Pittsburgh Section

The Crucible

http://www.chem.cmu.edu/acs-pgh/

Volume: XCVI No.6 February 2011

ACS Webinar Events for February 2011

American Chemical Society Webinars (ACS Webinars™) is a weekly online event connecting ACS members and scientific professionals with subject matter experts and global thought leaders in chemical sciences, management, and business on a variety of professional issues. Each webinar is 60 minutes in length, comprising of a short presentation followed by Q&A. The live webinars are held on Thursdays from 2-3pm ET.

View and register for upcoming events at www.acswebinars.org/events or email acswebinars@acs.org. Can't make it? View past webinars at www.acswebinars.org/archives.

February Events:

February 10, 2011 at 2pm ET: "Chemists in Love: Strategies and Tactics for Dual Career Relationship" with Dr. Carolyn Ribes & Dr. Al Ribes

Description: Does your relationship exemplify the properties of a covalent or ionic bond? To succeed in the laboratory of love, it may take more than the chemistry that brought you together. Lucky for you, the love chemists are in! They may not be able to explain the exact compounds behind Love Potion No. 9, but they can provide valuable insight into balancing your many commitments and maximizing the success of your relationship. Whether you and your companion have been together for decades or were recently struck by Cupid's arrow, our 'experts' will provide personal reflections, advice and tips to help you succeed in work and play. Join us with special guest speakers, Al and Carolyn Ribes, and you may discover the secret behind Love Potion No. 9 after all! Registration: http://acswebinars.org Cost: Free

February 17, 2011 at 2pm ET: "Chemistry without Borders – Immigration Update for International Scientists" with Martin Lawler

Description: What do foreign-born scientists, technology entrepreneurs, and investors need to know to legally work in the US? How can one gain path to citizenship as a scientist? Foreign-born scientists and scholars have and continue to contribute to the technical wealth and economic growth in the US. According to 2005 ChemCensus, about twenty percent of chemical professionals are foreign-born. Learn from our speaker, Martin Lawler, of Lawler & Lawler, the various US immigration avenues available for scientific and technical professionals. Registration: http://acswebinars.org Cost: Free

February 24, 2011 at 2pm ET: Employment Trends in the Chemical Enterprise: Past, Present, and Future with Gareth Edwards, Brian Roberts and Michael Wolf

Description: How has employment in the chemical enterprise fared since the Great Recession began? Layoff, restructuring, and unemployment are now the headline news to watch. The national unemplo yment rate has been stuck around 10% since 2009. Will it stay and what to expect for the future? Hear from ACS and Bureau of Labor Statistics analysts as they describe recent trends in unemployment and provide projections about the future of employment. Our speakers will also provide answers to your questions when you join us live! Be sure to register today. Registration: http://acswebinars.org Cost: Free

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EXHIBITION & SYMPOSIUM | MAY 3-5 2011
PENNSYLVANIA CONVENTION CENTER | PHILADELPHIA | USA

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As with all other successful Chemspec Events, Chemspec USA aims to draw in a diverse audience of exhibitors and visitors from such industries as fine chemicals, pharmaceuticals, crop science, cosmetics and personal care, water treatment, dyes and colorants and general specialty chemicals. We believe that Chemspec USA is the most significant new event in this global arena. Philadelphia offers the perfect location for Chemspec USA, located at the heart of the US custom chemicals industry and a major hub for the life science sector, its accessibility and proximity to the market is unbeatable.

AGENDA | SUNDAY, MAY 1 THROUGH THURSDAY, MAY 5

Starting Sunday, May 1 American Chemical Society Short Courses	**Monday, May 2** Scholarship Golf Day	**Tuesday, May 3** Symposium Day	**Wednesday, May 4 - Thursday, May 5** Exhibition & Exhibitor Showcases

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Top industry leaders will deliver two streams covering; pharma, chemical & crop protection, green chemistry, supply chain management, regulatory issues, mergers & acquisitions, investment & venture capital, outsourcing & biotechnology

OVER 30 SPEAKERS CONFIRMED TO DATE, INCLUDING:

Seifi Ghasemi
Chairman & CEO,
Rockwood Holdings

Dr. Tom Connelly
Executive VP & Chief Innovation Officer,
DuPont

Dr. Joe Carleone
CEO, AMPAC

Craig Rogerson
CEO,
Chemtura Corporation

Peter Young
President,
Young & Partners

Dr. Paul Anderson,
former ACS President & former senior VP,
DuPont

Dr. Magid Abou-Gharbia
Former Senior VP at Wyeth and now Dean for Research, School of Pharmacy,
Temple University

Dr. John LaMattina,
former senior VP,
Pfizer Inc.

