

# **ACS Fall 2019 National Meeting**

Divisions issue calls for papers for the Aug. 25–29 meeting in San Diego

alls for papers for the ACS Fall 2019 National Meeting and Exposition (Aug. 25–29) have been issued. The preliminary program for the meeting in San Diego will be published in the June 24 issue of C&EN; the official meeting program will appear in the ACS Meetings and Events mobile app.

ACS's online Meeting Abstracts Programming System (MAPS) is now open for San Diego abstracts. Visit MAPS at maps. acs.org for abstract submission. In order to present at the meeting, presenters will be required to register for the fall 2019 national meeting. Failure to register for the meeting will result in withdrawal of abstracts from the meeting program, technical programming archive, and CAS database.

The society bylaw governing presentation of papers appears below.

## Society bylaws governing papers

Bylaw VI, section 6, governs presentation at society meetings.

a. The term "paper" shall include any scientific presentation that can be reduced to writing.

b. No paper shall be presented at a national, regional, divisional, or other major meeting unless its title and author(s) appear on the program for the meeting. However, the President, with the concurrence of either the Chair of the Board of Directors or the Vice-Chair of the Council Policy Committee, may authorize an extraordinary symposium at a national meeting provided that

the symposium has as its primary focus significant scientific developments too recent for programming deadlines, and
 the request for authorization for such a symposium has been made jointly by a member of the SOCIETY and one of the following: the Chair of a relevant Division of the SOCIETY, the Chair of the Committee on Divisional Activities, or the Chair of the Committee on Science.

c. No paper by a chemical scientist residing in the United States who is not a member of the SOCIETY shall appear on the program of a national, regional, divisional, or other major meeting of the SOCIETY unless it be a joint paper with one or more SOCIETY members, or unless for a national, regional, or national-divisional meeting the author has been invited to present the paper at a symposium organized by a Division of the SOCIETY or by Sections of the SOCIETY, and the Chair of such Division or of the host Section has certified to the Executive Director of the SOCIETY prior to publication of the program that presentation by the author of such paper is important to the success of the symposium.

d. Rules corresponding to paragraphs a, b, and c of this section for a cooperative meeting shall be subject to agreement in advance between the organizations concerned but should conform, insofar as possible, to this Bylaw and be subject to approval by the Executive Director of the SOCIETY.

e. The SOCIETY assumes no responsibility for the statements or opinions expressed by individuals in papers or discussions thereof.

f. The President shall have authority to exclude any paper from a program at any time prior to its scheduled presentation at a meeting of the SOCIETY. Board Regulation V, number 3, supplements Bylaw VI, section 6, as follows:

a. Authorship of papers shall be accredited only to individuals and not to companies or laboratories.

b. Therapeutic Papers. It is the policy of the SOCIETY to encourage the presentation of chemical papers with pharmacological and physiological aspects, but to discourage presentation, by other than qualified clinical investigators, of papers in which clinical interpretations are the principal contribution. All Divisions and other programming units shall adhere to this policy when determining the acceptability of papers for their meeting programs. The Divisions and other programming units also are urged to exclude from their programs, and especially from any abstracts issued, statements recommending procedures for the treatment of human disease or announcement of any "cures" not confirmed by competent medical authority. Any author contributing a paper that includes discussion of the treatment of human disease must submit for review, by representatives of the appropriate Division or other programming unit, a complete manuscript in addition to an abstract.

**Notes:** Submission of papers for presentation at an ACS meeting does not constitute submission for publication in an ACS journal. Regulations for the acceptance of

# Deadlines for abstract submission for the fall 2019 national meeting, Aug. 25–29

All dates are preliminary. The final dates approved by the divisions are on the abstract submission site, maps.acs.org.

DIVISION	DATE	DIVISION	DATE	DIVISION	DATE	COMMITTEE	DATE
AGFD	March 18	CINF	March 18	INOR	March 18	CEI	а
AGRO	March 20	TOXI	March 18	MEDI	March 18	CMA	а
ANYL	March 18	CHAL	March 25	NUCL	March 18	COMSCI	March 25
BIOT	а	COLL	March 25	ORGN	March 25	IAC	n/a
BIOL	March 18	COMP	March 25	PHYS	March 18	SOCED	March 25
BMGT	March 18	ENFL	March 18	POLY	March 18	WCC	March 22
CARB	March 18	ENVR	March 18	PMSE	March 18	YCC	n/a
CATL	March 25	FLUO	а	PROF	n/a		
CELL	March 18	GEOC	March 18	RUBB	а		
CHED	March 18	HIST	March 25	SCHB	March 21		
CHAS	March 25	I&EC	March 18	MPPG	March 18		

Note: "a" means will not host symposia, and "n/a" means not available at press time.

papers to be presented as part of divisional meetings vary for each division. However, publication of papers in ACS journals is based on the earliest date of receipt of the complete paper by the appropriate editor.

The council has empowered division

officers to request any paper in advance so they can pass upon it and indicate to the author whether to read the entire paper or abstract it to allow time for discussion.

Special attention should be given to the misuse of trade names, secret formulas, or

secret processes in papers at national meetings of the society.

It is requested that authors avoid the use of trade names in papers presented at ACS meetings. Chairs are responsible for enforcing this policy.

### San Diego, Aug. 25–29

#### MULTIDISCIPLINARY PROGRAM PLANNING GROUP

#### MEETING THEME: CHEMISTRY AND WATER

Program chair: E. Fox, Savannah River National Laboratory, elise.fox@srnl. doe.gov; C. Avery, National Council for Science and the Environment, christopher.avery@gmail.com

Abstracts due March 18.

- Chemistry and Water Opening Session (cosponsored with CEI, ENVR, and PRES). E. Fox, elise.fox@srnl.doe.gov; C. Avery, christopher.avery@gmail.com
- The Fred Kavli Innovations in Chemistry Lecture (cosponsored with PRES). B. Charpentier, pres@acs.org; A. Collins, a\_collins@acs.org
- The Kavli Foundation Emerging Leader in Chemistry Lecture (cosponsored with PRES). B. Charpentier, pres@acs.org; A. Collins, a\_collins@acs.org
- Chemistry and Water: Poster Session (cosponsored with CEI, ENVR, and PRES). C. McInnis, christie.mcinnis@gmail.com

Humanitarian Issues in Chemistry (cosponsored with CEI, ENVR, and PRES). R. Grosse, rondagrosse@ chemistswithoutborders.org

#### AGRICULTURAL AND FOOD CHEMISTRY

Program chair: L. Yu, U of Maryland, Dept. of Nutrition and Food Science, Iyu5@umd.edu; X. Fan, US Dept. of Agriculture, Agricultural Research Service, Eastern Regional Research Center, xuetong.fan@ars.usda.gov

Abstracts due March 18.

- Agnes Rimando Memorial International Student Symposium. M. Tunick, mht39@ drexel.edu; R. Tardugno, roberta.tardugno@ gmail.com; M. Granvogl, michael.granvogl@ ch.tum.de; B. Gao, gaoboyan0717@163. com
- Agnes Rimando Memorial Symposium. J. Leland, jlelandenterprises@gmail.com; K. Mahattanatawee, kanjana.mee@gmail. com; W. Yokoyama, wally.yokoyama@ars. usda.gov; L. Yu, lyu5@umd.edu
- Aqueous, Neat, and Organic Media for the Utilization of Agro-Based Materials. H. N. Cheng, hn.cheng@ars.usda.gov; M. Appell, michael.appell@ars.usda.gov; A. Biswas, atanu.biswas@ars.usda.gov Chang, sechin.chang@ars.usda.gov
- Chemistry of Traditional Chinese Medicine. W. Yokoyama, wally.yokoyama@ars.usda. gov; X. Wu, xianli.wu@ars.usda.gov; J. Guo, guo596@163.com

- Edible Functional Food Packaging from Agricultural Biomacromolecules. L. Chen, lingyun.chen@ualberta.ca; X. Liu,
- liuxh@whu.edu.cn Food Bioactives: Chemistry and Health Effects. C. Udenigwe, cudenigw@uottawa. ca; F. Shahidi, fshahidi@gmail.com
- Food Phenolics: From Bitterness and Astringency to Health-Promoting Properties.
- C. O. Roa, cosorior@unal.edu.co; K. G. J. Lee, kwglee@dongguk.edu; Y. Wang, yu.wang@ufl.edu
- Functional Foods: The Chemistry, Bioactivity, Bioavailability, and Biomarkers of Dietary Phytochemicals. S. Sang, ssang@ ncat.edu; Y. Zhu, yzhu1@ncat.edu; J. Daily, jdaily3@yahoo.com
- General Papers (oral and poster submissions). Innovative Approaches to Enhancing Food Safety and Reducing Food Waste. T. Jin, tony,iin@ars.usda.gov; M. Guo, mingquo@
- zju.edu.cn Metals and Trace Elements in Food Safety, Health, and Food Quality. L. Jackson, lauren.jackson@fda.hhs.gov; D. Redan, benjamin.redan@fda.hhs.gov
- Nanotechnology Applications for Food and Agriculture. B. Park, bosoon.park@ars. usda.gov; S. Nam, sunghyun.nam@ars. usda.gov; T. Duncan, timothy.duncan@ fda.hhs.gov
- Novel Structures from Food Biopolymers for Delivery of Bioactive Components. Q. Wang, wangqin@umd.edu; A. Luo, yangchao.luo@uconn.edu; Y. Zhang, yazhana2006@situ.edu.cn
- Nutrition, Diet, Functional Foods in Health. L. Liu, linshu.liu@ars.usda.gov; M. Kobori, kobori@affrc.go.jp; I. Yoshihiro, y-ito@riken. jp; D. Ren, dxren@zju.edu.cn; W. Chen, zjuchenwei@zju.edu.cn
- Proposition 65 on Food Safety. M. Granvogl, michael.granvogl@ch.tum.de; S. Mac-Mahon.shaun.macmahon@fda.hbs.gov
- Teaching and Learning Food Chemistry and Analysis. M. Tunick, mht39@drexel.edu; E. Choe, ericchoe88@gmail.com
- The Chemistry of Aged Beer and Spirits. N. Flynn, nflynn@wtamu.edu; B. Schneider, bmschnei@hotmail.com The Flavor of Water: Chemistry, Quality, and
- Sensory. L. Kreger, liz.kreger@pepsico. com; T. Shao, tony.shao@pepsico.com; G. K. Jayaprakasha, gkjp@tamu.edu; Y. Wang, yu.wang@ufl.edu; K. Cadwallader, cadwlldr@illinois.edu
- The Role of the Microbiome in Mediating Health Effects of Dietary Components. H. Xiao, hangxiao@foodsci.umass.edu; G. Zhang, guodongzhang@umass.edu

#### AGROCHEMICALS

Program chair: C. B. Cleveland, BASF, Global Consumer Safety, cheryl. cleveland@basf.com

Abstracts due March 20.

