virginia Univ.
Lifelong Teaching and Learning in Separation Science	Wednesday PM	Charles Lucy, Univ. Alberta
Interferometry in Chemistry, Biology and Medicine	Thursday AM	Darryl Bornhop, Vanderbilt Univ.

It is not too early to begin planning your trip to Pittcon. The registration, housing, and travel sites are up and running on the Pittcon site at [pittcon.org](http://pittcon.org)

## PLANS FOR ACS-DALLAS, MARCH 16-20, 2014

Following quickly on the heels of Pittcon comes the Spring National Meeting of the American Chemical Society, held this year in Dallas, TX. The Analytical Division will be sponsoring an invited oral symposium, two awards symposia and several oral contributed sessions, as well as a general poster session.

The invited sessions are:

Symposium topic	Organizer(s)
Mass Spectrometry and Related Technologies for Energy and Fuels	Benjamin Gythell, Univ. Missouri, St. Louis
Nobel Laureate Signature Award for Graduate Education in Chemistry: Symposium in Honor of Livia S. Eberlin and R. Graham Cooks	Susan Olesik, Ohio State Univ.
Frank H. Field and Joe L. Franklin Award for Outstanding Achievement: Symposium in Honor of Evan R. Williams	Peter Armentrout, Univ. Utah

The contributed oral sessions planned for the Dallas meeting focus on the following:

Advances in Analytical Spectroscopy  
Advances in Electrochemistry  
Advances in Mass Spectrometry  
Advances in Separation Science

Analytical Chemistry in Energy  
Environmental Analytical Chemistry  
Frontiers in Bioanalysis

More details about the meeting will be provided as they become available, and the meeting site can be accessed at <http://www.acs.org/content/acs/en/meetings/spring-2014.html>

## USDA WESTERN REGIONAL RESEARCH CENTER NAMED ACS NATIONAL HISTORIC CHEMICAL LANDMARK

On Aug. 29, the Western Regional Research Center (WRRC) of the U.S. Department of Agriculture (USDA) was recognized as a National Historic Chemical Landmark for its pioneering research in the chemistry of flavor.

“Our modern world is sustained by a complex industry of food preservation, which requires heating, freezing, dehydrating and other methods that can wreak havoc on flavor,” said American Chemical Society (ACS) President Marinda Li Wu, Ph.D. “Research by WRRC scientists in the field of flavor chemistry allows us to understand the components of aroma and taste and how these compounds react to preservation. Their work enables the widespread availability of high-quality, safe and flavorful foods.”

WRRC scientists began the long process of investigating flavor compounds in the 1940s, and in doing so they developed techniques that gave scientists newfound insight into the complex chemistry of flavor. Through these advances, WRRC researchers improved the taste of processed foods and introduced methods to monitor the safety of food supplies. Because of research in this field, foods can be preserved beyond their normal harvest seasons with minimal

degradation of flavors. It also allows scientists to mimic the flavors of foods with both natural and artificial flavorings.

The achievements of WRRC researchers demonstrated, for the first time, an understanding of the chemical essence of flavor.

“We’re extremely honored to be receiving such an award, and I think it shows the significance of the work that has been done here in the past and that we continue to build on,” said Howard Q. Zhang, Ph.D., director of the WRRC, which is operated by USDA’s Agricultural Research Service (ARS).

The WRRC is the first site in the history of the program to receive two National Historic Chemical Landmark honors. The center was recognized in 2002 for research that made possible the production of stable, safe and high-quality frozen foods. Other Landmarks in the USDA system include the ARS National Center for Agricultural Utilization Research in Peoria, Ill., for making possible large-scale penicillin production during World War II; the ARS Southern Regional Research Center in New Orleans, La., for developing durable-press and flame-retardant cotton; and the ARS Eastern Regional Research Center in Wyndmoor, Pa., for its work on food dehydration technology.

ACS established the National Historic Chemical Landmarks program in 1992 to recognize seminal events in the history of chemistry and to increase awareness of the contributions of chemistry to the well-being of society. For more information about the program, visit [www.acs.org/landmarks](http://www.acs.org/landmarks). (Adapted from press release provided by ACS National Office)

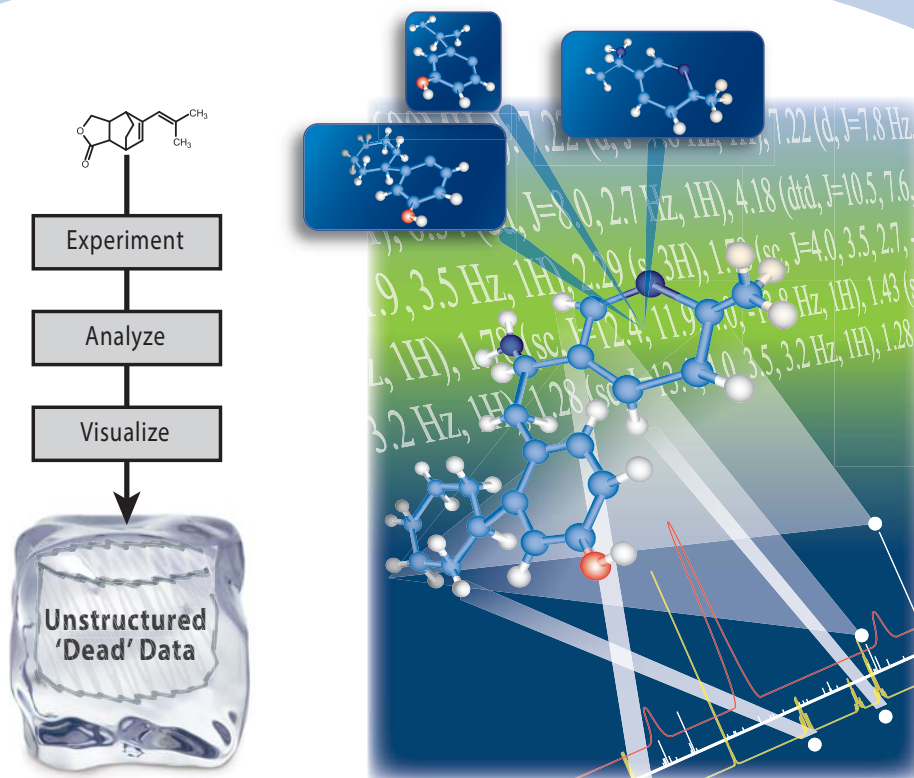
## **WE NOW ARE ON FACEBOOK!!**

The Division of Analytical Chemistry now has a Facebook site. Through October 30, more than 80 news items have been posted there in 2013 by Kimberly Agnew-Heard, our Facebook Editor. Almost 725 persons have “Liked” the Division already, a larger number than for any other Division of the ACS.

It is the best place to find current news about the Division and its programs, so please visit <https://www.facebook.com/pages/Division-of-Analytical-Chemistry-for-the-American-Chemical-Society/166947680008817>

(and you can “Like us,” too!)

# Is Your Data DEAD or ALIVE?



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