Dr. Pat Confalone,
VP, Global R&D,
DuPont Crop Protection

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JOB SEARCHING FOR CHEMICAL TECHNICIANS

Presented by

The Society for Analytical Chemists of Pittsburgh
The American Institute of Chemical Engineers, Pittsburgh Section
The American Chemical Society, Pittsburgh Section
The Spectroscopy Society of Pittsburgh

Friday, February 4, 2011

Pre-Registration Required

HARBOR GARDENS, STUDENT SERVICES AREA CONFERENCE ROOMS
Bidwell Training Center, 1650 Metropolitan Street, Pittsburgh, PA 15233
412-323-4000

FREE ON STREET PARKING IS AVAILABLE

PROGRAM

8:30 A.M. Registration

9:00 A.M. **MANAGING AN EFFECTIVE JOB SEARCH**
Daniel J. Eustace, Ph. D.
Career Consultant, American Chemical Society

11:30 A.M. **OVERVIEW OF THE LOCAL JOB MARKET**
Joseph D. Jolson, Ph. D.
Career Consultant, American Chemical Society

12:00 Noon CLOSE

To Pre-Register for the Job Searching for Chemical Technicians Workshop
Send an email to Iesha Griffin (412-323-4000 Ext. 165)

at:

igriffin@mcg-btc.org

Your email must include your full name, complete contact information including address, phone number and email address.

JOB SEARCHING FOR CHEMICAL PROFESSIONALS

Presented by

The Society for Analytical Chemists of Pittsburgh
The American Institute of Chemical Engineers, Pittsburgh Section
The American Chemical Society, Pittsburgh Section
The Spectroscopy Society of Pittsburgh

Saturday, February 5, 2011

Pre-Registration Required

ASHE AUDITORIUM UNIVERSITY OF PITTSBURGH
219 Parkman Ave. (off Bigelow Blvd.)

Parking at Soldiers and Sailors Parking Garage Provided. Lunch Provided.

PROGRAM

8:30 A.M. Registration

9:00 A.M. Welcome and Introduction

9:00 A.M. **MANAGING AN EFFECTIVE JOB SEARCH**
Daniel J. Eustace, Ph. D.
Career Consultant, American Chemical Society

12:10 P.M. **OVERVIEW OF THE LOCAL JOB MARKET**
Joseph D. Jolson, Ph. D.
Career Consultant, American Chemical Society

12:30 P.M. Networking Lunch

1:00 P.M. Resume Review and Personal Consultation

4:00 P.M. Close

Bring your parking ticket for validation and your resume to participate in the afternoon program
(Undergraduates without a resume may participate in the afternoon group resume review)

To Pre-Register for the Job Searching for Chemical Professionals Workshop
Send an email to Mr. John P. Auses at:
jpauses@pitt.edu

Your pre-registration must be received by Tuesday, February 1, 2011 and include your full name and complete contact information including address, phone number, email address and whether or not you expect to participate in the resume review. Academic registrants - please include university affiliation and university department. Let us know when you expect to complete your B.S., M.S., Ph.D., post-doc, or other assignment.

Society for Analytical Chemists of Pittsburgh

February Meeting

Monday, February 7, 2011
8:00 PM

Duquesne University, Laura Faulk Hall

"New Analytical Approaches to Address Emerging Food Safety Issues"

Steven Musser, Ph.D.
U.S. Food and Drug Administration (FDA)

In the last several years there have been numerous high profile cases of foods contaminated by a variety of both known and previously unknown chemical hazards. As a result, the scientific community has been faced with developing innovative, new methods and approaches to identifying, tracking and removing harmful products from the food supply before they become a public health problem. However, determining the presence of contaminants in regulated food and cosmetic products is a often a complex, time consuming process, that is compounded by changes in the manufacturing processes, variability among food matrices and often very short shelf lives of foods. Also, as new hazards are identified, there is increasing pressure to share information about the contaminant, making correct identification and accurate measurement extremely important to public communication of the risks associated with the hazard.

