

# TECHNICAL PROGRAM SUMMARY

## Presidential Event

PRES

*B. E. Bursten, ACS President*

Philadelphia Marriott	S	M	Tu	W	Th
Astellas USA Foundation Award Lectures in Translational Chemistry: Connecting Basic Research To Improve Human Health**	P				
Presidential Session Celebrating Division Centennials: AGFD, I&EC, ORGN & PHYS**	P				
Global Energy Challenges in the 21st Century		P			
Project SEED 40th Anniversary: Crossing Generations & Energizing Minds**		P			
Innovation & Competitiveness: Final Report of Immediate Past-President Catherine T. Hunt Task Force, 2007-08			P		
100th Anniversary Symposium* (AGFD)	D	D			
Project SEED: Cutting-Edge Research with High School Students* (CPS)		A			
Centennial of the Physical Division* (PHYS)		D	D		
Division of Organic Chemistry Centennial Symposium* (ORGN)		D			
I&EC Centennial Symposium* (I&EC)			D		

## Chemistry for Health: Catalyzing Translational Research (continued)

HEALTH

*K. Park, Program Chair*

Located with Primary Organizer	S	M	Tu	W	Th
Structural Biology of DNA Damage & Repair* (TOXI)	A				
Young Academic Investigators* (ORGN)	A				
Upstream Processing* (BIOT)	D	D	D	D	A
Biophysical & Biomolecular Symposium* (BIOT)	D	D	D	D	D
Molecular Self-Assembly* (COLL)	D	D	A	A	
Biophysical Chemistry of Transport by Biomolecular Motors & Machines* (PHYS)	D	D	A	D	
Advances in Nanomedicine 2008* (COLL)	D	D	A		
Chemistry, Texture & Flavor of Soy* (AGFD)	D	D	A		
Polymeric Delivery for Therapeutics* (POLY)	D	D	AE		
Fundamental Advances in Contemporary NMR Spectroscopy* (PHYS)	D	D	D	D	A
5th Controlled/Living Radical Polymerization Symposium* (POLY)	D	D	DE	D	D
Protein Folding Dynamics* (PHYS)	D	D	P	D	D
Novel Model Systems for Bilayer Lipid Membranes* (COLL)	D	DE			
Analytical Approaches: Bioanalytical Chemistry* (ANYL)	D				
Carbohydrate-Polymer Hybrids: Biomaterials & Therapeutics* (POLY)	D		E		
Specialty Lipids & Conjugated Fatty Acids* (AGFD)	P	A			
Flavor & Health Benefits of Small Fruits* (AGFD)	P	D	A		
Targeting Protein Kinases in Drug Design* (COMP)	P	P	P	P	P
Allosteric Kinase Inhibitors* (MEDI)	P				
Analytical Division Award Symposium* (ANYL)	P				
Astellas USA Foundation Award Lectures in Translational Chemistry: Connecting Basic Research To Improve Human Health* (PRES)	P				
Chemical Biology of Tuberculosis* (BIOL)	P				
Founders Award Symposium* (TOXI)	P				
Microbial, Molecular & Mineralogical Characteristics of Biological Metal Oxidation* (ENVR)	P				

## Chemistry for Health: Catalyzing Translational Research

HEALTH

*K. Park, Program Chair*

Located with Primary Organizer	S	M	Tu	W	Th
Pharmacology: The Forgotten Art of Drug Discovery* (COMP)	A	A			
Pyrrolic Ligands: Synthesis, Coordination & Anion Recognition Chemistry* (INOR)	A	D			
Bioinorganic Chemistry* (INOR)	AE		E	P	A
Carbohydrate-Based Drugs* (CARB)	A				
Chemical Biology* (ORGN)	A				
Chromatin Remodeling* (BIOL)	A				
New Approaches to Characterizing Small-Molecule Binding in Biological Samples* (ANYL)	A				
Quality by Design* (BIOT)	D	D			

## Chemistry for Health: Catalyzing Translational Research (continued)

HEALTH

K. Park, Program Chair

Located with Primary Organizer	S	M	Tu	W	Th
New Frontiers in Drug Delivery* (MEDI)	P				
Perlman Lecture* (BIOT)	P				
Protein Chemistry & Enzymology* (BIOL)	P				
Systems Chemical Biology: Integrating Chemistry & Biology for Network Models* (CINF)	P				
Fluorinated Biologically Active Compounds: Synthesis & Properties* (FLUO)	PE	D	D		
Biologically Related Molecules & Processes, Heterocycles, Aromatics, Materials, Devices & Switches* (ORGN)	E				
Molecular Imaging in Drug Development & Chemistry* (MEDI)		A			
Pfizer Award Symposium in Honor of Carsten Krebs* (BIOL)		A			
8th International Biorelated Polymers Symposium* (POLY)		D	DE	D	
Probe Development in Molecular Imaging & Therapy* (INOR)		D	DE		
Computation, Modeling & Molecular Visualization across the Chemistry Curriculum* (CHED)		D			
Herman Skolnik Award Symposium* (CINF)		D			
Pre- & Post-Harvest & Processing Factors Affecting Bioactive Health-Maintaining Properties* (AGFD)		P	D	D	
Symposium Honoring Victor Marquez for His Contributions to Conformational Analysis, Nucleosides, Nucleotides & Oligonucleotides* (CARB)		P	D		
Biological & Chemical Transformations of Animal Hormones & Veterinary Pharmaceuticals in Plants, Soil & Wastewater Treatment Systems* (AGRO)		P			
Chemical Biology of Epigenetics* (TOXI)		P			
From Test-Tube to Start-Up Companies* (YCC)		P			
New Approaches for the Treatment of Schizophrenia* (MEDI)		P			
Repligen Award Symposium in Honor of Hung-wen Liu* (BIOL)		P			
Selective Progesterone Receptor Modulators* (MEDI)		P			
Drug Discovery* (COMP)			A	A	
Hierarchically Organized Nanoparticle Assemblies: Learning from Biological Systems* (COLL)			A	D	D

## Chemistry for Health: Catalyzing Translational Research (continued)

HEALTH

K. Park, Program Chair

Located with Primary Organizer	S	M	Tu	W	Th
Total Synthesis of Complex Molecules* (ORGN)			A	D	
At What Point in Drug Development Do You File a Patent Application?* (CHAL)			A		
Drug Safety* (TOXI)			A		
Histamine H <sub>3</sub> Antagonists* (MEDI)			A		
NIH New Innovator Awards Symposium* (ANYL)			A		
Stem Cells* (BIOT)			A	A	A
Symposium in Honor of Bill Jencks* (BIOL)			A		
Emerging Potential of the Purinergic Signaling System* (MEDI)			A		
Macromolecular Assemblies for Biomolecules, Cells & Tissues* (PMSE)			D	D	D
Biologically Related Molecules & Processes* (ORGN)			D		
Datamining & Textmining Approaches to Drug Discovery* (CINF)			D		
Environmental, Health & Safety Aspects of Engineered Nanomaterials* (ANYL)			D		
Ionic Liquid Applications: Pharmaceutical, Therapeutics & Biotechnology* (ORGN)			D		
Near-Infrared: How Near & How Far?* (ANYL)			D		
Cytochrome P450 Structure, Function & Mechanism* (TOXI)			P		
Emerging Technologies: Synthetic Biology* (BIOT)			P		
Exploring Protein Structure & Function Using Unnatural Amino Acids* (BIOL)			P		
National Fresenius Award: Symposium in Honor of Daniel T. Chiu: Chemistry in Small Volumes* (ANYL)			P		
Peptides & Amino Acids* (ORGN)			P		
RNA Folding & Function* (BIOL)			P		
Siderophores* (GEOC)			E	D	D
Formulating Polymeric Materials in Consumer Products* (POLY)			E	P	D
Combining Computational Chemistry with Sequence-Based Bioinformatics for Structure-Function-Activity Relationships* (COMP)				A	A

\*Cosponsored symposium with primary organizer shown in parentheses; located with primary organizer.