- 2019 ACS International Award for Research in Agrochemicals: Advances in the Physiology and Biochemistry of Insect Control (cosponsored with BIOL and MEDI). M. David, michael.david@basf.com; K. Wing. kdw85@verizon.net
- Advances in Analytical Technologies Supporting Environmental Fate, Metabolism, and Residue Analysis (cosponsored with ENVR; oral and poster submissions). K. Kuppannan, kkuppannan@dow.com; M. Ma, mma3@dow.com; Y. Yuan, yang.yuan@ fmc.com
- Advances in Exposure Modeling for Human Health Assessments (cosponsored with TOXI; oral and poster submissions). A. Z. Szarka, arpad.szarka@syngenta.com; J. Tang, jane-zhenxu.tang@bayer.com
- Advances in Spray Drift Deposition Characterization and Measurement (cosponsored with ENVR; oral and poster submissions). D. Perkins, perkinsd@waterborne-env.com; G. Goodwin, goodwing@waterborne-env. com; J. Perine, jeff.perine@syngenta. com; G. Kruger, greg.kruger@unl.edu
- Agrochemical Residue and Metabolism Chemistry (oral and poster submissions). J. J. Johnston, john j.johnston@aphis.usda. gov; K. Mastovska, katerinamastovska@ eurofinsus.com; D. Smith, david.j.smith@ ars.usda.gov; X. Zhou, xzhou5@dow.com
- Agrochemicals and Water: Advances in Prevention, Monitoring, and Treatment (cosponsored with ENVR; oral and poster submissions). S. Mathys, smathys@eag. com; H. Irrig, heidi.irrig@syngenta.com
- Analytical Methodologies for Process Chemistry and Formulation Research (cosponsored with ENVR; oral and poster submissions). D. Knueppel, daniel. knueppel@corteva.com; M. Evenson, mary. evenson@corteva.com; N. Y. Shi, nancy. shi@syngenta.com
- Analytical, Environmental and Regulatory Challenges with Legalized Cannabis (cosponsored with MEDI; oral and poster submissions). J. M. Clark, jclark@vasci. umass.edu; K. L. Armbrust, armbrust@lsu. edu; T. Vu, thuy@thuyvuconsulting.com; L. Engelking, lezil@focusstandards.org
- Biostimulants in Agriculture: Chemistry and Regulatory Aspects (cosponsored with BIOL, MEDI, and TOXI; oral and poster submissions). M. Koivunen, mekoivunen@ gmail.com; P. Halarnkar, phalarnkar@chbio. com; K. Wing, kdw85@verizon.net
- Breaking Chemistry Barriers to Feed the World (oral and poster submissions).

H. Irrig, heidi.irrig@syngenta.com; L. Rossi, rluisa1@aol.com; C. Tiu, tcarmen@dow.com

- Challenges and Opportunities Facing Early-Career Scientists: Early-Career Scientist Symposium (cosponsored with BIOL; oral and poster submissions). S. Whiting, swhiting@eag.com; X. Zhou, xzhou5@dow.com
- Characterizing the Nature of Biphasic Sorption and Implications for Water-Quality Risk Assessment (cosponsored with ENVR; oral and poster submissions). S. Z. Cohen, ets@ets-md.com; W. Chen, wenlin. chen@syngenta.com; P. Sharma, prasesh. sharma@dupont.com; W. M. Williams, williamsm@waterborne-env.com
- Creative Thinking in Designing Efate Studies and Data Analysis to Meet Agrochemical Regulatory Challenges (cosponsored with ENVR; oral and poster submissions). C. Fang, chengwei,fang@ dupont.com; A. Sharma, ashok.k.sharma@ dupont.com; M. Zhang, minli.zhang@ fmc.com
- CRISPR/Gene Editing and RNAi: Utilization for Enhanced Crop Production (cosponsored with BIOL; oral and poster submissions). P. Reibach, preibach@smithers.com; M. Ruebelt, martin.ruebelt@bayer.com
- Development of Novel Vector Control Technologies (cosponsored with MED); oral and poster submissions). E. Norris, ej.norris@ufl. edu; A. D. Gross, adgross@vt.edu; D. Swale, dswale@agcenter.lsu.edu
- Development of Residue Analytical Methods: Regulatory Trends and Phases from Metabolism to Residue Analysis (oral and poster submissions). M. Saha, manasi. saha@basf.com; S. Perez, sp@adpen.com
- Distributed and Spatially Explicit Exposure Modeling: Advances, Techniques, and Frameworks (cosponsored with COMP; oral and poster submissions). A. Jacobson, jacobsona@waterborne-env.com; D. Perkins, perkinsd@waterborne-env.com
- Environmental Fate, Transport, and Modeling of Agriculturally Related Chemicals (oral and poster submissions). R. Warren, ralph.warren@basf.com; S. Jackson, scott.jackson@agrodiv.org
- Flooded Agriculture: Field Studies and Modeling (cosponsored with ENVR; oral and poster submissions). A. Ritter, rittera@ waterborne-env.com; W. M. Williams, williamsm@waterborne-env.com
- Formulating Complex Agrochemical Mixtures (oral and poster submissions). J. Whitteck, john.whitteck@bayer.com; R. Acosta, racostamado@dow.com; B. Rauzan, bmrauzan@dow.com;

Researchers supported by grants or contracts from the US Department of Defense are required to submit proposal abstracts and manuscripts for review by DOD if so specified in the grant or contract. It is the responsibility of the authors to secure approval when necessary and to indicate to program chairs that approval has been obtained or is expected. ACS NEWS

High-Throughput Approaches to Support Pesticide Discovery and Development (oral and poster submissions). K. Lynn, kari.lynn@corteva.com; L. Riter, leah.riter@bayer.com; M. Zhang, minli. zhang@fmc.com

Higher-Tier Exposure Modeling in Groundwater within the Regulatory Framework (cosponsored with ENVR; oral and poster submissions). P. Sharma, prasesh.sharma@ dupont.com; S. Qiu, sqiu@knoell.com

Incorporating the Benefits of Vegetative Filter Strips into Risk Assessment and Risk Management of Pesticides (cosponsored with ENVR; oral and poster submissions). L. McConnell, laura. mcconnell(@bayee.com

Innovative Approaches to Managing the Interface between Pesticide Use and Nontarget Species Habitat Protection (cosponsored with ENVR; oral and poster submissions). A. Frank, afrank@ complianceservices.com; L. Moreno, pmoreno@cdpr.ca.gov; A. Beehler, angela@ mosquito control.org

Interpreting, Communicating, and Managing Risk in the FIFRA/ESA Regulatory Setting (oral and poster submissions). B. McGaughey, bmcgaughey@ complianceservices.com

Legal Challenges and Landmark Lawsuits in Agrochemicals (oral and poster submissions). R. Bennett, rodbennett@aol.com; J. V. Emon, vanchemistl@netzero.net; A. Coates, awecoates@gmail.com

Linking Risk to Regulatory, Stewardship, and Agriculture Production Outcomes: A Paradigm Shift (cosponsored with ENVR; oral and poster submissions). J. L. Bickel, bickelj@waterborne-env.com; W. White, whitew@waterborne-env.com; B. Monaghan, bmonaghan@heronpacific. com

Metabolomics and Metabolite Identification in Agricultural Research (oral and poster submissions). J. Balcer, jesse.balcer@ corteva.com; A. Chen, amanda.chen1@ bayer.com; J. Ferguson, jferguson@ smithers.com; P. Wei, pu.wei@bayer.com

New Herbicides and Their Modes of Action (oral and poster submissions). S. O. Duke, stephen.duke@ars.usda.gov; F. Dayan, franck.dayan@colostate.edu; T. Stevenson, thomas.stevenson@fmc.com

Next-Generation Watershed Modeling of Agrochemicals (cosponsored with ENVR; oral and poster submissions). N. Peranginangin, natalia.peranginangin@ syngenta.com; N. Thurman, thurman. nelson@epa.gov; M. Winchell, mwinchell@ stone-env.com

Novel Applications of Mathematics, Statistics, and Modeling to Agrochemical Problems (cosponsored with COMP; oral and poster submissions). J. Purdy, john@ abacuscsl.com; W. Chen, wenlin.chen@ syngenta.com; K. Schnelle, kschnelle@ dow.com; W. Al-Akhdar, walid.al-akhdar@ basf.com

Off-Target Transport of Field-Applied Agricultural Chemicals: Study Designs, Monitoring, Modeling, and Risk Assessment (cosponsored with ENVR; oral and poster submissions). S. Grant, shanique. grant@syngenta.com; A. Ritter, rittera@ waterborne-env.com; Q. Yao, qiyao17@ umd.edu

Pest Management Economics: Present and Future Considerations (cosponsored with BMGT; oral and poster submissions). L. Duzy, Iduzy@complianceservices.com; M. Dobbs, michael.dobbs@bayer.com

#### Plant-Insect-Microbe Communications in Agriculture Part 1: Early-Career

Scientist Symposium (oral and poster submissions). N. Tabanca, nurhayat. tabanca@ars.usda.gov; P. E. Kendra, paul. kendra@ars.usda.gov; J. Niogret, niogret. ecology.consulting@gmail.com

Plant-Insect-Microbe Communications in Agriculture Part 2: General Session (cosponsored with BIOL; oral and poster submissions). N. Tabanca, nurhayat. tabanca@ars.usda.gov; P. E. Kendra, paul. kendra@ars.usda.gov; J. Niogret, niogret. ecology.consulting@gmail.com

Pollinators in Agroecosystems: Current Science Issues and Risk Assessment Approaches (cosponsored with ENVR; oral and poster submissions). J. Purdy, john@ abacuscsl.com; C. Douglass, douglass. cameron@epa.gov; V. Kramer, vince. kramer@corteva.com; A. Krueger, annie. krueger@huskers.unl.edu

Process Research and Development in Crop Protection (oral and poster submissions). Q. Yang, qyang1@dow.com; K. Gray, kcgray@dow.com; W. Su, wen.su@ bayer.com

Simulating Fumigant Transport and Emissions: The Evolving Role of Modeling in California Regulations (cosponsored with ENVR; oral and poster submissions). E. Vidrio, edgar.vidrio@cdpr.ca.gov; S. Krepich, scottk@phenomenex.com

Sink or Swim: Chemical Mobility at the Water-Sediment Interface (cosponsored with ENVR; oral and poster submissions). W. M. Williams, williamsm@waterborne-env.com; A. K. Sharma, ashok.k.sharma@dupont. com; W. Chen, wenlin.chen@syngenta.com; R. Lomax, rlomax@eaq.com