Improving our analytical capabilities to directly address these areas would significantly advance our ability to prevent public health emergencies. Thus, we have focused much of our efforts on developing new, mass spectrometric approaches to solving these problems. This is largely due to several key advantages of this technology including, a high degree of sensitivity, unmatched specificity, and more importantly, the ability to measure multiple analytes in a single analysis. The selection and application of appropriate screening paradigms, based on mass spectrometry, could revolutionize food testing by dramatically improving the throughput and accuracy in which hazards are identified. A summary of laboratory based applications of these approaches, along with some of the problems which need to be overcome, will be discussed.

Biography: Dr. Musser is currently the Director of the Office of Regulatory Science at the U.S. Food and Drug Administration's (FDA) Center for Food Safety and Applied Nutrition (CFSAN). In this role, he oversees an extensive research portfolio supporting a number of priority food and cosmetic programs, including counter-terrorism, dietary supplements, foodborne pathogens, chemical contaminants and natural toxins. He has directed the Center's research in precedent setting areas of food safety research, which include food allergen detection, methods for detecting chemical contaminants, dietary supplement analysis, and the use of proteomics for microbial epidemiology and classification. He has published numerous articles in the peer reviewed scientific literature and regularly speaks on research topics at national and international scientific meetings. Dr. Musser is a member of both the American Chemical Society and the American Society for Microbiology, along with several other professional societies.

Dr. Musser received his B.S. degree in Biology from Millersville University and his Ph.D. in Medicinal Chemistry from the University of Maryland-Baltimore in 1989. He then completed a post-doctoral research fellowship at the National Institutes of Health, National Cancer Institute. He started his career at FDA in 1991 as a research chemist and became the Branch Chief of the Instrumentation and Biophysics Branch six years later. Prior to his current appointment, Dr. Musser was the Director of the Office of Scientific Analysis and Support at CFSAN. He still serves as the Center's Lead Scientist for Chemistry.

Dinner Reservations: Please email the SACP Administrative Assistant, Valarie Daugherty at daugherty@pittcon.org by Wednesday, February 2, 2011 to make a dinner reservation. Should you not have email, please call 412-825-3220, ext 204. Dinner will cost $8 ($4 for students) and checks are to be made out to the SACP. If you have any dietary restrictions, please let Valarie know when you leave message.

Parking: Duquesne University Parking Garage entrance is on Forbes Avenue. Upon entering the garage, you will need to get a parking ticket and drive to upper floors. Bring your parking ticket to the dinner or meeting for a validation sticker. Contact Duquesne University if any difficulties arise.

SPECTROSCOPY SOCIETY OF PITTSBURGH

Wednesday, February 16, 2010

Duquesne University - Pappert Hall (in the Bayer Learning Center)

8:15 PM - Technical Program

"Rapid Analysis of Bacteria Using Mass Spectrometry-Based Proteomics"

Catherine Fenselau,
University of Maryland

Through the last thirty-five years MS has continuously provided profiles of chemical ensembles that are characteristic of different species of microorganisms. Such analyses have benefited from the strengths of mass spectrometry—speed, sensitivity, specificity and automation—and have also been influenced by its limitations, including costly instrumentation. Although phospholipids and low mass metabolites were initially recorded as species-specific biomarkers, matrix-assisted laser desorption/ionization (MALDI), electrospray and advances in automation have made it possible to profile and identify proteins and oligonucleotides from bacteria. Two complementary strategies have evolved for assigning the identities of bacteria based on protein profiles detected in mass spectra. In one approach, careful culturing and controlled MALDI measurements allow the fingerprint comparison of a sample spectrum to a library of target reference spectra, as has recently been commercially adapted for use in clinical diagnostics. The other, a proteomic strategy, does not require a library of reference spectra, but rather proteins are identified by relating partial sequences to a library of genomic sequences. Partial protein sequences can be obtained experimentally using bottom up proteomic techniques to identify peptides generated in bacterial lysates, or from top down MS/MS analysis of intact proteins. Recognizing biomarkers based on sequence tags allows reliable analysis of bacteria in mixtures and characterization of bacteria that have been genetically engineered. Advances in bioinformatics have facilitated the identification of proteins in bacteria that lack a sequenced genome and the phylogenetic characterization of such bacteria.