\*\*Primary organizer of a cosponsored symposium.

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E = EVE DE = AM/PM/EVE PE = PM/EVE

# PROGRAM SUMMARY

## Chemistry for Health: Catalyzing Translational Research (continued)

### HEALTH

*K. Park, Program Chair*

Located with Primary Organizer	S	M	Tu	W	Th
ADME-Informatics: Converting Raw Data to Useful Knowledge for Drug Discovery* (CINF)				A	
Co-crystals & Crystal Engineering of Pharmaceuticals* (MEDI)				A	
Eli Lilly Award Symposium in Honor of Paul Hergenrother* (BIOL)				A	
Environmental & Human Health Impacts of Nanomaterials* (TOXI)				A	
Introducing the Achievements of the Pharmaceutical Industry into the Chemistry Curriculum* (CHED)				A	
Modulating Lipid-Metabolizing Enzymes* (MEDI)				A	
Structure- & Ligand-Based Drug Design* (MEDI)				A	
The Business End of Patent Law Developments: Is There Good News For Drug Discovery?*(CHAL)				A	
Chemical Senses & Health: 100th Anniversary of AGFD & 40th Anniversary of the Monell Center* (AGFD)				D	D
Advances in Glycoanalysis* (CARB)				D	
Combinatorial Catalysis & Screening* (ORGN)				D	
Frank H. Field & Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry: Symposium in Honor of Catherine C. Fenselau* (ANYL)				D	
Health & Environmental Impacts of Combustion-Generated Nanoparticles* (ANYL)				D	
Reduced-Risk Pesticides: Environmental Chemistry, Toxicology & Compatibility with IPM* (AGRO)				D	
Starch Utilization, Modification & New Technology* (AGFD)				D	
Technical Achievements in Organic Chemistry Award Symposium* (ORGN)				D	
BIOT Young Investigator Award Lecture* (BIOT)				P	
Downstream Processing* (BIOT)				P	
Frontiers in Chemical Biology* (BIOL)				P	
Murray Goodman Award Symposium* (BIOL)				P	
Predictive Properties* (CINF)				P	
Reconfigurable Microfluidics* (ANYL)				P	
Blood-Brain Barrier* (MEDI)				P	

## Chemistry for Health: Catalyzing Translational Research (continued)

### HEALTH

*K. Park, Program Chair*

Located with Primary Organizer	S	M	Tu	W	Th
Future of Structure-Based Drug Design for GPCR Targets* (MEDI)				P	
PHYS Poster Session*				E	
Case Histories of Array-Driven Lead Optimization* (MEDI)					A
Nucleic Acid Chemical Biology* (BIOL)					A
Flavors in Noncarbonated Beverages* (AGFD)					D

## Academic Employment Initiative

### A E I

*J. A. Bell, M. Caserio, C. Kuniyoshi, Program Chairs*

Pennsylvania Convention Center	S	M	Tu	W	Th
Academic Employment Initiative**		E			

## Division of Agricultural & Food Chemistry

### AGFD

*D. K. Weerasinghe, Program Chair*

Crowne Plaza City Center	S	M	Tu	W	Th
AGFD Division Award Symposium Honoring Donald S. Mottram	A				
Chemistry, Texture & Flavor of Soy	D	D	A		
100th Anniversary Symposium**	D	D			
Specialty Lipids & Conjugated Fatty Acids	P	A			
Flavor & Health Benefits of Small Fruits	P	D	A		
Pre- & Post-Harvest & Processing Factors Affecting Bioactive Health-Maintaining Properties		P	D	D	
Sci-Mix		E			
Sterling B. Hendricks Memorial Lectureship**			A		
James T. Grady-James H. Stack Award for Interpreting Chemistry for the Public: Symposium in Honor of Harold McGee			D		
General Papers			P		D
General Posters			P		

## Division of Agricultural & Food Chemistry (continued)

AGFD

*D. K. Weerasinghe, Program Chair*

Crowne Plaza City Center	S	M	Tu	W	Th
Chemical Senses & Health: 100th Anniversary of AGFD & 40th Anniversary of the Monell Center				D	D
Starch Utilization, Modification & New Technology				D	
Flavors in Noncarbonated Beverages					D
Presidential Session Celebrating Division Centennials: AGFD, I&EC, ORGN & PHYS* (PRES)	P				

## Division of Agrochemicals (continued)

AGRO

*K. L. Armbrust, J. J. Johnston, Program Chairs*

Crowne Plaza City Center	S	M	Tu	W	Th
New Developments & Issues in Agrochemical Sciences					D
Residential Pesticide Exposure Assessment					D
Transitioning into Green Chemistry* (CHED)		D			
Transitioning into Green Chemistry Poster Session* (CHED)		P			

## Division of Agrochemicals

AGRO

*K. L. Armbrust, J. J. Johnston, Program Chairs*

Crowne Plaza City Center	S	M	Tu	W	Th
Natural Products	D	D			
Agrochemical Residue & Metabolism Chemistry	D				
Synthesis & Chemistry of Agrochemicals	D				
Poster Session		A			
Evaluation of Agriculturally Related Chemicals: Effects on Environmental, Animal & Human Health		D	D		
Biological & Chemical Transformations of Animal Hormones & Veterinary Pharmaceuticals in Plants, Soil & Wastewater Treatment Systems		P			
Sci-Mix		E			
Bioenergy Production: Challenges, Concerns & Consequences**			D		
International Award for Research in Agrochemicals in Honor of David M. Soderlund			D		
Agricultural Best Management Practices To Protect Chesapeake Bay Water & Air Quality**				D	
Environmental Forensics**				D	
Reduced-Risk Pesticides: Environmental Chemistry, Toxicology & Compatibility with IPM				D	