Spencer Award Winner and Related Presentations. S. Leibowitz, sarah. leibowitz@delaval.com

Successes, Failures, and Lessons Learned in Agrochemical Exposure and Risk Assessment Communication (cosponsored with CINF; oral and poster submissions). D. Barrett, barrett.dena@epa. gov; M. Sharpe, michelle.joanne.sharpe@ basf.com; W. M. Williams, williamsm@ waterborne-env.com

Surfactant and Colloid Science Applied to Formulations (oral and poster submissions). R. Acosta, racostaamado@ dow.com; B. Rauzan, bmrauzan@dow. com; S. Sumulong, solito.sumulong@ cpsagu.com

To GLP or Not? How-Tos for the AGRO Professional (cosponsored with COLL; oral and poster submissions). K. Watson, kwatson@stone-env.com; C. Lee, leecomplianceassessments@gmail.com

To Infinity and Beyond: The Dangers of Hyperconservative Exposure Modeling in Risk Assessment (oral and poster submissions). S. Teed, steed@intrinsik. com; D. Moore, dmoore@intrinsik.com

Transfer of Analytical Methods: The Good, the Bad, and the Ugly (oral and poster submissions). L. Riter, leah.riter@bayer. com; R. M. Bennett, rodbennett@aol.com; K. Clark, kclark@eag.com; J. Foster, james. foster@valent.com Unmanned Aerial Vehicles (aka Drones):

Pesticide Spraying and Other Agricultural Applications (cosponsored with ENVR; oral and poster submissions). J. Perine, jeff.perine@syngenta.com; A. Jacobson, jacobsona@waterborne-env. com Water Scarcity: Challenges for Agriculture (cosponsored with ENVR; oral and poster submissions). J. Carvalho, jcarvalho@ knoell.com; J. Seiber, jnseiber@ucdavis.edu; T. Moate, tmoate@gplabs.com

What Does Nanotechnology Have to Do with Agriculture? (cosponsored with COLL; oral and poster submissions). S. J. Kweskin, sasha.kweskin@bayer.com; J. Hughes, jeffrey.hughes1@bayer.com

#### ANALYTICAL CHEMISTRY

Program chair: K. Agnew-Heard, Altria Client Services, Innovative Product Sciences, kimberly@acsanalytical.org; M. F. Bush, U of Washington, Dept. of Chemistry, mattbush@acsanalytical. org

Abstracts due March 18.

Advances in Electrochemistry. Advances in Fluorescence and Bioluminescence Imaging Probes. H. Ai, huiwang.

ai@gmail.com Advances in Mass Spectrometry.

Advances in Spectroscopy.

Advances in Wearable and Implantable Sensors. L. Deravi, I.deravi@northeastern.edu; M. Daniele, mdaniel6@ncsu.edu

Analytical Division Poster Session. K. Agnew-Heard, kimberly@acsanalvtical.org

Biosensing: New Strategies and Latest Development (oral and poster submissions). Q. J. Cheng, quan.cheng@ucr.edu

Chemometric Analysis for Aqueous Sample. Y. Xu, xxu56@crimson.ua.edu; X. Liang, xliang19@crimson.ua.edu; T. Mako, tmako17@uri.edu; X. Yao, xyao6@crimson. ua.edu

Connecting Safety, Education, Training, and Productivity in Analytical Laboratories (cosponsored with CHAS). J. Maclachlan, pidgirl@gmail.com; C. Incarvito, chris. incarvito@vale.edu

Exploration of the Nano-Bio Interface with Analytical Tools. W. Zhong, wenwan. zhong@ucr.edu

From Antibody-Based to Mass Spectrometry-Based Analysis of Emerging Contaminants in Water: Advances and Future Trends (oral and poster submissions). R. Schneider, rudolf.schneider@bam.de; D. S. Aga, dianaaga@buffalo.edu

Groundwater Contamination, Remediation, and Treatment Approaches (oral and poster submissions). T. Jindal, tjindal@ amity.edu

Identification and Design of Catalytic Sites in Electrochemical Reactions. H. Wang, hailiang.wang@yale.edu; Y. Liang, liang. yy@sustc.edu.cn; C. Liu, chongliu@chem. ucla.edu

Interface between Experiments and Modeling in Unraveling the Physical and Chemical Properties of Charged Droplets. S. Constas, sconstas@uwo.ca; S. Xantheas.sotiris.xantheas@pnnl.gov

Mass Spectrometry of Biomolecular Assemblies. J. Prell, jprell@uoregon.edu; M. Marty, mtmarty@email.arizona.edu

Measuring Protein Conformations and Folding inside the Cell. J. Genereux, josephg@ ucr.edu

Metabolomics in Forensics: Applications, Technical Barriers, and Emerging Approaches for Chemical Identification Using In Silico Reference Libraries. D. Wunschel, david.wunschel@pnnl.gov; T. Metz, thomas.metz@pnnl.gov Nanozymes for Bioanalysis and Beyond (oral and poster submissions). H. Wei, weihui@ nju.edu.cn

Structure at Solid-Liquid Interfaces: Effects of Confinement and Chemical Patterning. T. Davis, davis946@purdue.edu; T. R. Hayes, hayes110@purdue.edu

Study of Circulating, Cell-Free Biomarkers with Analytical Tools. W. Zhong, wenwan. zhong@ucr.edu

The Origins and Future of Metabolite Identification in Discovery Omics. G. Siuzdak, siuzdak@scripps.edu; R. Plumb, rob\_plumb@waters.com

Theoretical and Experimental Investigations of Water Interactions with Porous Materials. T. Guo, tguo@ucdavis.edu; D. Donadio

#### **BIOCHEMICAL TECHNOLOGY**

Will not be hosting symposia at this meeting.

#### **BIOLOGICAL CHEMISTRY**

Program chair: P. Bevilacqua, Pennsylvania State U, Dept. of Chemistry, pcb5@psu.edu; M. Distefano, U of Minnesota, Dept. of Chemistry, diste001@umn.edu

Abstracts due March 18.

#### BUSINESS DEVELOPMENT AND MANAGEMENT

Program chair: A. Demasi, Lanxess Solutions US, Product Compliance and Regulatory Affairs, anne.demasi@ lanxess.com; J. Bryant, BMGT Program Administrator, janetsbliss@ hotmail.com

Abstracts due March 18. Chemical Angel Network. J. Bryant, janetsbliss@hotmail.com

#### CARBOHYDRATE CHEMISTRY

Program chair: S. Sucheck, U of Toledo, steve.sucheck@utoledo.edu

Abstracts due March 18. Carbohydrate Synthesis for CARB's Next Century. D. Crich, dcrich@chem.wayne. edu; T. L. Lowary, tlowary@ualberta.ca

Centennial Celebration of ACS Carbohydrate Chemistry: Chairs' Perspective.

P. Andreana, peter.andreana@utoledo.edu General Posters. S. Sucheck, steve.sucheck@ utoledo.edu

Glycans in Context. H. F. Azurmendi, hugo. azurmendi@fda.hhs.gov; D. I. Freedberg, daron.freedberg@fda.hhs.gov; P. C. McCarthy, pumtiwitt.mccarthy@morgan. edu

and Translational Glycosciences. A. V. Demchenko, demchenkoa@msx.umsl.edu; Y. Ito, yukito@riken.jp

Uncovering the Biological Roles of Protein O-GlcNAcylation with Chemistry. M. Pratt, matthew.pratt@usc.edu; J. Jiang, jiaoyang.jiang@wisc.edu

#### CATALYSIS SCIENCE AND TECHNOLOGY

Program chair: S. Crossley, U of Oklahoma, Dept. of Chemical, Biological, and Materials Engineering, stevencrossley@ou.edu; A. Savara, Oak Ridge National Laboratory, Surface Chemistry and Catalysis, savaraa@ornl.gov

Abstracts due March 25.

Advances in Catalysis with Ceria and Other Reducible Oxides (cosponsored with ENFL, PHYS, ENVR, and INOR). F. Wang, wangfeng@dicp.ac.cn; Z. Wu, wuz1@ornl. gov; M. Cargnello, mcargn@stanford.edu

Ambient Pressure Spectroscopy in Complex Environments (cosponsored with COLL). A. Head, ahead@bnl.gov; B. Eren, baran. eren@weizmann.ac.il

Amorphous Materials: Challenges and Opportunities (cosponsored with ENFL). N. Brunelli, brunelli.2@osu.edu; A. Kulkarni, arkulkarni@ucdavis.edu

Catalysis at Metal-Support Interfaces (cosponsored with ENFL). P. Christopher, pchristopher@ucsb.edu; S. Crossley, stevencrosslev@ou.edu

- Catalytic Conversion of Biomass-Derived Oxygenates (cosponsored with ENFL). J. A. Faria, j.a.fariaalbanese@utwente.nl; X. Zhu, xinlizhu@tju.edu.cn; S. Crossley, stevencrossley@ou.edu
- CATL Division Awards. S. Crossley, stevencrossley@ou.edu; D. Resasco, resasco@ou.edu
- Electrocatalysis for Energy Generation and Storage (cosponsored with ENFL). A. Holewinski, adam.holewinski@colorado. edu; L. Seitz, linsey.seitz@northwestern. edu; K. Manthiram, karthish@mit.edu;
- J. Resasco, jresasco@ucsb.edu Fundamentals of Catalysis in Nanoporous Materials (cosponsored with ENFL). O. Abdelrahman, abdel@umass.edu; M. Orazov, orazov@udel.edu; M. Sarazen, msarazen@princeton.edu

Future Insights into Syngas Conversion Catalysis: Symposium in Honor of Burtron H. Davis (cosponsored with ENFL, PHYS, ENVR, and INOR). B. Demirel, belma.demirel@bp.com; H. Kung, hkung@ northwestern.edu; M. Gnanamani, muthu. gnanamani@uky.edu; W. Shafer, wilson. shafer@asbury.edu

General Catalysis (oral and poster submissions). S. Crossley, stevencrossley@ou.edu

Hybrid Biological and Chemocatalytic Processes for Biomass Upgrading to Fuels and Chemicals (cosponsored with ENFL). D. Vardon, derek.vardon@pnnl.gov; K. Ramasamy, karthi@pnnl.gov

In Situ and Operando Spectroscopy (cosponsored with ENFL and PHYS). B. Xu, bxu@ udel.edu; M. Orazov, orazov@udel.edu

Solvent Effects in Metal-Catalyzed Reactions (cosponsored with ENFL and PHYS). B. Wang, wang\_cbme@ou.edu; D. Resasco, resasco@ou.edu