Bio: Catherine Fenselau, Professor of Chemistry and Biochemistry at the University of Maryland, will receive the 2010 Pittsburgh Conference Adams Award. Fenselau completed her A.B. at Bryn Mawr College and her Ph.D.in Carl Djerassi's laboratory at Stanford University, where she carried out some of the first deuterium-labeling studies to characterize fragmentation mechanisms of ion radicals. After post-doctoral work with Melvin Calvin (UC Berkeley), in 1967 she joined the faculty of The Johns Hopkins University Medical School, in the Department of Pharmacology and Experimental Therapeutics. Here she was given the mandate to develop and exploit mass spectrometry in biomedical research. Independently and in collaborations she published many "firsts" in pharmacology, glycobiology and microbiology. She was a thought-leader as mass spectrometry moved toward analyses of heavier biopolymers, examining, for example, the isotope ratios and fragmentation rates associated with ions that weighed more than 10,000 Da. She moved to the University of Maryland system in 1988, where she works at the protein level, studying mechanisms of drug resistance and immunosuppression in tumors. She has been Visiting Professor at the Moscow Institute of Physics and Technology, Kansai University (Japan), and the University of Warwick (U.K.). She holds several patents on mass spectrometry technologies and has published more than 340 peer-reviewed scientific papers. She is a member of the Board of Trustees of the Maryland Science Center, Assoc. Editor for Analytical Chemistry, past president of the American Society for Mass Spectrometry and past (founding) president of the US Human Proteome Organization. She has previously been recognized with a number of prestigious awards, including the Pittsburgh Spectroscopy Society Medal, the American Chemical Society Garvan Medal, the American Chemical Society Field and Franklin Award, and the Thomson Medal from the International Mass Spectrometry Foundation.

Dinner Reservations: Please register on-line at http://www.pittcon.org/misc/societies/ssprsvp.php or call (412) 825-3220 ext 212 to make dinner reservations NO LATER THAN FRIDAY, February 11, 2011. This month's entrée is Roasted Pork Loin stuffed with Fresh Sage and Fontina cheese served with Black currant-pinon sauce. Dinner will cost $8 and checks can be made out to the SSP. If you have dietary restrictions, please indicate them when you RSVP.

Parking Instructions: The Duquesne University Parking Garage is located on Forbes Avenue. Upon entering the garage, receive parking ticket and drive to upper floors. Pick up a parking chit at the dinner or meeting. Contact Duquesne University if any difficulties arise.

Spectroscopy Society of Pittsburgh

Technology forum

Wednesday, February 16, 2011

Duquesne University, 5:30 p.m.
Pappert Hall in the Bayer Learning Center

"Concerns of Natural Gas Extraction from Marcellus Shale"

Dr. Conrad (Dan) Volz, Jr.
University of Pittsburgh

Serious potential environmental and public health concerns surround the gas extraction process used in the Marcellus Shale, the sedimentary rock formation underlying significant portions of Pennsylvania, New York, and West Virginia. This presentation will address the following topics:

• Conceptual site modeling of sources of human exposure in gas extraction and refining operations.

• Potential human exposure pathways to water and air contaminants.

• Behavioral and community health concerns.

• Public health preparedness related to gas industry operations.

• FracTracker.org, a blog and data management platform being developed by the Center for Healthy Environments and Communities that gives researchers the ability to directly engage citizens in the collection of data to effectively demonstrate the impacts of Marcellus Shale gas extraction.