## Division of Analytical Chemistry

ANYL

*I. Warner, Program Chair*

Courtyard by Marriott Downtown	S	M	Tu	W	Th
New Approaches to Characterizing Small-Molecule Binding in Biological Samples	A				
Analytical Approaches	D				D
ACS Award in Chromatography: Symposium in Honor of Frantisek Svec	P				
Analytical Division Award Symposium	P				
General Posters	E				
Visualizing Chemistry: Advances in Chemical Imaging**		A	D	D	D
ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences: Symposium in Honor of Susan V. Olesik: Professional Chemists Enhancing K-12 Science Education**		A			
Evolution of Analytical Sciences in the U.S.**	A				
Frontiers in Nanoscale Materials Analyses**	D				
Non-SEC Separations of Synthetic Polymers	D				
ACS Award in Analytical Chemistry: Symposium in Honor of Robert Mark Wightman	P				
Celebrating the Past, Predicting the Future: 25 Years of Supporting Innovation in Analytical Instrumentation	P				
NIH New Innovator Awards Symposium			A		
Environmental, Health & Safety Aspects of Engineered Nanomaterials			D		
Near-Infrared: How Near & How Far?			D		
National Fresenius Award: Symposium in Honor of Daniel T. Chiu: Chemistry in Small Volumes			P		
ACS Award for Creative Invention: Symposium in Honor of Adam Heller**				A	

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# PROGRAM SUMMARY

## Division of Analytical Chemistry (continued)

**ANYL**

*I. Warner, Program Chair*

Courtyard by Marriott Downtown	S	M	Tu	W	Th
Frank H. Field & Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry: Symposium in Honor of Catherine C. Fenselau: Chemical Innovations for Proteomics				D	
Health & Environmental Impacts of Combustion-Generated Nanoparticles**				D	
Reconfigurable Microfluidics				P	
COLL Symposium in Memory of Janos Fendler* (COLL)	D	D	A		
Transitioning into Green Chemistry* (CHED)		D			
Transitioning into Green Chemistry Poster Session* (CHED)		P			
Undergraduate Research Poster Session: Analytical Chemistry* (CHED)		P			
Environmental Forensics* (AGRO)				D	

## Division of Biochemical Technology

**BIOT**

*R. Srivastava, A. S. Rathore, A. Velayudhan, Program Chairs*

Philadelphia Marriott	S	M	Tu	W	Th
Biophysical & Biomolecular Symposium**	D	D	D	D	D
Quality by Design**	D	D			
Upstream Processing**	D	D	D	D	A
Downstream Processing	D	D	D	D	A
Perlman Lecture**	P				
E. V. Murphree Award in Industrial & Engineering Chemistry: Symposium in Honor of Georges Belfort		P			
Elmer Gaden Award Lecture		P			
Poster Session		E		E	
Stem Cells**			A	A	A
Emerging Technologies**			P	D	D
Industrial Biotechnology Awards Lecture			P		
Marvin J. Johnson Award Lecture			P		
BIOT Young Investigator Award Lecture**				P	

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## Division of Biochemical Technology (continued)

**BIOT**

*R. Srivastava, A. S. Rathore, A. Velayudhan, Program Chairs*

Philadelphia Marriott	S	M	Tu	W	Th
Astellas USA Foundation Award Lectures in Translational Chemistry: Connecting Basic Research To Improve Human Health* (PRES)	P				
Systems Chemical Biology: Integrating Chemistry & Biology for Network Models* (CINF)	P				
Probe Development in Molecular Imaging & Therapy* (INOR)		D	DE		
Undergraduate Research Poster Session: Biochemistry* (CHED)		P			
Exploring Protein Structure & Function Using Unnatural Amino Acids* (BIOL)			P		
RNA Folding & Function* (BIOL)			P		

## Division of Biological Chemistry

**BIOL**

*J. T. Stivers, Program Chair*

Philadelphia Marriott	S	M	Tu	W	Th
Chromatin Remodeling**	A				
Chemical Biology of Tuberculosis**	P				
Protein Chemistry & Enzymology	P				
Pfizer Award Symposium in Honor of Carsten Krebs		A			
Repligen Award Symposium in Honor of Hung-wen Liu**		P			
Sci-Mix		E			
Symposium in Honor of Bill Jencks**			A		
Exploring Protein Structure & Function Using Unnatural Amino Acids**			P		
RNA Folding & Function**			P		
Eli Lilly Award Symposium in Honor of Paul Hergenrother				A	
Frontiers in Chemical Biology**				P	
Murray Goodman Award Symposium**				P	
Nucleic Acid Chemical Biology**					A
Chemical Biology* (ORGN)	A				
Allosteric Kinase Inhibitors* (MEDI)	P				
Astellas USA Foundation Award Lectures in Translational Chemistry: Connecting Basic Research To Improve Human Health* (PRES)	P				
New Frontiers in Drug Delivery* (MEDI)	P				
Visualizing Chemistry: Advances in Chemical Imaging* (ANYL)		A	D	D	D



**Division of Biological Chemistry  
(continued)**
**BIOL**
*J. T. Stivers, Program Chair*

Philadelphia Marriott	S	M	Tu	W	Th
Molecular Imaging in Drug Development & Chemistry* (MEDI)		D			
Undergraduate Research Poster Session: Biochemistry* (CHED)		P			
Structure- & Ligand-Based Drug Design* (MEDI)				A	
Biophysical & Biomolecular Symposium* (BIOT)				P	D
Future of Structure-Based Drug Design for GPCR Targets* (MEDI)				P	

**Division of Business  
Development & Management**
**BMGT**
*M. L. Hurrey, Program Chair*

Loews	S	M	Tu	W	Th
Globalization: A Perspective from Executives from the U.S. & the EU**		A			

**Division of Carbohydrate  
Chemistry**
**CARB**
*D. P. Arya, Program Chair*

Radisson Plaza - Warwick	S	M	Tu	W	Th
Carbohydrate-Based Drugs	A				
Wolfrom/Isbell/New Investigator Awards Symposium	P				
Carbohydrate-Biobased Products		A			
Symposium Honoring Victor Marquez for His Contributions to Conformational Analysis, Nucleosides, Nucleotides & Oligonucleotides		P	D		
Sci-Mix		E			
General Posters			E		
Advances in Glycoanalysis				D	
General Papers					D
Carbohydrate-Polymer Hybrids: Biomaterials & Therapeutics* (POLY)	D		E		

**Division of Chemical Education**
**CHED**
*J. M. Smist, D. P. Rillema, M. Fisher, Program Chairs*

Sheraton Philadelphia City Center	S	M	Tu	W	Th
High School Program	D				
NSF-Catalyzed Innovations in the Undergraduate Curriculum	D				
Sustainability across the Chemistry Curriculum: Green Chemistry & Beyond**	D				
Alarming Shortage of Science Teachers: Model Programs for Addressing the Crisis	P				
General Posters	E				
Innovation in Nuclear Magnetic Resonance Spectroscopy in the Undergrad Curriculum	A				
Computation, Modeling & Molecular Visualization across the Chemistry Curriculum**	D				
Transitioning into Green Chemistry**	D				
New ACS Guidelines for Undergraduate Chemistry Programs**	P				
Transitioning into Green Chemistry Poster Session**	P				
Undergraduate Research Poster Sessions**	P				
Sci-Mix	E				
Successful Student Affiliates Chapters	E				
Scholarship of Teaching & Learning in Chemistry			A		
Process-Oriented Guided-Inquiry Learning (POGIL)			D		
State-of-the-Art Symposium: Density & Time-Dependent Functional Theories Financially Supported by Gaussian			D		
Advances in Teaching Inorganic Chemistry				A	
Introducing the Achievements of the Pharmaceutical Industry into the Chemistry Curriculum**				A	
Research in Chemical Education				D	
Current & Historical Perspectives on the Chemist's Teaching Tools				P	
Innovations Advancing the Interface & Closing the Gap between Basic & Higher Education				P	
Science Education & Civic Engagement: The SENCER Approach					A
Undergraduate Research: Reasons To Involve Students & Practical Suggestions for Implementation					A
General Papers					D
Disseminating Change					P