Understanding the Role of Water in Solid Acid-Base Catalysis (cosponsored with ENFL, PHYS, and INOR). J. L. White, jeff. white@okstate.edu, T. Xu, teng.xu@ exxonmobil.com; S. Crossley, stevencrossley @ou.edu

#### CELLULOSE AND RENEWABLE MATERIALS

Program chair: G. Larkin, Michigan Tech U, School of Forest Resources and Environmental Science, gmlarkin@mtu.edu; W. Thielemans, KU Leuven, Dept. of Chemical Engineering, wim.thielemans@kuleuven.be

- Abstracts due March 18. Advances in Characterizing Modified and Degraded Wood. G. Larkin, gmlarkin@mtu.
- edu; M. Aro, maro@d.umn.edu General Posters. G. Larkin, gmlarkin@mtu.edu Influence of Inorganic Content on Wood

Industrial Properties. A. Asamoah, asamoah38@icloud.com; A. Atta-Boateng, acheboate@gmail.com

- Lignin-Based Bioproducts. M. Nejad, nejad@ msu.edu
- Materials Advances in Nanocellulose Research for Engineered Functionality (cosponsored with PMSE and POLY). L. Pal, Ipal@ncsu.edu, L. Lucia, lalucia@ncsu. edu, H. Jameel, jameel@ncsu.edu

#### **CHEMICAL EDUCATION**

Program chair: I. Black, James Madison U, Dept. of Chemistry, diblack4@ gmail.com; P. Daubenmire, Loyola U Chicago, Dept. of Chemistry and Biochemistry, pdauben@luc.edu; L. Q. Wang, Brown U, Dept. of Chemistry, li\_qiong\_wang@brown.edu; I. Levy, Gordon College, Dept. of Chemistry, irv.levy@gordon.edu

Abstracts due March 18.

3-D Printing in Chemistry Education: Where, Wherefore, and Whereto. J. K. Klosterman, jkk@ucsd.edu; A. Leontyev, alexleontyev@adams.edu Academic Lab Safety (cosponsored with

- CHAS). S. D. Wiediger, swiedig@siue.edu Adapting Authentic Research to the Teaching Lab: Challenges and Rewards. B. McFarland, bjm@spu.edu; D. Wood,
- woodd1@spu.edu Assessment and Measurement in Research and Practice. J. Trate, jtrate@uwm.edu; K. Murphy, kmurphy@uwm.edu; J. Raker, iroluc@uvf.adu. T. Ponteneot. Destearch@
- jraker@usf.edu; T. Pentecost, pentecot@ gvsu.edu; K. Marek, kmarek@bemidjistate. edu Avoiding the Focus Drought: Novel
- Water Demonstrations and Lectures to Keep Student Focus. A. Neybert, crazy4chemistry@att.net

Chemistry Teachers' Day. S. C. Rukes, scrukes@comcast.net

- Citizens First! R. D. Sheardy, rsheardy@twu. edu; R. Bishop, rbishop@belhaven.edu Engaging Students in Physical Chemistry
- (cosponsored with PHYS). C. M. Teague, cteague@cornellcollege.edu; D. E. Gardner, dgardner@lander.edu

General Papers. S. Fleming, sfleming@ temple.edu

- General Posters. P. L. Daubenmire, pdauben@ luc.edu
- Get the Facts Out: Faculty and Student Perceptions of K–12 Teaching Careers. T. Taylor, t\_taylor@acs.org; K. Thompson, k\_thompson2@acs.org
- Green and Sustainable Chemistry Theory and Practice: Chemistry and Water (cosponsored with CEI and I&EC). E. J. Brush, ebrush@bridgew.edu; J. E. Wissinger, jwiss@unm.edu

Hands-on Chemistry beyond the Classroom: Chemical Education in Informal Settings. S. Raposo, sara.raposo@msichicago.org

Highlighting ACS International Volunteers: Outreach within and outside the Scientific Community. L. Raines, <u>Lraines@acs.</u> org; L. Brown, <u>Lbrown2@acs.org</u>

Implementing Case Study Methods in Undergraduate Chemistry Teaching and Learning. L. Q. Wang, li\_qiong\_wang@brown.edu

- Leveraging Collaborative Research for Collaborative Outreach. M. Krause, mkrause@ umn.edu; D. Watt, dwatt@uci.edu
- Nano Chemistry in Undergraduate Laboratory Courses. J. Kim, jihyun.kim@guttman. cuny.edu

Novel Water-Testing Methodologies for High Schools in Sub-Sahara Africa. E. M. Govere, emg900@psu.edu

Process Oriented Guided Inquiry Learning (POGIL). R. S. Moog, rick.moog@fandm.edu Programs Designed to Promote Greater

Retention in STEM and Chemistry. C. Cox, ctcox@stanford.edu; J. Schwartz-Poehlmann, jks425@stanford.edu

- Putting CER into Practice: Using Chemistry Education Research to Improve Student Learning Experiences. M. Stains, mstains2@unl.edu; S. Lewis, slewis@ usf.edu
- Research in Chemistry Education. T. J. Bussey, tbussey@ucsd.edu; R. Komperda, rkomperda@sdsu.edu

State of the Art: Diversity and Inclusion in Chemistry Education (cosponsored with CEI and PROF). P. L. Daubenmire, pdauben@luc.edu; C. H. Middlecamp, chmiddle@wisc.edu

Successful Student Chapters, J. Roberts. j\_roberts2@acs.org; N. DiFabio, n difabio@acs.org

Technology in Chemical Education. C. Rezsnyak, crezsnyak@tntech.edu

Twenty-First Century Innovative Assessments in Chemistry and Other STEM-Related Courses. C. A. Supalo, csupalo@ets.org

- UN Sustainable Development Goals: Unique Opportunities for the Chemical Enterprise. E. J. Brush, ebrush@bridgew.edu; J. E. Wissinger, jwiss@unm.edu
- Undergraduate Research Papers. C. V. Gauthier, cgauthier@flsouthern.edu; N. Snyder, nsnyder@snyderglycosciencegroup.org; J. Ruppel, jruppel@uscupstate.edu
- Undergraduate Research Posters: Agricultural and Food Chemistry. J. Roberts, j\_roberts2@acs.org; N. DiFabio, n\_difabio@acs.org
- Undergraduate Research Posters: Analytical Chemistry. J. Roberts, j\_roberts2@acs.org; N. DiFabio, n\_difabio@acs.org

Undergraduate Research Posters: Biochemistry. J. Roberts, j\_roberts2@acs.org; N. DiFabio. n. difabio@acs.org

- Undergraduate Research Posters: Biotechnology. J. Roberts, j\_roberts2@acs.org; N.
- DiFabio, n\_difabio@acs.org Undergraduate Research Posters: Chemistry Education. J. Roberts, j\_roberts2@acs org; N. DiFabio, n\_difabio@acs.org
- Undergraduate Research Posters: Computational Chemistry. J. Roberts, j\_roberts2@ acs.org; N. DiFabio, n\_difabio@acs.org Undergraduate Research Posters: Environ-
- mental Chemistry. J. Roberts, j\_roberts2@acs.org; N. DiFabio, n\_difabio@acs.org
- Undergraduate Research Posters: Geochemistry. J. Roberts, j\_roberts2@acs.org; N. DiFabio, n\_difabio@acs.org

- Undergraduate Research Posters: Green Chemistry and Sustainability. J. Roberts, j\_roberts2@acs. org; N. DiFabio, n\_difabio@acs.org
- Undergraduate Research Posters: Inorganic Chemistry. J. Roberts, j\_roberts2@acs. org; N. DiFabio, n\_difabio@acs.org
- Undergraduate Research Posters: Medicinal Chemistry. J. Roberts, j\_roberts2@acs. org; N. DiFabio, n\_difabio@acs.org
- Undergraduate Research Posters: Nanochemistry. J. Roberts, j\_roberts2@acs.org; N. DiFabio, n\_difabio@acs.org
- Undergraduate Research Posters: Organic Chemistry. J. Roberts, j\_roberts2@acs. org; N. DiFabio, n\_difabio@acs.org
- Undergraduate Research Posters: Physical Chemistry. J. Roberts, j\_roberts2@acs. org; N. DiFabio, n\_difabio@acs.org
- Undergraduate Research Posters: Polymer Chemistry. J. Roberts, j\_roberts2@acs. org; N. DiFabio, n\_difabio@acs.org
- Water Education Providing Protection to Water-Dependent Systems throughout the World. A. Nalley, annn@cameron.edu

#### CHEMICAL HEALTH AND SAFETY

Program chair: J. Pickel, Oak Ridge National Laboratory, pickeljm@ornl.gov; D. Decker, U of California, Davis, Dept. of Chemistry, dmdecker@ucdavis.edu; I. Black, James Madison U, Dept. of Chemistry, diblack4@gmail.com

Abstracts due March 25.

- Cannabis and Hemp Analytical Science: The Glass is (More Than) Half-Full. T. Astill, toby.astill@perkinelmer.com
- Cannabis and Water: Formulations That Create a Splash. M. Vialpando, monica@ vialpando-llc.com
- Cannabis and Water: Merging the Insoluble. N. Arora, nbarora90@gmail.com
- Cannabis Production: Streamlining the Flow. T. Towle, tyrell@medpharmholdings. com
- CHAS 40th Anniversary Symposium (cosponsored with CCS and HIST). R. Stuart, ralph.stuart@keene.edu
- CHAS Poster Session (cosponsored with CCS). J. Pickel, pickeljm@ornl.gov
- Connecting Professionalism, Safety, and Ethics: The Opportunities and Challenges (cosponsored with CINF, ETHX, and CCS). R. Stuart, ralph.stuart@keene.edu
- Graduate Students' Perspective on Safety Education (cosponsored with CCS and YCC). K. Miller, kalim863@gmail.com; R. Stuart, ralph.stuart@keene.edu
- The European Cannabis Research and Industry Leadership Symposium. M. Roggen, markus@complexbiotech.com
- Water and Ice: Modern Advances on Traditional Cannabis Processing. T. Trah, taylortrah@gmail.com; B. Grauerholz, bgrauerholz@gmail.com

Water Safety Issues (cosponsored with CCS). R. Izzo, rmizzo@princeton.edu

#### **CHEMICAL INFORMATION**

Program chair: S. Cardinal, U of Rochester, River Campus Libraries, scardinal @library.rochester.edu

Abstracts due March 18.