Bio: Dr. Conrad Dan Volt is an Assistant Professor of Environmental and Occupational Health (EOH) at the Graduate School of Public Health (GSPH), Director for the GSPH Environmental Health Risk Assessment Certificate Program and Director for the Center for Healthy Environments and Communities (CHEC) at GSPH, University of Pittsburgh. He also has a secondary appointment as an Assistant Professor in the School of Law and is a technical consultant to the University of Pittsburgh Environmental Law Clinic. Dr Volt's research interests are primarily focused on how industrial and municipal contaminants, including toxic heavy metals and elements (Hg, As, Se etc), and endocrine disrupting chemicals-particularly those that are estrogenic, move through the air, water, soil and groundwater to reach people and how to block this movement. He is a specialist in the fields of human and ecological receptor exposure assessment and fate and transport of contaminants through environmental media and teaches these classes at the GSPH. Dr. Volt has over 30 years experience in occupational-environmental health; he received his initial training in Public and Occupational Health in the Department of Occupational Health at GSPH on a fellowship from the U.S. National Institute for Occupational Safety and Health (NIOSH). Dr. Volt holds an MPH and Doctor of Public Health degree from GSPH. After holding progressively responsible posts in private industry (National Steel Corporation), government (California OSHA Consultation Service) and non-governmental agencies (Western Institute for Occupational and Environmental Health Sciences, Berkeley California), Dr. Volt started an environmental health consulting company in 1984. He has worked in 24 different countries on 5 continents performing radionuclide transport studies, occupational / environmental contaminant/toxin exposure pathway analysis, exposure assessments, environmental risk assessments and engineer and policymaker training. He joined the faculty of EOH-GSPH in May of 2004. Dr. Volt was elected to the Omicron Chapter, Delta Omega Honor Society, National Public Health Honor Society in 2006. He recently received the endowed, Dr. James L. Craig Award for Teaching Excellence at GSPH for year 2008-2009.

ACS Pittsburgh Chemists Club

Pittsburgh Section, American Chemical Society

February Meeting
Tuesday, February 22, 2011

Noon Meeting:
Note Early Reservation Deadline

Carnegie Museum of Art
Forbes Avenue at Craig Street
Pittsburgh

11:45 AM
Luncheon Meeting
Museum Cafe
Lunch on your own
through cafeteria line

1:15 PM
Carnegie Museum Small Group Guided Tour : Conservation - The Science Behind Art

Cost:
$10.00 per person for the tour

For Reservations, please call Ed Martin by Noon Thursday, February 17 , 2011 at (724) -335 -0904 or by e-mail at edwardmartin1046@verizon.net. When making reservations, please leave a telephone number or e-mail address in case of a bad weather cancellation.

University of Pittsburgh
Chemistry Department Spring Seminar Listing

2/3/2011
2:30-4:00pm, 12B CHEVRON
Michael Johnson, University of Kansas
"Electroanalytical Measurements in Living Systems: Understanding Neurological Disease State Mechanisms"

2/10/2011
4:00pm,12A CHEVRON
Jodi Weseman, American Chemical Society, Washington, D. C.
"Strategies for Broadening Participation and Fostering Excellence in Chemistry"

2/17/2011
2:30-4:00pm, 12B CHEVRON
Catherine Fenselau, University of Maryland
"Progress in Middle-down Proteomics (Automated LC-MS/MS Analysis of Small Proteins and Large Peptides)"

4:00-5:00pm,12A CHEVRON
Regan Thomson, Northwestern University
"Development and Application of Carbon-Carbon Bond Forming Reactions"

2/24/2011
4:00-5:00pm,12A CHEVRON
Alex Deieters, North Carolina State
"Regulation of Biological Processes with Small Molecules and Light"

3/3/2011
2:30-4:00pm,12B CHEVRON
Sojung Park, University of Pennsylvania
"Self-Assembly of Nanoparticles, Amphiphilic Polymers, and DNA"

4:00-5:00pm,12A CHEVRON
Karen Allen, Boston University
"Evolving New Specificities in a Superfamily of Phosphatases"

3/4/2011
4:00-5:00pm, 228 Eberly
Jiyong Hong, Duke University
"Organic Division Seminar"

3/8/2011
2:30-4:00pm,12B CHEVRON
Richard Mathies, UC Berkeley
"TBA"