# PROGRAM SUMMARY

## Division of Chemical Education (continued)

CH ED

*J. M. Smist, D. P. Rillema, M. Fisher, Program Chairs*

Sheraton Philadelphia City Center	S	M	Tu	W	Th
Using the ACS Guidelines for Chemistry Programs in Two-Year Colleges To Enhance Chemistry Programs & To Facilitate Student Transitions* (SOCED)	A				
Helping your Local School District Effectively Manage Chemical Risk & Disposal* (CHAS)	P				
ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences: Symposium in Honor of Susan V. Olesik: Professional Chemists Enhancing K-12 Science Education* (ANYL)		A			
Fostering Scholarship & Innovation in the Chemical Sciences* (SOCED)		A			
Project SEED: Cutting-Edge Research with High School Students* (CPS)		A			
Merck Index Women in Chemistry Award Symposium* (WCC)		D			
Project SEED 40th Anniversary: Crossing Generations & Energizing Minds* (PRES)		P			
Academic Employment Initiative* (AEI)		E			
Chemist & Consumer: Women in the Pharma Industry* (WCC)			P		

## Division of Chemical Health & Safety

CH AS

*S. Wawzyniecki, D. M. Decker, Program Chairs*

Sheraton Philadelphia City Center	S	M	Tu	W	Th
Helping Your Local School District Effectively Manage Chemical Risk & Disposal**	P				
Awards Symposium		P			
Sci-Mix		E			
Chemical Safety in the Trenches			A		

## Division of Chemical Information

C I N F

*L. R. Solla, Program Chair*

Sofitel	S	M	Tu	W	Th
Pioneers of Chemical Information**	D				
Preserving Our Chemical Heritage: Cool Collections**	P				
Systems Chemical Biology: Integrating Chemistry & Biology for Network Models**	P				
CINF Scholarship for Scientific Excellence	E				
Herman Skolnik Award Symposium**		D			
Sci-Mix		E			
Datamining & Textmining Approaches to Drug Discovery**			D		
Preservation Issues for the Digital Library**			D		
General Posters			E		
ADME-Informatics: Converting Raw Data to Useful Knowledge for Drug Discovery**				A	
Predictive Properties				P	
General Papers					A
Pharmacology: The Forgotten Art of Drug Discovery* (COMP)	A	A			
Targeting Protein Kinases in Drug Design* (COMP)	P	P	P	P	P
New Frontiers in Drug Delivery* (MEDI)	P				
Molecular Imaging in Drug Development & Chemistry* (MEDI)		D			
Nontraditional Careers in Chemistry: CHAL's 25th Anniversary Series* (CHAL)		A			
Classic Books in Chemistry V: Chemical Engineering* (HIST)		D			
Chemical Biology of Epigenetics* (TOXI)		P			
Use of New Technologies in Finding Employment* (PROF)		P			
Drug Discovery* (COMP)			A	A	
Drug Safety* (TOXI)			A		
Cytochrome P450 Structure, Function & Mechanism* (TOXI)			P		
Cocrystals & Crystal Engineering of Pharmaceuticals* (MEDI)				A	
Environmental & Human Health Impacts of Nanomaterials* (TOXI)				A	
Structure- & Ligand-Based Drug Design* (MEDI)				A	

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## Division of Chemical Technicians **TECH**

*K. Hayslip, Program Chair*

Hilton Garden Inn	S	M	Tu	W	Th
Women in Chemical Technology Professions**		P			
Applied Chemical Technology & Science General Posters		E			

## Division of Chemical Toxicology **TOXI**

*K. S. Gates, Program Chair*

Loews	S	M	Tu	W	Th
Structural Biology of DNA Damage & Repair	A				
Founders Award Symposium	P				
General Papers: Young Investigator Session		A			
Chemical Biology of Epigenetics**		P			
Sci-Mix		E			
Drug Safety**			A		
Cytochrome P450 Structure, Function & Mechanism**			P		
General Posters			E		
Environmental & Human Health Impacts of Nanomaterials**				A	
General Papers				P	

## Division of Chemistry & the Law **CHAL**

*A. I. Ahmed, Program Chair*

Pennsylvania Convention Center	S	M	Tu	W	Th
Strengthening Your Patent Rights in Light of Recent Federal Circuit Court Decisions	A				
Think You May Be an Inventor for a Patent Application?	P				
Nontraditional Careers in Chemistry: CHAL's 25th Anniversary Series**		A			
Many Facets of Intellectual Property: From Procurement to Enforcement & Multimillion Dollar Damage Awards: CHAL's 25th Anniversary Series		P			
Sci-Mix		E			
At What Point in Drug Development Do You File a Patent Application?			A		

## Division of Chemistry & the Law (continued) **CHAL**

*A. I. Ahmed, Program Chair*

Pennsylvania Convention Center	S	M	Tu	W	Th
Patent Law & Protecting Chemical, Pharmaceutical & Biotechnological Inventions**			P		
Business End of Patent Law Developments: Is There Good News For Drug Discovery?***				A	
International Patent Protection: How To Go Global				P	
Many Faces of CHAL: Where Chemistry Meets the Law					D

## Division of Colloid & Surface Chemistry **COLL**

*J. Texter, Program Chair*

Loews	S	M	Tu	W	Th
Molecular Self-Assembly: Advances & Applications**	D	D	A	A	
Advances in Nanomedicine 2008	D	D	A		
COLL Symposium in Memory of Janos Fendler**	D	D	A		
Novel Model Systems for Bilayer Lipid Membranes	D	DE			
Fundamental Research in Colloid & Surface Chemistry		E			
Hierarchically Organized Nanoparticle Assemblies: Learning from Biological Systems			A	D	D
Symposium in Memory of Mike White			P	D	D
Langmuir Lecture Award Symposium			P		
Biological & Biomimetic Interfacial Electron Transfer				D	D
Polymeric Delivery for Therapeutics* (POLY)	D	D	A		
Microporous Solid Acid Catalysts* (CATL)	P				
Catalytic Synthesis & Utilization of Alcohol* (CATL)		D	A		
Frontiers in Nanoscale Materials Analyses* (ANYL)		D			
Polymeric Delivery for Therapeutics* (POLY)			E		
Catalyst & Process for Biorenewable Energy* (CATL)				A	