Artificial Intelligence and Deep Learning in QSAR Modeling. T. Robertson, tim. robertson@schrodinger.com





Biologic Informatics. R. Bienstock, rachelleb1@gmail.com Chemical Nomenclature and Represen-

tation: Past, Present, and Future (cosponsored with NTS). L. McEwen, Irm1@ cornell.edu; M. Rogers, michelle.m.rogers@ gmail.com; B. Lawlor, chescot@aol.com

- CINF Scholarships for Scientific Excellence: Student Poster Competition. E. Alvaro, elsa.alvaro@northwestern.edu; M. Qiu, m\_qiu@acs.org
- Connecting Professionalism, Safety, and Ethics: Opportunities and Challenges (cosponsored with CHAS). C. Nitsche, carmen@cinformaconsulting.com; R. Stuart, ralph.stuart@keene.edu
- Driving Drug Discovery via Innovative Data Visualization. P. Beroza, beroza.paul@gene. com: D. Ortwine.ortwine.daniel@gene.com
- Drug Discovery: Informatics Approaches. E. Davis, erinsdavis@gmail.com
- Extended Reality (XR) in Libraries and Beyond. S. K. Cardinal, scardinal@library. rochester.edu; N. Ruhs, nruhs@fsu.edu, M. Oju, m. oju@acs.org
- Herman Skolnik Award Symposium Honoring Dr. Kimito Funatsu. K. Funatsu, funatsu@ chemsys.t.u-tokyo.ac.jp; S. K. Cardinal, scardinal@library.rochester.edu

Importance of Collaboration to Create Student Success in the Laboratory and Beyond. S. Kuhn, skuhn@cas.org

Material Informatics. A. Tropsha, alex\_tropsha @unc.edu; H. Senderowitz, hsenderowitz@ gmail.com

One Million Crystal Structures: A Wealth of Structural Chemistry Knowledge. I. Bruno, bruno@ccdc.cam.ac.uk; H. Abourahma, abourahm@tcnj.edu

Solubility Prediction: Data Sets and Modeling. S. Chalk, schalk@unf.edu

Successful Projects Fueled by Open-Source Tools. R. Bienstock, rachelleb1@gmail.com Text Mining and Natural Language Processing for Chemical Information: From Documents to Knowledge. J. Nauss, jeff. nauss@linguamatics.com; R. Bienstock,

rachelleb1@gmail.com Web-Based Chemistry Databases. A. Williams, tony27587@gmail.com

#### **CHEMICAL TOXICOLOGY**

Program chair: T. Spratt, Pennsylvania State U, Dept. of Biochemistry and Molecular Biology, tspratt@ pennstatehealth.psu.edu

#### Abstracts due March 18.

Chemical Research in Toxicology Young Investigator Award Symposium. S. Sturla, shana.sturla@agrl.ethz.ch

Current Approaches to Discovery-Phase Safety Assessment in the Industry. F. P. Guengerich, f.guengerich@vanderbilt.

edu; N. Meanwell, nicholas.meanwell@ bms.com Emerging Topics in Chemical Carcinogene-

sis. T. E. Spratt, tes13@psu.edu Epigenetic Response to Endogenous

and Exogenous Toxins. N. Tretyakova, trety001@umn.edu; Y. Wang, yinsheng. wang@ucr.edu

Founders' Award Symposium. P. Dedon, pcdedon@mit.edu

Keynote Lecture. T. E. Spratt, tes13@psu.edu Student and Postdoctoral Scholar Symposium. E. Prestwich, erin.

prestwich@utoledo.edu; U. Sarkar, ujjal. sarkar@astrazeneca.com Topics in Chemical Toxicology. L. Zhao, zhao5l@cmich.edu; P. Beuning, p.beuning@neu.edu

TOXI Poster Session. T. E. Spratt, tes13@ psu.edu

Translation Aspects of DNA Repair. S. Shuck, sshuck@coh.org

#### **CHEMISTRY AND THE LAW**

Program chairs: K. Bianco, Finnegan, Henderson, Farabow, Garrett & Dunner LLP, krista.bianco@finnegan.com; K. McIntyre, Finnegan, Henderson, Farabow, Garrett & Dunner LLP, kristi. mcintyre@finnegan.com

Abstracts due March 25.

The Many Faces of CHAL: Where Chemistry Meets the Law. K. Bianco, krista.bianco@ finnegan.com; K. McIntyre, kristi.mcintyre@ finnegan.com

#### COLLOID AND SURFACE CHEMISTRY

Program chair: R. Nagarajan, Natick Soldier Research, Development and Engineering Center, ramanathan. nagarajan.civ@mail.mil

Abstracts due March 25.

- Adsorption and Reaction at Surfaces: Symposium in Honor of Charles T. Campbell (oral and poster submissions). S. L. Tait, tait@indiana.edu; J. Rodriguez, rodrigez@bnl.gov; D. Starr, david.starr@ helmholtz-berlin.de
- Basic Research in Colloids, Surfactants and Interfaces (oral and poster submissions). R. Nagarajan, ramanathan.nagarajan.civ@ mail.mil

Biomaterials and Biointerfaces (oral and poster submissions). S. R. V. Castrillón, sromerov@umn.edu

- Colloid and Surface Chemistry in Industry: Applications and Career Opportunities (oral and poster submissions). N. Falk, nancy falk@clorox.com; R. MacCuspie, rob@n-icorp.com
- Colloidal Quantum Dots for Emerging Technologies (oral and poster submissions). F. Rosei, rosei@emt.inrs.ca; A. Vomiero, alberto.vomiero@ltu.se

Colloids and Nanomaterials for Water Purification (oral and poster submissions). C. P. Drew, christopher.p.drewphd.civ@mail.mil

- Confined Dynamics of Molecules and Particles at Interfaces, in Pores, and under Crowded Conditions (oral and poster submissions). D. K. Schwartz, daniel. schwartz@colorado.edu; J. C. Conrad, icconrad@uh.edu
- Dynamics and Mechanisms of Surface Catalyzed Reactions (oral and poster submissions). D. Killelea, dkillelea@luc.edu; S. Roy,
- sharani.roy@utk.edu Formulation Strategies to Control the Physicochemical Parameters of Drug and Nucleic Acid Delivery Systems

(oral and poster submissions). K. Sakurai, sakurai@kitakyu-u.ac.jp; M. A. Ilies, mailies@temple.edu

Frontiers and Challenges in Nanoparticle-Mediated Chemical Transformations (oral and poster submissions). O. Chen, ouchen@brown.edu; J. He, jie.he@uconn. edu; Y. Sun, ygsun@temple.edu; H. Fan, hfan@sandia.gov

- Fundamental Research in Colloids, Surfaces, and Nanomaterials. R. Nagarajan, ramanathan.nagarajan.civ@mail.mil
- Hierarchical Assembly of Peptide and Protein: From Interaction and Structure to Application (oral and poster submissions). M. Dong, dong@inano.au.dk; S. Zhang, shuai.zhang@pnnl.gov

Langmuir Lectures, Nano Letters Award Lecture, ACS Materials and Interfaces Award Lecture. R. Nagarajan, ramanathan. nagarajan.civ@mail.mil

- Nanoinformatics: Information and Data Sciences Applied to Nanomaterials Synthesis, Properties, and Biological Effects (oral and poster submissions). D. A. Heller, hellerd@mskcc.org; J. E. Dahlman, james.dahlman@bme.gatech.edu; S. Jiang, sjiang1@iastate.edu; A. Schroeder, avids@ technion.ac.il
- Nanomaterials (oral and poster submissions). J. A. Hollingsworth, jenn@lanl.gov; R. Nagarajan, ramanathan.nagarajan.civ@ mail.mil
- Surface Chemistry (oral and poster submissions). S. Tait, tait@indiana.edu
- Surfaces and Interfaces in the Environment: Symposium in Honor of Vicki Grassian (cosponsored with ENVR; oral and poster submissions). A. Ault, aulta@umich.edu; J. Baltrusaitis. iob314@lehioh.edu
- Targeted Delivery of Nanomedicines In Vivo (oral and poster submissions). W. Parak, wolfgang.parak@uni-hamburg.de; N. Feliu, nfeliu@physnet.uni-hamburg.de; P. Pino, pablo.delpino@usc.es
- Theoretical and Experimental Investigations of Water Interactions with Materials (oral and poster submissions). T. Guo, tguo@ucdavis.edu; D. Donadio, ddonadio@ ucdavis.edu
- Water and Tribological Interfaces (oral and poster submissions). F. Mangolini, filippo. mangolini@austin.utexas.edu; M. Ruths, marina\_ruths@uml.edu

#### **COMPUTERS IN CHEMISTRY**

Program chairs: L. Woodcock, U of South Florida, Dept. of Chemistry, hlw@usf.edu; J. Shen, U of Maryland School of Pharmacy, Dept. of Pharmaceutical Sciences, jana.shen@ rx.umaryland.edu

Abstracts due March 25.

Advances in Multiscale Computational Modeling of Biomass Conversion Processes. S. Kim, seonah.kim@nrel.gov; R. S. Assary, assary@anl.gov; V. A. Glezakou, vanda. glezakou@pnnl.gov

Advances in Multiscale Modeling. J. Li, jianing.li@uvm.edu; W. Noid, wgn1@psu. edu; J. C. Shelley, john.shelley@schrodinger. com

Chemical Computing Group Graduate Student Travel Awards. K. Kirschner, k.n.kirschner@gmail.com; C. Simmerling, carlos.simmerling@gmail.com

COMP Poster Session. H. L. Woodcock, hlw@ usf.edu

**Computational Studies of Water.** D. Sindhikara, sindhikara@gmail.com

Drug Design. Y. J. Tseng, yjtseng@csie.ntu. edu.tw; M. Landon, lissland@gmail.com

Exploring Transition-Metal Chemistry and Spectroscopy with Quantum Chemistry. H. P. Hratchian, hhratchian@ucmerced. edu; C. Aikens, cmaikens@ksu.edu; A. E. DePrince III, deprince@chem.fsu.edu

#### Immersive Virtual Reality for Molecular

Design. L. Whitehead, lewis.whitehead@ me.com; R. Paton, robert.paton@colostate. edu

- Material Science. C. Aikens, cmaikens@ ksu.edu
- Molecular Mechanics. J. Shen, jana.shen@ rx.umarvland.edu

Molecular Mechanics: Conformational Dynamics of Ion Channels and Transporters. J. Shen, jana.shen@rx.umaryland.edu

Molecular Mechanics: Molecular Simulations for Materials Design, J. Shen, jana.shen@ rx.umaryland.edu; C. Aikens, cmaikens@ ksu.edu

NVIDIA GPU Award. C. Simmerling, carlos. simmerling@gmail.com; M. Berger, mberger @nvidia.com

- OpenEye Outstanding Junior Faculty Award. C. Simmerling, carlos.simmerling@gmail. com
- ProTAC Computational Design. L. Xiao, li.xiao2@merck.com

Quantum Mechanics. A. E. DePrince III, deprince@chem.fsu.edu; H. P. Hratchian, hhratchian@ucmerced.edu

Recent Advances in Kinase Drug Discovery: A Joint Venture between Medicinal, Biological, and Computational Chemists. J. Shen, jana.shen@rx.umaryland.edu; J. Whitehead Jewis whitehead@me.com

Role of Water Phase in Molecular Biology: Importance of Water in Folding, Binding, and Transport Phenomena. C. Chang, chiaenc@ucr.edu; E. Alexov, ealexov@ clemson.edu: R. Luo, rluo@uci.edu

Use of Predictive Computational ADME Tools to Enable Drug Discovery. D. Ortwine, ortwine.daniel@gene.com; F. Broccatelli, broccatelli.fabio@gene.com

Wiley Computers in Chemistry Outstanding Postdoc Award. C. Simmerling, carlos. simmerling@gmail.com; M. Cavalleri, matteo.cavalleri@wiley.com

Women Make COMP. G. Palermo, gpalermo@ engr.ucr.edu; M. Nagan, mnagan@adelphi. edu

#### **ENERGY AND FUELS**

Program chair: H. Lin, Washington State U, Gene and Linda Voiland School of Chemical Engineering and Bioengineering, hongfei.lin@wsu.edu

Abstracts due March 18.