3/10/2011
2:30-3:30pm,12B CHEVRON
Corey Stephenson, Boston University"Photoredox catalysis: Enabling chemical synthesis with visible light"

4:00-5:30pm,12A CHEVRON
Kurt Warncke, Emory University
"Coupling of Adiabatic Reactions and Protein-Solvent Dynamics in Radical Enzyme Catalysis"

3/24/2011
2:30-4:00pm,12B CHEVRON
Vince Rotello, University of Massachusetts Amherst
"Nanoparticles in Biology: Engineering the Interface"

4:00-5:00pm,12A CHEVRON
Juergen Wagner, Novartis Institutes for BioMedical Research
"Sotrastaurin a Novel PKC Inhibitor for the Prevention of Graft Rejection and the Treatment of Psoriasis"

4/7/2011
2:30-4:00pm,12B CHEVRON
Francis DiSalvo, Cornell University
"Novel Catalysts and Catalyst Supports for Fuel Cells: Synthesis and Characterization"

4/7/2011
4:00-5:00pm,12A CHEVRON
Karin Musier-Forsyth, The Ohio State University "Characterization of Host Cell-HIV Protein-RNA Interactions as Novel Antiviral Targets"

4/14/2011
2:30-4:00pm,12B CHEVRON
Isiah Warner, Louisiana State University
"NanoGUMBOS: The Next Generation of Nanomaterials"

4/18/2011
2:30-4:30pm, 12B CHEVRON
Michael Bowers, UC Santa Barbara
"TBA"

4/19/2011
4:00-5:30pm, 12A CHEVRON
Michael Bowers, UC Santa Barbara
"TBA"

4/21/2011
2:30-3:30pm, 12B CHEVRON
Marcey Waters, University of North Carolina-Chapel Hill
"How Aromatic Interactions Control Your Genes: A Molecular View of Biomolecular Recognition"

4:00-5:30pm, 12A CHEVRON
Chung Wong, University of Missouri
"Computer-Aided Design of Drugs Targeting Protein Kinases and Phosphatases"

Continued on Page 9

ACS Energy Technology Group
Pittsburgh Section
&
The Pittsburgh Section AIChE

Tuesday, February 15, 2011

"Materials and Systems for Energy Storage: Technology and Policy"

Dr. Jay Whitacre
Assistant Professor, Departments of Materials Science & Engineering and Engineering & Public Policy at Carnegie Mellon University

Spaghetti Warehouse
26th & Smallman Streets, Strip District, Free parking behind the restaurant

Social Hour: 6:00 pm Dinner: 6:30 pm
Presentation: 7:30 pm

This talk will be divided into two parts. First, a techno-economic analysis of energy storage materials in and resulting system implantation will be considered for both stationary and transportation applications. The relationship between performance, manufacturing costs, and policy will be considered specifically for lithium-ion batteries for transportation and several grid-level stationary storage solutions. This information will be used to contextualize the second part of the presentation: a discussion covering novel materials results for energy storage, including sodium-ion intercalation metal oxides, low cost carbons, and aqueous electrolyte asymmetric batteries.

Dr. Whitacre received his BA from Oberlin College in 1994, where he graduated with Honors in Physics. He then earned his masters (1997) and PhD (1999) from the Department of Materials Science & Engineering at the University of Michigan. He was a post- doctoral scholar at the California Institute of Technology from 1999 to 2000 and subsequently became a member of the technical staff at the Jet Propulsion Laboratory in Pasadena, CA. His work there was focused on synthesizing, characterizing, and implementing materials for electrochemical devices such as batteries and fuel cells. In 2004, he was trained as a power systems engineer by the JPL systems design section. In 2007, Dr. Whitacre became an Assistant Professor at Carnegie Mellon, with a joint appointment in the Materials Science & Engineering and Engineering & Public Policy departments.

For reservations, please contact Al Mann by Monday, February 14, 2011 at alfred.mann@verizon.net. Our meetings are open to all.

The cost of the dinner is $16 including tax and gratuity. Please specify your preference from the following menu choices: •Spaghetti with meatballs •15-layer lasagne •Four-cheese manicotti •Fettuccini Alfredo •Grilled chicken Caesar salad •Also indicate special needs such as vegetarian, gluten-free, etc.