# PROGRAM SUMMARY

## Division of Computers in Chemistry

COMP

*J. D. Madura, E. X. Esposito, A. Roitberg, Program Chairs*

Sofitel	S	M	Tu	W	Th
Computational Approaches for Fragment Screening	A	A	A		
Quantum Chemistry	A	A	D	A	A
Pharmacology: The Forgotten Art of Drug Discovery**	A	A			
Free Energy Simulation: From Academic Research to Industrial Application	A	D	A	D	A
Molecular Mechanics	D	D	A	A	A
Challenges in Computational Chemistry**	P	P	P	P	P
Molecular Mechanics Force Field Development	P	P	P	P	P
Targeting Protein Kinases in Drug Design**	P	P	P	P	P
Emerging Technologies	P				
Sci-Mix		E			
Drug Discovery**			A	A	
Chemical Computing Group Excellence Award			E		
Hewlett-Packard Scholar Awards			E		
Poster Session			E		
Combining Computational Chemistry with Sequence-Based Bioinformatics for Structure-Function-Activity Relationships				A	A
Exploring Chemical Reactions on Multiple Time & Length Scales with QM/MM Methods**				P	P
Allosteric Kinase Inhibitors* (MEDI)	P				
Systems Chemical Biology: Integrating Chemistry & Biology for Network Models* (CINF)	P				
Herman Skolnik Award Symposium* (CINF)		D			
Datamining & Textmining Approaches to Drug Discovery* (CINF)			D		
ADME-Informatics: Converting Raw Data to Useful Knowledge for Drug Discovery* (CINF)				A	

## Division of Environmental Chemistry (continued)

ENVR

*D. D. Dionysiou, Program Chair*

Doubletree	S	M	Tu	W	Th
Microbial, Molecular & Mineralogical Characteristics of Biological Metal Oxidation**	P				
Legends of Environmental Chemistry**		D	D		
Tailored Surfaces for Environmental Remediation**		P			
Sci-Mix		E			
Processing of Organic Pollutants in Aquatic Systems: From Micropollutants to Industrial Contaminants**			A	DE	D
C. Ellen Gonter Awards**			P		
New Energy Technology					D
General Papers					E
Astellas USA Foundation Award Lectures in Translational Chemistry: Connecting Basic Research To Improve Human Health* (PRES)	P				
Biogeochemical Redox Processes in Soils & Sediments* (GEOC)		D	DE	D	
Transitioning into Green Chemistry* (CHED)		D			
Transitioning into Green Chemistry Poster Session* (CHED)		P			
Undergraduate Research Poster Session: Environmental Chemistry* (CHED)		P			
Bioenergy Production: Challenges, Concerns & Consequences* (AGRO)			D		
Agricultural Best Management Practices To Protect Chesapeake Bay Water & Air Quality* (AGRO)					D
Environmental Forensics* (AGRO)					D
Health & Environmental Impacts of Combustion-Generated Nanoparticles* (ANYL)					D

## Division of Environmental Chemistry

ENVR

*D. D. Dionysiou, Program Chair*

Doubletree	S	M	Tu	W	Th
Environmental Characterization, Impacts & Applications of Nanocarbons	A				
Emerging Technologies for a Cleaner & Sustainable Environment	D	A		E	

## Division of Fluorine Chemistry

FLUO

*D. O'Hagan, V. Soloshonok, V. A. Petrov, Program Chairs*

Pennsylvania Convention Center	S	M	Tu	W	Th
Fluorinated Biologically Active Compounds: Synthesis & Properties**	PE	D	D		

## Division of Fuel Chemistry

# FUEL

*M. M. Maroto-Valer, Program Chair*

Doubletree	S	M	Tu	W	Th
Microreactor Engineering in Fuel Science	A				
Heavy Hydrocarbon Resources	D				
Gas Hydrates & Clathrates	P				
Hydrogen Fuel Science & Technology		D	A		
Oil Shale Symposium		D			
Fuel-Cell Chemistry & Operation		P	D	D	
Sci-Mix		E			
Carbon Capture & Storage			P		
Membranes for Energy & Fuel Applications				A	
Ash & Slag Chemistry in Power Systems				P	
Fine Particulate (PM <sub>2.5</sub> ) Formation & Emissions from Fuel Combustion					A
Advances in Fuel Science & Technology					D
Microporous Solid Acid Catalysts* (CATL)	P				
Catalytic Synthesis & Utilization of Alcohol* (CATL)		D	A		
Transitioning into Green Chemistry* (CHED)		D			
Transitioning into Green Chemistry Poster Session* (CHED)		P			
Catalyst & Process for Biorenewable Energy* (CATL)				A	

## Division of Geochemistry

# GEOC

*D. B. Kent, Program Chair*

Doubletree	S	M	Tu	W	Th
Gestalt of Porous Media	D		E		
Biogeochemical Redox Processes in Soils & Sediments**		D	DE	D	
Sci-Mix		E			
Siderophores**			E	D	D
General Geochemistry Posters			E		
Microbial, Molecular & Mineralogical Characteristics of Biological Metal Oxidation* (ENVR)	P				

## Division of the History of Chemistry

# HIST

*J. S. Jeffers, S. C. Rasmussen, Program Chairs*

Hilton Garden Inn	S	M	Tu	W	Th
General Papers	D				
Classic Books in Chemistry V: Chemical Engineering**		D			
200 Years of Atoms in Chemistry: From Dalton's Atoms to Nanotechnology		P	A		
Sci-Mix		E			
Edelstein Award Honoring Sir John Rowlinson**			P		
Fundamental Advances in Contemporary NMR Spectroscopy* (PHYS)	D	D	D	D	A
100th Anniversary Symposium* (AGFD)	D	D			
Pioneers of Chemical Information* (CINF)	D				
Preserving our Chemical Heritage: Cool Collections* (CINF)	P				
Evolution of Analytical Sciences in the U.S* (ANYL)		A			
Centennial of the Physical Division* (PHYS)	D	D			
Legends of Environmental Chemistry* (ENVR)	D	D			
Preservation Issues for the Digital Library* (CINF)			D		

## Division of Industrial & Engineering Chemistry

# I & EC

*M. A. Gonzalez, Program Chair*

Radisson Plaza – Warwick	S	M	Tu	W	Th
Ionic Liquids: From Knowledge to Application	D	D	DE	D	D
Celebrating the 100th Anniversary of the <i>Journal of Industrial &amp; Engineering Chemistry Research</i>	D	D			
I&EC Centennial Symposium: 100 Years of Innovation**			D		
General Posters			E		
Environmental & Economic Metrics for Green Technologies**				A	

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# PROGRAM SUMMARY

## Division of Industrial & Engineering Chemistry (continued)

I & E C

*M. A. Gonzalez, Program Chair*

Radisson Plaza – Warwick	S	M	Tu	W	Th
Astellas USA Foundation Award Lectures in Translational Chemistry: Connecting Basic Research To Improve Human Health* (PRES)	P				
Microporous Solid Acid Catalysts* (CATL)	P				
Presidential Session Celebrating Division Centennials: AGFD, I&EC, ORGN & PHYS* (PRES)	P				
Fostering Scholarship & Innovation in the Chemical Sciences* (SOCED)		A			
Catalytic Synthesis & Utilization of Alcohol* (CATL)		D	A		
Catalyst & Process for Biorenewable Energy* (CATL)				A	