2-D Materials and Beyond: Innovative Materials, Assemblies, and Devices for Energy and Fuel. Y. Zhu, yzhu@uakron.edu; L. Hu, binghu@umd.edu; M.-K. Song, minkyu. song@wsu.edu; V. Barone, vbarone@ cmich.edu; Y. Lin, yi.lin-1@nasa.gov

7th International Symposium on Mesoporous Zeolites. J. G. Martinez, j.garcia@ ua.es; K. Li, eric.li@rivetechnology.com

Accelerating Scientific Breakthroughs at the Energy-Water Nexus in Engineered and Natural Environment (cosponsored with WCC). A. A. Park, ap2622@columbia. edu; G. Gadikota, gadikota@wisc.edu; A. E. V. Gorden, anne.gorden@auburn.edu; L. Tribe, lut1@psu.edu

- Advances in Fundamental Research for Energy Storage beyond Lithium-Ion: In Honor of Dr. Larry A. Curtiss. R. S. Assary, assary@anl.gov; B. Narayanan, badri.narayanan@louisville.edu; L. Cheng, leicheng@anl.gov
- Advancing Innovative Battery Technologies. B. Liu, bin.liu@pnnl.gov; H. Pan, huilin. pan@pnnl.gov; K. Xu, conrad.k.xu.civ@mail. mil; D. Wang, dwang@psu.edu

- Atomic-Level Understanding and Design of Materials and Processes for Energy Applications. Y. Liu, yuanyue.liu@austin. utexas.edu; H. Zhang, yunlong.zhang@ exxonmobil.com
- Cross-Scale Science for Energy and Resource Recovery. G. Gadikota, gadikota@ wisc.edu
- Eco-Friendly Derived Nanostructured Materials and Characterization for Renewable Energy Applications. F. M. Yurtsever, fmyurtsever@ualr.edu; S. Ravula, sravula1@lsu.edu
- Energy-Conversion Technologies Based on Solid Oxide Electrolyte Electrochemical Cells. S. Ha, suha@wsu.edu; K. Zhao, k.zhao@wsu.edu
- ENFL General Posters. H. Lin, hongfei.lin@ wsu.edu
- Hybrid Energy Techniques: Catalysts to Vehicle. V. Liu, vanadiumli@bjut.edu.cn; Q. Zhen, qzhen@staff.shu.edu.cn; S. Bashir, br9@tamuk.edu; J. L. Liu, jingbo.liu@ tamuk.edu
- Hybrid Functional Porous Materials: MOFs, Silica, and Conductive Polymers. S. K. Nune, satish.nune@pnnl.gov; J. L. Lutkenhaus, jodie.lutkenhaus@che.tamu.edu; S. V. Patwardhan, s.patwardhan@sheffield.ac.uk Hybrid Organic-Inorganic Semiconductors
- for Energy. Y. Yan, yong.yan@sdsu.edu; M. Beard, matt.beard@nrel.gov Innovative Chemistry and Materials for
- Electrochemical Energy Storage. H. Chen, hailong.chen@me.gatech.edu; F. Lin, fenglin@vt.edu; R. Clement, rclement@ ucsb.edu; J. Kan, jackkan.chem@gmail.com Photocatalysis for Energy and Environment.
- Y. Lin, linyan2002@sjtu.edu.cn; M. Long, long\_mc@sjtu.edu.cn
- Remediating Water from the Production or Extraction of Fuels. M. Reynolds, mike. reynolds@shell.com; R. Weber, robert. weber@pnnl.gov
- Remediation of Wastewater from Energy Usage. J. J. Ren, kfjr000@tamuk.edu; Y. Li, yingli@tamu.edu; Q. Zhen, qzhen@ staff.shu.edu.cn; J. L. Liu, jingbo.liu@ tamuk.edu
- Sustainable Biofuels and Biobased Products. H. Wang, huamin.wang@pnnl.gov; A. Padmaperuma, asanga.padmaperuma@ pnnl.gov; J. Fu, jiefu@zju.edu.cn; Y. Yang, yhyang@njtech.edu.cn; H. Lin, hongfei. lin@wsu.edu
- Sustainable Energy and Water via Innovative Electrocatalytic, Photocatalytic and Hybrid Catalytic Systems. Y. Cheng, ycheng@niu.edu; C. Liu, chongliu@chem. ucla.edu; G. Wu, gangwu@buffalo.edu; Y. Shao, yuyan.shao@pnnl.gov; F. Jiao, jiao@udel.edu
- Understanding of Energy Materials with Advanced Computation and Characterization. T. Li, tli4@niu.edu; H. Zhao, haiyanz@uidaho.edu; L. Cheng, leicheng@ anl.gov

#### ENVIRONMENTAL CHEMISTRY

Program chair: J. Goldfarb, Cornell U, College of Agriculture and Life Sciences, goldfarb@cornell.edu

#### Abstracts due March 18.

Artificial Water Channels for Water Purification and Desalination (oral and poster submissions). B. Ni, mib@berkeley. edu; M. Barboiu, mihail-dumitru.barboiu@ umontpellier.fr; J. L. Hou, houjl@fudan. edu.cn

- Biochar and Hydrochar for Energy, Environmental, and Agricultural Applications (cosponsored with AGRO; oral and poster submissions). A. Shah, shah.971@osu.edu; J. Goldfarb, goldfarb@cornell.edu; N. Berge, berge@engr.sc.edu; R. Volpe, r.volpe@ amul.ac.uk
- C. Ellen Gonter Environmental Graduate Student Award Symposium. K. O'Shea, osheak@fiu.edu; D. Dionysiou, dionysios. d.dionysiou@uc.edu
- Catalysis for Environmental and Energy Applications (oral and poster submissions). Y. Wang, wang292@uwm.edu; A. Savara, savaraa@ornl.gov; A. Orlov, alexander.orlov @stonybrook.edu
- Chemistry and Applications of Free Radical–Based Technologies for Water Treatment and Purification (cosponsored with AGRO; oral and poster submissions). D. Minakata, dminakat@mtu.edu; D. Aga, dianaaga@buffalo.edu; W. Song, wsong@ fudan.edu.cn; G. Li Puma, glipuma@ lboro.ac.uk; K. O'Shea, osheak@fiu.edu; D. Dionysiou, dionysios.d.dionysiou@uc.edu
- Chemistry of Water Reuse Processes toward Water Sustainability (cosponsored with AGRO; oral and poster submissions). C. P. Huang, huang@udel. edu; R. A. Doong, radoong@mx.nthu.edu. tw; W.-C. Hou, whou@mail.ncku.edu.tw; Z. Qiang, qiangz@rcees.ac.cn; V. K. Sharma, vsharma@sph.tamhsc.edu
- Chemistry of Waterless Fracturing Fluids: Improving Produced Water Use, Minimizing the Need for Water Treatment in the Oil and Gas Industry (oral and poster submissions). R. Barati, reza.barati@ku.edu; S. Mukhopadhyay, sumitra.mukhopadhyay@ superiorenergy.com
- Current Advances in Water Analysis: From Citizen Scientists to Laboratory Breakthroughs (cosponsored with AGRO; oral and poster submissions). S. Lingenfelter, sclingen28@gmail.com; C. Steary, christopher.steary@glwater.org; J. Vachon, jessica.vachon@glwater.org; B. Elias, benoy. elias@glwater.org
- Division of Environmental Chemistry General Poster Session. J. Goldfarb, goldfarb@cornell.edu
- Emerging Contaminants in Wastewater (oral and poster submissions). A. Adeleye, adeyemi.adeleye@uci.edu; Y. Huang, yhuang@bren.ucsb.edu; P. Cervantes, pcervantes@bren.ucsb.edu
- Environmental Data Visualization to Enable Effective Communication across Audiences (cosponsored with AGRO; oral and poster submissions). M. J. M. Wells, mjmwells@tntech.edu; T. H. Boles, tboles@ tntech.edu
- Fundamental Chemical Processes Common to Dissolved Organic Matter and Atmospheric Organic Aerosols (oral and poster submissions). N. Borduas-Dedekind, nadine.borduas@usys.ethz.ch; S. Nizkorodov, nizkorod@uci.edu
- Green Chemistry and the Environment (oral and poster submissions). S. Obare, sherine. obare@wmich.edu; R. Luque, q62alsor@ uco.es
- Legacy and Emerging Per- and Polyfluoroalkyl Substances: Identification, Fate, Transport, Exposure, and Removal (oral and poster submissions). F. Xiao, feng.xiao@ und.edu; K.-H. Chu, kchu@civil.tamu.edu; J. Liu, jinxia. liu@mcgill.ca; M. Sun, msun8@ uncc.edu
- Nanomaterials and Sustainability (oral and poster submissions). S. Ahuja, sutahuja@ atmc.net