University of Pittsburgh Seminar's Continued from Page 8

4/28/2011
2:30-3:30pm, 12B CHEVRON
Todd Lowary, University of Alberta
"Protein Recognition of Bacterial Glycans Containing Furanose Residues"

4/28/2011
4:00-5:30pm, 12A CHEVRON
John Asbury, Penn State
"Pathways to More Efficient Organic Solar Cells: What We Can Learn by Watching Electrons Move in Real Time"

5/5/2011
2:30-3:30pm, 12B CHEVRON
Jared Shaw, University of California - Davis
"Multicomponent Approaches to Stereoselective Synthesis and Chemical Biology."

5/5/2011
4:00-5:30pm, 12A CHEVRON
Feng Wang, Boston University
"New Life for Simple Force Fields: Specialized Force Fields from a Transferable Protocol"

5/11/2011
4:00pm, 12 CHEVRON
Carole Bewley, NIH
"Lessons from the Sea: Exploring the Chemistry and Biology of Marine Natural Products"

5/12/2011
2:30pm, 12B CHEVRON
Carole Bewley, NIH
"From Inhibitors to Mechanism, Spying on HIV Entry"

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Spectroscopy Society of Pittsburgh

- Professional Networking within the Spectroscopy Community
- Monthly Symposia by Prominent Researchers
- Promoting Science Education

To join call Emily: 412-825-3220 ext 212

Stay up-to-date on all the happenings of the Pittsburgh Section ACS

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www.chem.cmu.edu/acs-pgh/

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Services

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Services

Volunteers Needed!

There are a number of volunteer opportunities in the Pittsburgh ACS section! If you are interested in volunteering, please contact Jim Manner at manner1@comcast.net!

Crucible Deadline

The deadline for items submitted to The Crucible is the 1st of the month prior to publication.

For example, all items for the March 2011 issue must be to the editor by February 1, 2011.

The Crucible

The Crucible is published monthly, August through May. Circulation, 2,500 copies per month. Subscription price, six dollars per year. All statements and opinions expressed herein are those of the editors or contributors and do not necessarily reflect the position of the Pittsburgh Section.

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The Crucible
A newsletter of the Pittsburgh Section of the American Chemical Society
124 Moffett Run Rd.
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Pittsburgh Area Calendar

Friday, February 4

Job Searching for Chemical Technicians
Harbor Gardens, Student Services Area Conference Rooms
Bidwell Training Center, Pittsburgh, PA

Saturday, February 5

Job Searching for Chemical Professionals
Ashe Auditorium University of Pittsburgh, Pittsburgh, PA

Monday, February 7

Society for Analytical Chemists of Pittsburgh
"New Analytical Approaches to Address Emerging Food Safety Issues"
Steven Musser, Ph.D., U.S. Food and Drug Administration (FDA)
Duquesne University, Laura Faulk Hall

Tuesday, February 15, 2011

ACS Pittsburgh Energy Technology Group
Pittsburgh Section AIChE
"Materials and Systems for Energy Storage: Technology and Policy"
Assistant Professor, Departments of Materials Science and Engineering and Engineering & Public Policy at Carnegie Mellon University
Spaghetti Warehouse, 26th & Smallman Streets, Strip District

Wednesday, February 16

Spectroscopy Society of Pittsburgh Technology Forum
"Concerns of Natural Gas Extraction from Marcellus Shale"
Dr. Conrad (Dan Volz, Jr.), University of Pittsburgh
Duquesne University, Pappert Hall in the Bayer Learning Center

Spectroscopy Society of Pittsburgh
"Rapid Analysis of Bacteria Using Mass Spectrometry-Based Proteomics"
Catherine Fenselau,University of Maryland
Duquesne University, Pappert Hall in the Bayer Learning Center

Tuesday, February 22, 2011

Carnegie Museum Small Group Guided Tour: Conservation - The Science Behind Art
Carnegie Museum of Art
Noon Meeting

Additional chemistry related seminars and events in the Pittsburgh area can be found on the Pittsburgh Section's website at http://www.chem.cmu.edu/acs-pgh/