## Division of Inorganic Chemistry

I N O R

*B. T. Donovan-Merkert, D. C. Crans, Program Chairs*

Pennsylvania Convention Center	S	M	Tu	W	Th
Activation of Dinitrogen: Past, Present & Future	AE	D	A		
Pyrrolic Ligands: Synthesis, Coordination & Anion Recognition Chemistry	A	D			
Inorganic Materials in Nanoscience	AE		PE		A
Bioinorganic Chemistry	AE		E	P	A
Chemistry of Lanthanides & Actinides	A		E	P	
Coordination Chemistry	DE		E	D	
Organometallic Chemistry	DE		DE	D	A
Nanoscience	P		PE	D	A
Inorganic Catalysts	PE			A	
Synthesis & Characterization of Materials	PE			P	
General Inorganic Chemistry	P		E		A
Main Group Chemistry	P			A	
Young Investigator Symposium	P				
Chemistry of Materials	E		EA		A
Basolo Memorial Symposium	E	D			
Environmental Aspects of Inorganic Chemistry	E			A	
Fullerene Fragments & Carbon Nanotubes: Designed Synthesis, Unusual Reactions & Coordination Chemistry		A			

## Division of Inorganic Chemistry (continued)

I N O R

*B. T. Donovan-Merkert, D. C. Crans, Program Chairs*

Pennsylvania Convention Center	S	M	Tu	W	Th
Frontiers in Metal Dithiolene Chemistry		D	DE		
Probe Development in Molecular Imaging & Therapy**		D	DE		
Metals in Biochemistry**		D			
Guilty Pleasures: The Joys of Metal Complexes of Non-Innocent, Redox-Active Ligands		P	DE	D	
Sci-Mix		E			
Inorganic Nanoscience Award			A		
ExxonMobil Solid-State Chemistry Faculty Fellow Award Symposium			P		
Molecular Imaging in Drug Development & Chemistry* (MEDI)		A			
Fullerene Fragments & Carbon Nanotubes: Designed Synthesis, Unusual Reactions & Coordination Chemistry* (ORGN)		P			
Molecular Imaging in Drug Development & Chemistry* (MEDI)		P			
Siderophores* (GEOC)			E	D	D

## Division of Medicinal Chemistry

M E D I

*J. R. McCarthy, Program Chair*

Pennsylvania Convention Center	S	M	Tu	W	Th
General Oral Session	A		P		D
Graduate Predoctoral Fellow Symposium	A				
Allosteric Kinase Inhibitors**	P				
New Frontiers in Drug Delivery**	P				
General Poster Session	E			E	
Molecular Imaging in Drug Development & Chemistry**		D			
Robertson & Scarborough Awards Symposium		A			
New Approaches for the Treatment of Schizophrenia		P			
Selective Progesterone Receptor Modulators		P			
Histamine H <sub>3</sub> Antagonists			A		
Emerging Potential of the Purinergic Signaling System			A		
Modulation of Ligand-Gated Ion Channels for the Treatment of CNS Diseases			P		
Cocrystals & Crystal Engineering of Pharmaceuticals**				A	
Modulating Lipid-Metabolizing Enzymes				A	

## Division of Medicinal Chemistry (continued)

**MEDI**
*J. R. McCarthy, Program Chair*

Pennsylvania Convention Center	S	M	Tu	W	Th
Structure- & Ligand-Based Drug Design**				A	
Blood-Brain Barrier				P	
Future of Structure-Based Drug Design for GPCR Targets**				P	
Case Histories of Array-Driven Lead Optimization: Opportunities & Lessons					A
Chromatin Remodeling* (BIOL)	A				
Targeting Protein Kinases in Drug Design* (COMP)	P	P	P	P	P
Astellas USA Foundation Award Lectures in Translational Chemistry: Connecting Basic Research To Improve Human Health* (PRES)	P				
Chemical Biology of Tuberculosis* (BIOL)	P				
Systems Chemical Biology: Integrating Chemistry & Biology for Network Models* (CINF)	P				
Young Industrial Investigators* (ORGN)	P				
Fluorinated Biologically Active Compounds: Synthesis & Properties* (FLUO)	PE	D	D		
Process Chemistry* (ORGN)		A			
Merck Index Women in Chemistry Award Symposium* (WCC)			D		
Transitioning into Green Chemistry* (CHED)			D		
Transitioning into Green Chemistry Poster Session* (CHED)		P			
Undergraduate Research Poster Session: Medicinal Chemistry* (CHED)			P		
Datamining & Textmining Approaches to Drug Discovery* (CINF)				D	
Chemist & Consumer: Women in the Pharma Industry* (WCC)				P	
Patent Law & Protecting Chemical, Pharmaceutical & Biotechnological Inventions* (CHAL)				P	
Business End of Patent Law Developments: Is There Good News For Drug Discovery?*					A
Technical Achievements in Organic Chemistry Award Symposium* (ORGN)					D

## Division of Nuclear Chemistry & Technology

**NUCL**
*R. Lacey, Program Chair*

Radisson Plaza – Warwick	S	M	Tu	W	Th
Frontiers of Nuclear Chemistry Research: Graduate Student Research	P				A
25th Anniversary of the Nuclear Chemistry Summer Schools		D	A		
Symposium in Honor of the Scientific Career of John M. Alexander		D	D		
21st-Century Radiochemistry Opportunities: Nuclear Science Workforce Needs			P	A	
Research Related to the Environmental Management Mission of the Department of Energy					D
Probe Development in Molecular Imaging & Therapy* (INOR)		D	DE		

## Division of Organic Chemistry

**ORGN**
*W. J. Greenlee, S. M. Sieburth, Program Chairs*

Pennsylvania Convention Center	S	M	Tu	W	Th
Chemical Biology**	A				
Young Academic Investigators	A				
Asymmetric Reactions & Syntheses	D	A			
Metal-Mediated Reactions & Syntheses	D	A			
Heterocycles & Aromatics	D				
Tetrahedron Prize for Creativity in Organic Chemistry	P				
Young Industrial Investigators**	P				
Biologically Related Molecules & Processes, Heterocycles, Aromatics, Materials, Devices & Switches	E				
Process Chemistry**		A			
ORGN Centennial Symposium**		D			
Molecular Recognition & Self-Assembly		D			
New Reactions & Methodology		P	D	A	
Fullerene Fragments & Carbon Nanotubes: Designed Synthesis, Unusual Reactions & Coordination Chemistry**		P			