- Nontargeted Analysis to Understand Fate and Effects of Pharmaceuticals and Emerging Contaminants in Agriculture and Natural Environments (cosponsored with AGRO; oral and poster submissions). J. B. Sallach, brett.sallach@york.ac.uk; D. Aga, dianaaga@buffalo.edu
- Plastics in Aquatic Environments, Part II: Transport, Fate, and Global Impacts (cosponsored with POLY; oral and poster submissions). J. A. Glaser, glaser.john@ epa.gov; K. Ikehata, keisuke.ikehata@yahoo. com; M. Pasquinelli, melissa\_pasquinelli@ ncsu.edu; S. Orski, sara.orski@nist.gov; R. Mathers, rtm11@psu.edu
- Safeguarding Water Quality in a Climate of Change (oral and poster submissions). J. Moerman, jessica.moerman@science.doe. gov; J. Saleem-Arrigo, jsaleem-arrigo@ usgcrp.gov
- Sensors and Biosensors for Widespread Environmental Monitoring (cosponsored with AGRO; oral and poster submissions). P. Schorr, schorr@njit.edu; T. Li, li.tao@ usepa.gov; M. Romero-González, m.romerogonzalez@qmul.ac.uk; V. Rajasekharan, vrajasek@hach.com; W. Zhang, wen. zhano@niit.edu
- Sensors for Water-Quality Assessment in Resource-Limited Environments (cosponsored with AGRQ; oral and poster submissions). E. Brack, eric.m.brack.civ@mail. mil; M. Wiederoder, michael.s.wiederoder. ctr@mail.mil; E. McLamore, emclamor@ufl. edu; C. Gomes, carmen@lastate.edu
- Showcasing Emerging Investigators and Future Perspectives: A Symposium by the RSC Environmental Science Journals. S. Neil, neils@rsc.org; K. McNeill, kristopher. mcneill@env.ethz.ch; P. Novak, novak010@ umn.edu; P. Vikesland, pvikes@vt.edu; D. Cwiertny. david-cwiertny@uiowa.edu
- Stormwater Treatment and Green Infrastructure: From Research to Practice (oral and poster submissions). H. Liu, haizhou@engr.ucr.edu; P. Holden, holden@ bren.ucsb.edu; S. Grant, stanleyg@ut.edu; J. Jay, jennyayla@gmail.com; L. Levin, llevin@ucsd.edu; R. Ambrose, rambrose@ ucla.edu
- Wastewater-Based Epidemiology: Opportunities, Challenges, and Applications to Public Health and Safety (oral and poster submissions). B. Subedi, bsubedi@murraystate.edu; D. A. Burgard, dburgard@pugetsound.edu; M. Matus, mariana@biobot.io
- Water, Health, and Environmental Justice in Marginalized Communities (oral and poster submissions). J. Kearns, jpkearns@ ncsu.edu; F. de los Reyes, fldelosr@ncsu. edu; A. Harris, aharris5@ncsu.edu
- Water in the Solid State: Reactions and Interactions with Impurities (oral and poster submissions). E. Asenath–Smith, emily.asenath–smith@usace.army.mil; W. Choi, wchoi@postech.edu; K. Kim, ktkim@ kopri.re.kr

#### **FLUORINE CHEMISTRY**

Will not be hosting symposia at this meeting.

#### GEOCHEMISTRY

Program chair: A. Rouff, Rutgers U–Newark, Dept. of Earth and Environmental Sciences, ashaki.rouff@ rutgers.edu

Abstracts due March 18.

- Advancing the Understanding of Mineral-Water Interfacial Processes through Synergy between Theory and Experiment. A. Koishi, akoishi@princeton.edu; K. Yuan, kyuan@ anl.gov
- Biomineralization and the Environment. P. Gilbert, pupa@physics.wisc.edu; J. McKittrick, jmckittrick@eng.ucsd.edu
- Clathrate Hydrate Geochemistry: Nucleation, Molecular Structures, and Microscopic Properties. S. S. Lee, sslee@ anl.gov. D. Wu, dwu@mines.edu
- Engaging Students in Chemistry and Geochemistry with Environmental Issues and Career Pathways. K. Nagy, klnagy@uic.edu; D. Morales-Doyle, moralesd@uic.edu
- General Geochemistry (oral and poster submissions). A. Rouff, ashaki.rouff@ rutgers.edu
- Geochemistry of the Urban and Lived Environment. A. Rouff, ashaki.rouff@ rutgers.edu; O. Goswami, og74@ scarletmail.rutgers.edu
- Geogenic and Anthropogenic Sources of Trace Elements within Surface and Groundwater Systems and Their Effects on Water Quality. C. M. Hamilton, meilinghamilton@vahoo.com
- Impacts of Wetland Hydro-Biogeochemistry on Water Quality. T. M. Flynn, theodore.flynn@water.ca.gov; E. J. O'Loughlin, oloughlin@anl.gov
- Second Symposium on Applied Geochemical Modeling, R. M. Santos, santosr@ uoguelph.ca; E. Y. W. Chiang, chiange@ uoguelph.ca
- Sorption and Redox at Mineral-Water Interfaces and the Impact on the Biogeochemical Cycling of Trace and Major Elements. E. Elzinga, elzinga@andromeda. rutgers.edu

#### **HISTORY OF CHEMISTRY**

Program chair: N. Tsarevsky, Southern Methodist U, Dept. of Chemistry, nvt@smu.edu

#### Abstracts due March 25.

- 150 Years of the Periodic Table. G. Girolami, ggirolam@illinois.edu; C. Giunta, giunta@ lemoyne.edu; V. Mainz, mainz@illinois.edu
- 150 Years of the Publication of the First Issue of Zhurnal Russkogo Fiziko-Khimicheskogo Obshchestva. D. Lewis, lewisd@uwec.edu; N. Tsarevsky, nvt@smu.edu
- Isd@uwec.edu; N. Isarevsky, nvt@smu.edu Bibliography of Chemistry. G. Paterson, gp9a@andrew.cmu.edu

HIST Award.

Tutorial and General Papers. N. Tsarevsky, nvt@smu.edu

#### INDUSTRIAL AND ENGINEERING CHEMISTRY

Program chair: C. Abney, ExxonMobil Research and Engineering, Corporate Strategic Research, carter.w.abney@ exxonmobil.com; R. Mayes, Oak Ridge National Laboratory, Chemical Sciences Division, mayesrt@ornl.gov

Abstracts due March 18.

- I&EC General Papers. C. Abney, carter.w.abney@exxonmobil.com; R. Mayes, mayesrt@ornl.gov
- I&EC General Posters. C. Abney,
- carter.w.abney@exxonmobil.com; R. Mayes, mayesrt@ornl.gov





#### I&EC Graduate Student Award

Symposium. M. Matthews, matthews@cec.sc.edu; G. Stanley, gstanley@lsu.edu; P. Savage, psavage@ engr.psu.edu

Keeping Water Safe (cosponsored with CHAS). J. Pickel, pickeljm@ornl.gov Molten Salt Chemistry (cosponsored with

NUCL). R. Mayes, mayesrt@ornl.gov Ocean Plastic Abatement. P. Smith,

smithpm@westminster.edu

Water Desalination Breakthroughs in Materials and Processes. S. Mahurin, mahurinsm@ornl.gov; D. Birdsall, david birdsall@meridanmt.com

#### **INORGANIC CHEMISTRY**

Program chair: N. Radu, DuPont, nora.s.radu@gmail.com; S. Koch, Stony Brook U, Dept. of Chemistry, koch.stephen@gmail.com

Abstracts due March 18.

Bioinorganic Chemistry: DNA, RNA, and Inorganic Drugs (oral and poster submissions). S. Koch, koch.stephen@gmail.com

Bioinorganic Chemistry: Proteins and Enzymes and Model Systems (oral and poster submissions). S. Koch, koch. stephen@gmail.com

Celebrating the 150th Anniversary of Mendeleev's Periodic Table. V. Mainz, mainz@ illinois.edu

Charge and Substrate Transport in 3-D Electrocatalytic Materials. C. McCrory, cmccrory@umich.edu; S. Thoi, sarathoi@ jhu.edu; S. Hall, shoji@jhu.edu Chemistry of Materials. C. Lugmair, claus.

lugmair@clariant.com

Chemistry of Materials: Materials for Energy and Catalytic Applications. C. Lugmair, claus.lugmair@clariant.com

Chemistry of Materials: Metal-Organic Frameworks. C. Lugmair, claus.lugmair@ clariant.com

Chemistry of Materials: Nanomaterials. C. Lugmair, claus.lugmair@clariant.com

Chemistry of Materials: Synthesis and Properties. C. Lugmair, claus.lugmair@ clariant.com

Coordination Chemistry: Characterization and Applications (oral and poster submissions). A. Larsen, alarsen@ithaca.edu

Coordination Chemistry: Synthesis and Characterization (oral and poster submissions). A. Larsen, alarsen@ithaca.edu

Electrochemistry (oral and poster submissions). N. Radu, nora.s.radu@gmail.com Emerging Research in Molecular Synthesis.

J. Yang, jyang@uci.edu; J. Hoover, jessica. hoover@mail.wvu.edu; V. Schmidt, schmidt@ucsd.edu; A. Campbell, campbell\_ alison\_nicole@illy.com

Environmental and Energy-Related Inorganic Chemistry (oral and poster submissions). S. Koch, koch.stephen@gmail.com

Inorganic Catalysts (oral and poster submissions). S. Koch, koch.stephen@gmail.com

Inorganic Chemistry for Sustainable Energy and Environment. L. Berben, laberben@ ucdavis.edu

Inorganic Chemistry Lectureship. W. Tolman, wtolman@umn.edu

Inorganic Nanoscience Award Symposium. J. Milstone, jem210@pitt.edu

Inorganic Spectroscopy (oral and poster submissions). C. Popescu, cpopescu@ colgate.edu

Inorganic Young Investigator Awards. A. de Bettencourt-Dias, abd@unr.edu

52 C&EN | CEN.ACS.ORG | JANUARY 14, 2019

Lanthanide and Actinide Chemistry (oral and poster submissions). A. de Bettencourt-Dias. abd@unr.edu

Main-Group Chemistry (oral and poster submissions). T. Hudnall, hudnall@txstate.edu Nanoscience (oral and poster submissions).

B. Trewyn, btrewyn@mines.edu Organometallic Chemistry: Catalysis.

N. Radu, nora.s.radu@gmail.com Organometallic Chemistry: Catalysis—Early Transition Metals. N. Radu, nora.s.radu@ gmail.com

Organometallic Chemistry: Catalysis—Late Transition Metals. N. Radu, nora.s.radu@ gmail.com

Organometallic Chemistry: Applications to Materials and Polymer Science (oral and poster submissions). N. Radu, nora.s.radu@ gmail.com

Organometallic Chemistry: Applications to Organic Transformations (oral and poster submissions). N. Radu, nora.s.radu@ gmail.com

Organometallic Chemistry: New Ligand Platforms (oral and poster submissions). N. Radu, nora.s.radu@gmail.com

Organometallic Chemistry: Synthesis and Characterization—Early Transition Metals (oral and poster submissions). N. Radu, nora.s.radu@gmail.com

Organometallic Chemistry: Synthesis and Characterization—Late Transition Metals (oral and poster submissions). N. Radu,

nora.s.radu@gmail.com Organometallics Distinguished Author Symposium. P. Chirik. pchirik@princeton.edu

Solid-State Inorganic Chemistry (oral and poster submissions). V. Poltavets, vpoltave@uno.edu; C. Lugmair, claus. lugmair@clariant.com

Surface Chemistry and Structure in Ligand Protected Nanoparticles. C. Johnson, chris.johnson@stonybrook.edu

Understanding Research at the Frontiers of Inorganic Chemistry. C. Nataro, naratoc@ lafayette.edu; S. Poland, poland@rosehulman.edu

#### MEDICINAL CHEMISTRY

### Program chair: J. Schwarz, FLX Bio, jschwarz@flxbio.com

Abstracts due March 18.