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# PROGRAM SUMMARY

## Division of Organic Chemistry (continued)

**ORGN**
*W. J. Greenlee, S. M. Sieburth, Program Chairs*

Pennsylvania Convention Center	S	M	Tu	W	Th
Physical Organic Chemistry: Calculations, Mechanisms, Photochemistry & High-Energy Species		P			
Sci-Mix		E			
Total Synthesis of Complex Molecules			A	D	
Arthur C. Cope & Arthur C. Cope Scholars Award Symposium			D		
Biologically Related Molecules & Processes			D		
Ionic Liquid Applications: Pharmaceutical, Therapeutics & Biotechnology			D		
Peptides & Amino Acids			P		
Asymmetric Reactions & Syntheses, Total Synthesis, Proteins, Peptides, Amino Acids & Enzyme Inhibitors			E		
Combinatorial Catalysis & Screening				D	
Technical Achievements in Organic Chemistry Award Symposium**				D	
Material, Devices & Switches				P	
New Reactions & Methodology, Metal-Mediated Reactions, Physical Organic Chemistry, Molecular Recognition & Self-Assembly				E	
Microwave-Assisted Chemistry: Organic & Polymer Synthesis* (POLY)	D	D			
Presidential Session Celebrating Division Centennials: AGFD, I&EC, ORGN & PHYS* (PRES)	P				
Merck Index Women in Chemistry Award Symposium* (WCC)		D			
Transitioning into Green Chemistry* (CHED)		D			
Repligen Award Symposium in Honor of Hung-wen Liu* (BIOL)		P			
Transitioning into Green Chemistry Poster Session* (CHED)		P			
Chemist & Consumer: Women in the Pharma Industry* (WCC)			P		
Microwave-Assisted Chemistry: Organic & Polymer Synthesis* (POLY)			E		
Frontiers in Chemical Biology* (BIOL)				P	
Murray Goodman Award Symposium* (BIOL)				P	
Nucleic Acid Chemical Biology* (BIOL)					A

## Division of Petroleum Chemistry

**PETR**
*Y. Wang, J. D. Allison, Program Chairs*

Doubletree	S	M	Tu	W	Th
International Symposium on Fischer-Tropsch Chemistry, Catalysts & Catalysis	D	D			
4th International Symposium on Hydrotreating/Hydrocracking Technologies			A		
Petrochemicals from Conventional & Nonconventional Sources			P	A	
Poster Session			P		
Chemistry of Petroleum & Emerging Technologies				P	A
Microporous Solid Acid Catalysts* (CATL)	P				
Catalytic Synthesis & Utilization of Alcohol* (CATL)		D	A		
Catalyst & Process for Biorenewable Energy* (CATL)				A	

## Division of Physical Chemistry

**PHYS**
*L. J. Butler, Program Chair*

Loews	S	M	Tu	W	Th
Physical Chemistry Symposium for Undergraduate Chemistry Majors	A				
Biophysical Chemistry of Transport by Biomolecular Motors & Machines	D	D	A	D	
Fundamental Advances in Contemporary NMR Spectroscopy**	D	D	D	D	A
Spectroscopic Probes of Chemical Dynamics in Gaseous & Condensed Phases	D	D	D	D	D
Water-Mediated Interactions	D	D	D	DE	D
Protein Folding Dynamics: Experiment & Theory	D	D	P	D	D
PHYS Centennial: Celebrating the Past, Embracing the Future**		D	D		
Electronic Structure of Transition-Metal Systems & Organometallics		P	D	DE	D
Sci-Mix		E			
Poster Session				E	
Challenges in Computational Chemistry* (COMP)	P	P	P	P	P
Presidential Session Celebrating Division Centennials: AGFD, I&EC, ORGN & PHYS* (PRES)	P				
Visualizing Chemistry: Advances in Chemical Imaging* (ANYL)		A	D	D	D



## Division of Physical Chemistry (continued)

PHYS

*L. J. Butler, Program Chair*

Loews	S	M	Tu	W	Th
Undergraduate Research Poster Session: Physical Chemistry* (CHED)		P			
Symposium in Honor of Bill Jencks* (BIOL)			A		
Edelstein Award Honoring Sir John Rowlinson* (HIST)			P		
RNA Folding & Function* (BIOL)			P		
ACS Award for Creative Invention: Symposium in Honor of Adam Heller* (ANYL)				A	
Exploring Chemical Reactions on Multiple Time & Length Scales with QM/MM Methods* (COMP)				P	P

## Division of Polymer Chemistry (continued)

POLY

*C. Landry-Coltrain, Program Chair*

Sheraton Philadelphia City Center	S	M	Tu	W	Th
Hybrid Nanomaterials: Impact on Modern Materials & Opportunities for Industrial Applications			E	D	D
Organic Thin Films for Photonics Applications			E	D	D
Young Industrial Investigators* (ORGN)	P				
Undergraduate Research Poster Session: Polymer Chemistry* (CHED)		P			

## Division of Polymer Chemistry

POLY

*C. Landry-Coltrain, Program Chair*

Sheraton Philadelphia City Center	S	M	Tu	W	Th
Polymeric Delivery for Therapeutics**	D	D	AE		
5th Controlled/Living Radical Polymerization Symposium**	D	D	DE	D	D
Microwave-Assisted Chemistry: Organic & Polymer Synthesis**	D	D	E		
General Papers	DE				D
Carbohydrate-Polymer Hybrids: Biomaterials & Therapeutics**	D		E		
2008 Industrial Polymer Scientist Award in Honor of S. Richard Turner		A			
Aerogels, Foams & Other Nanoporous Materials		D	DE	A	
8th International Biorelated Polymers Symposium**		D	DE	D	
Heroes of Chemistry in Materials Advanced Applications**		P			
Sci-Mix		E			
Conducting Polymers, Molecular Wires & Devices: A Tribute to Alan MacDiarmid			DE	A	
Paul J. Flory Polymer Educational Award in Honor of Frank Kelley			D		
Polymers in Flat-Panel Display Technologies**			PE		
Formulating Polymeric Materials in Consumer Products			E	P	D

## Division of Polymeric Materials: Science & Engineering

PMSE

*J. L. P. Jessop, Program Chair*

Sheraton Philadelphia City Center	S	M	Tu	W	Th
Nanoassembly: From Fundamental to Applications	D	D	A		
Responsive & Interactive Polymer Materials & Multicomponent Systems	D	D	D	A	
General Papers/New Concepts in Polymeric Materials	D		D		
ICI Student Award Symposium		A			
Roy W. Tess Award Symposium in Honor of Cliff Schoff		D			
National Starch & Chemical Co. Award for Outstanding Graduate Research in Polymer Chemistry in Honor of Nicolay V. Tsarevsky		P			
Sci-Mix		E			
Macromolecular Assemblies for Biomolecules, Cells & Tissues			D	D	D
Electroactive Polymers for Energy Conversion & Storage			P	D	D
Joint PMSE/POLY Poster Session			E		
Emulsion Polymerization				P	D
Microwave-Assisted Chemistry: Organic & Polymer Synthesis* (POLY)	D	D			
Frontiers in Nanoscale Materials Analyses* (ANYL)		D			

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**Division of Polymeric Materials: Science & Engineering (continued)**

**PMSE**

*J. L. P. Jessop, Program Chair*

Sheraton Philadelphia City Center	S	M	Tu	W	Th
Heroes of Chemistry in Materials Advanced Applications* (POLY)		P			
Undergraduate Research Poster Session: Polymer Chemistry* (CHED)		P			
Polymers in Flat-Panel Display Technologies* (POLY)			PE		
Microwave-Assisted Chemistry: Organic & Polymer Synthesis* (POLY)			E		

**Division of Professional Relations**

**PROF**

*R. D. Libby, Program Chair*

Loews	S	M	Tu	W	Th
Use of New Technologies in Finding Employment**		P			
Globalization: A Perspective from Executives from the U.S. & the EU* (BMGT)			A		
Merck Index Women in Chemistry Award Symposium* (WCC)			D		
Academic Employment Initiative* (AEI)			E		
Chemist & Consumer: Women in the Pharma Industry* (WCC)			P		

**Division of Small Chemical Businesses**

**SCHB**

*J. H. Lauterbach, Program Chair*

Hilton Garden Inn	S	M	Tu	W	Th
Success Factors for a Consulting Practice in Chemistry			D		
Geographical, Legal & Business Factors in Starting a New Chemical Consulting Business				A	
Sharing New Ideas among Small Chemical Businesses				P	

**Catalysis & Surface Science Secretariat**

**CATL**

*C. Peden, Secretary General, B. Zhou, Program Chair*

Radisson Plaza – Warwick	S	M	Tu	W	Th
Microporous Solid Acid Catalysts**	P				
Catalytic Synthesis & Utilization of Alcohol**			D	A	
Catalyst & Process for Biorenewable Energy**					A

**Committee on Chemists with Disabilities**

**C W D**

*J. Landis, Program Chair*

Located with Primary Organizer	S	M	Tu	W	Th
Academic Employment Initiative* (AEI)			E		

**Committee on Corporation Associates**

**CORP**

*R. L. White, Program Chair*

Located with Primary Organizer	S	M	Tu	W	Th
Project SEED: Cutting-Edge Research with High School Students* (CPS)			A		
Transitioning into Green Chemistry* (CHED)				D	
Heroes of Chemistry in Materials Advanced Applications* (POLY)				P	
Project SEED 40th Anniversary: Crossing Generations & Energizing Minds* (PRES)				P	
Transitioning into Green Chemistry Poster Session* (CHED)				P	

## Committee on Environmental Improvement

C E I

*E. Warren, Program Chair*

Located with Primary Organizer	S	M	Tu	W	Th
Sustainability across the Chemistry Curriculum: Green Chemistry & Beyond* (CHED)	D				
Transitioning into Green Chemistry* (CHED)		D			
Transitioning into Green Chemistry Poster Session* (CHED)		P			

## Committee on Minority Affairs

C M A

*M. G. V. Rosenthal, Program Chair*

Located with Primary Organizer	S	M	Tu	W	Th
Project SEED: Cutting-Edge Research with High School Students* (CPS)		A			
Merck Index Women in Chemistry Award Symposium* (WCC)		D			
Project SEED 40th Anniversary: Crossing Generations & Energizing Minds* (PRES)		P			
Academic Employment Initiative* (AEI)		E			
Chemist & Consumer: Women in the Pharma Industry* (WCC)			P		

## Committee on Economic & Professional Affairs

C E P A

*W. H. Batschelet, Program Chair*

Located with Primary Organizer	S	M	Tu	W	Th
Use of New Technologies in Finding Employment* (PROF)		P			
Academic Employment Initiative* (AEI)		E			

## Committee on Project SEED

C P S

*J. P. Bays, Program Chair*

Philadelphia Marriott	S	M	Tu	W	Th
Project SEED: Cutting-Edge Research with High School Students**		A			
Project SEED 40th Anniversary: Crossing Generations & Energizing Minds* (PRES)		P			

## Committee on Local Section Activities

L S A C

*W. E. Jones Jr., Program Chair*

Located with Primary Organizer	S	M	Tu	W	Th
Project SEED: Cutting-Edge Research with High School Students* (CPS)		A			
Project SEED 40th Anniversary: Crossing Generations & Energizing Minds* (PRES)		P			

## Committee on Professional Training

C P T

*W. F. Polik, Program Chair*

Located with Primary Organizer	S	M	Tu	W	Th
New ACS Guidelines for Undergraduate Chemistry Programs: Promoting Excellence & Innovation* (CHED)		P			
Academic Employment Initiative* (AEI)		E			

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# PROGRAM SUMMARY

## Committee on Science

COMSCI

*D. J. Nelson, Program Chair*

Located with Primary Organizer	S	M	Tu	W	Th
Fostering Scholarship & Innovation in the Chemical Sciences* (SOCED)		A			

## Society Committee on Education

SOCED

*B. Balazs, Program Chair*

Sheraton Philadelphia City Center	S	M	Tu	W	Th
Using the ACS Guidelines for Chemistry Programs in Two-Year Colleges To Enhance Chemistry Programs & To Facilitate Student Transitions**	A				
Global Change Symposium	P				
Clean Energy Symposium		A			
Eminent Scientist Lecture		A			
Fostering Scholarship & Innovation in the Chemical Sciences**		A			
Project SEED: Cutting-Edge Research with High School Students* (GPS)		A			
Project SEED 40th Anniversary: Crossing Generations & Energizing Minds* (PRES)		P			
Undergrad Research Poster Sessions* (CHED)		P			
Academic Employment Initiative* (AEI)		E			

## Women Chemists Committee

W C C

*A. S. Hinkle, J. M. Iriarte-Gross, Program Chairs*

Loews	S	M	Tu	W	Th
Merck Index Women in Chemistry Award Symposium**		A			
Merck Index Women in Chemistry**		P			
Chemist & Consumer: Women in the Pharma Industry**			P		
Project SEED: Cutting-Edge Research with High School Students* (GPS)		A			
Metals in Biochemistry* (INOR)		D			
From Test-Tube to Start-Up Companies* (YCC)		P			
Project SEED 40th Anniversary: Crossing Generations & Energizing Minds* (PRES)		P			
Use of New Technologies in Finding Employment* (PROF)		P			
Women in Chemical Technology Professions* (TECH)		P			
Academic Employment Initiative* (AEI)		E			
C. Ellen Gonter Awards* (ENVR)			P		
Opportunities & Challenges for Non-Tenure Track Faculty* (YCC)				P	

## Younger Chemists Committee

Y C C

*G. T. MaGee, Program Chair*

Loews	S	M	Tu	W	Th
Getting Your First Industrial Job	P				
From Test-Tube to Start-Up Companies**		P			
Opportunities & Challenges for Non-Tenure Track Faculty**				P	
Project SEED: Cutting-Edge Research with High School Students* (GPS)		A			
Merck Index Women in Chemistry Award Symposium* (WCC)		D			
Project SEED 40th Anniversary: Crossing Generations & Energizing Minds* (PRES)		P			
Chemist & Consumer: Women in the Pharma Industry* (WCC)			P		
C. Ellen Gonter Awards* (ENVR)			P		

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