Approaches to the Treatment of NAFLD/ NASH. K. Currie, kevin.currie@gilead.com Catastrophic Epilepsies: How Medicinal Chemists Can Help. M.-J. Blanco,

maria- jesus.blanco@sagerx.com Discovery of Therapeutic Agents for Chronic HBV Infection. H. Shen, hong.shen.hs1@

roche.com; M. R. Mish, mmish@gilead.com Disease-Modifying Approaches for the

Treatment of Neurodegeneration. H. D. Zhang, hongjun\_zhang@merck.com; E. DiMauro, erin\_dimauro@merck.com

Drug Discovery beyond the Rule of Five. D. DeGoey, david.degoey@abbvie.com Emerging Targets for Drug Abuse Therapy.

C. Hopkins, corey.hopkins@unmc.edu First-Time Disclosure of Clinical Candi-

dates. E. DiMauro, erin\_dimauro@merck. com

General Orals. J. Schwarz, jschwarz@flxbio. com

General Posters. J. Schwarz, jschwarz@ flxbio.com

Machine Learning in Medicinal Chemistry. S. Patel, sejal.patel@novartis.com; J. Stec, jstec@ketchum.edu MEDI Awards Symposium. J. Schwarz, jschwarz@flxbio.com

No Linker Required: Non-PROTAC Degraders. G. Wang, wang.gina@gene. com; J. Liang, liang.jun@gene.com Optimizing Brain Penetration. A. Dounay,

adounay@coloradocollege.edu Pharma Leaders Symposium. K. Briner, karin.

briner@novartis.com
Privileged and Underprivileged Functional

Groups in Drug Design. K.-S. Yeung, kapsun.yeung@bms.com; P. Scola, paul. scola@bms.com; N. Meanwell, nicholas. meanwell@bms.com

Rising Stars: Women in Medicinal Chemistry. A. L. Garner, algarner@umich. edu

#### NUCLEAR CHEMISTRY AND TECHNOLOGY

Program chair: J. Auxier, Los Alamos National Laboratory, Chemistry, jdauxier2@gmail.com

Abstracts due March 18.

Celebration of the Centennial of Rutherford's First Nuclear Reaction. T. Bredeweg, toddb@lanl.gov; D. Porterfield, dporterfield@lanl.gov

Computational Methods for Lanthanides and Actinides: Theory and Applications (cosponsored with COMP; oral and poster submissions). D. Penchoff, dpenchof@utk. edu: C. Peterson, charles.peterson@unt.edu

General Topics in Radiochemistry. J. Schafer, jshafer@mines.edu; G. Surbella, robert. surbella@pnnl.gov

Molten Salt Reactor Chemistry, K. Myhre, myhrekg@ornl.gov; J. McFarlane, mcfarlanej@ornl.gov

Nuclear Forensics. J. Auxier, jdauxier2@gmail. com; N. Vanagas, nv137@georgetown.edu; G. Bull, geoffrey.bull@usma.edu Water Behavior in Concentrated

Electrolytes. S. Clark, sue.clark@pnnl.gov; A. Clark, auclark@wsu.edu

#### **ORGANIC CHEMISTRY**

Program chairs: S. Silverman, Merck & Co., Process Research and Development, steven.silverman@ merck.com; E. McLaughlin, Bard College, Dept. of Chemistry and Biochemistry, mclaughl@bard.edu

#### Abstracts due March 25.

- Artificial Intelligence in Organic Synthesis. A. A. Shah, akshay.shah@merck.com; V. W. Shurtleff, valerie.shurtleff@merck.com
- Asymmetric Reactions and Syntheses (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Biologically Related Molecules and Processes (oral and poster submissions). S. Silverman, steven.silverman@merck. com; E. McLaughlin, mclaughl@bard.edu

- C-H Activation (oral and poster submissions). S. Silverman, steven.silverman@merck. com; E. McLaughlin, mclaughl@bard.edu
- Chemistry and Water (oral and poster submissions). S. Silverman, steven. silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Chemistry of Fullerenes, Carbon Nanotubes,

and Graphene (oral and poster submissions). S. Silverman, steven.silverman@ merck.com; E. McLaughlin, mclaughl@ bard.edu

Cope Award Symposium.

Copper-Catalyzed C-Element Bond Cross-Coupling with Arylboronic Acids: 20th Anniversary of Chan-Lam Reaction Discovery. A. Watson, aw260@ st-andrews.ac.uk; Y. Du, yanming.du@ bblumberg.org

Development of New Strategies for the Synthesis and Functionalization of Strained Rings for Applications as Bioisoteres in Biologically Active Compounds. J. J. Mousseau, james. mousseau@pfizer.com

First-Generation Academic Faculty: Research Talks and Panel Discussion. S. Zultanski, susan\_zultanski@merck.com

Flow Chemistry and Continuous Processes (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLauohlin, mclauohl@bard.edu

From Lab to Commercial Scale: The Challenges to Scaling Up Flow Chemistry in the Pharmaceutical Industry. J. Naber, john.naber@merck.com; K. Malonev. kevin malonev@merck.com

Heterocycles and Aromatics (oral and poster submissions). S. Silverman, steven. silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

JOC/OL Lectureship.

Materials, Devices, and Switches (oral and poster submissions). S. Silverman, steven. silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Metal-Mediated Reactions and Syntheses (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Molecular Recognition and Self-Assembly (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

New Reactions and Methodology (oral and poster submissions). S. Silverman, steven. silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Organic Chemistry at Self-Assembling and Biological Interfaces. D. Bong, bong.6@ osu.edu

Organic Chemistry for Next-Generation Therapeutics. R. M. Franzini, raphael. franzini@utah.edu

Organometallics Distinguished Author Award. P. Chirik, pchirik@princeton.edu Peptides, Proteins, and Amino Acids (oral

and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Photoredox Chemistry (oral and poster submissions). S. Silverman, steven. silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Physical Organic Chemistry: Calculations, Mechanisms, Photochemistry, and High-Energy Species (oral and poster submissions). S. Silverman, steven. silverman@merck.com; E. McLaughlin, mclaughl@bard.edu Remarkable Women in Organic Chemistry.

R. Ruck, rebecca\_ruck@merck.com;

Sustainable Catalysis: Discovery through

Technical Achievements in Organic

takeda.com

Chemistry.

N. Goodwin. nicole.c.aoodwin@ask.com

Application. D. K. Leahy, david.leahy@

Tetrahedron Prize. S. Martin, sfmartin@mail. utexas.edu

Total Synthesis of Complex Molecules (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Young Academic Investigator Symposium. L. McElwee-White, Imwhite@chem.ufl.edu; H. Davies, hmdavie@emory.edu

Young Investigator Symposium. J. Aubé, jaube@unc.edu

#### PHYSICAL CHEMISTRY

Program chair: A. McCoy, U of Washington, Dept. of Chemistry, abmccoy@ uw.edu

Abstracts due March 18.

At the Interfaces of Experimental and Theoretical Nonlinear Optical Molecular Spectro-Imaging. W. Xiong, w2xiong@ ucsd.edu; L. Wang, Iwang@chem.rutgers. edu

Chemistry in Real Space and Time. V. A. Apkarian, aapkaria@uci.edu; E. Potma, epotma@uci.edu

Computational Quantum Chemistry: From Promise to Prominence: A Symposium in Honor of Henry F. Schaefer (cosponsored with COMP). E. Valeev, valeev76@vt.edu; T. D. Crawford, crawdad@vt.edu; D. Sherrill, sherrill@gatech.edu; P. R. Schreiner, prs@ uni-giessen.de

Getting to the Bottom: Optical and Electron Imaging of Reactive Chemical Systems. J. Biteen, jsbiteen@umich.edu; E. Ringe, er12@rice.edu; J. Sambur, jsambur@rams. colostate.edu

Hydration from the Gas to the Condensed Phase. E. Backus, backus@mpip-mainz. mpg.de; M. Bonn, bonn@mpip-mainz.mpg. de; F. Paesani, fpaesani@ucsd.edu

Molecular, Electronic, and Ionic Transport in Materials for Energy. X. Roy, xr2114@ columbia.edu; L. Madsen, Imadsen@vt.edu

Nanoscale and Molecular Assemblies: Designing Matter to Control Energy Transport. J. Foley, foleyj@wpunj.edu; J. Caram, jcaram@chem.ucla.edu; D. Hayes, dugan@uri.edu

PHYS Division Awards. A. B. McCoy, abmccoy@uw.edu

PHYS Poster Session. A. B. McCoy, abmccoy@uw.edu

- Physical Chemistry of the Atmosphere. A. Asa-Awuku, asaawuku@umd.edu; M. Freedman, maf43@psu.edu; J. Kroll,
- jhkroll@mit.edu Recent Developments in Biomaterials. T. Xu, tingxu@berkeley.edu; L. Yang, Ihyang@ uste edu co: A AlexandersKatz, aalexand@

ustc.edu.cn; A. Alexander-Katz, aalexand@ mit.edu Water in the Universe. G. A. Blake, gab@

gps.caltech.edu; S. loppolo, s.ioppolo@ qmul.ac.uk

#### **POLYMER CHEMISTRY**

Program chairs: T. Epps, U of Delaware, Dept. of Chemical and Biomolecular Engineering, thepps@ udel.edu; B. Helms, Lawrence Berkeley National Laboratory, bahelms@lbl.gov; H. Brown, Dow Chemical, hbrown1@ dow.com

Abstracts due March 18.

Biomacromolecules/Macromolecules Young Investigator Award (cosponsored with PMSE). P. Majumder, p\_majumder@acs.org Characterization of Plastics in Aquatic Environments (cosponsored with ANYL, BIOL, ENVR, I&EC, PMSE, and CEI). R. Mathers, rtm11@psu.edu; S. Orski, sara.orski@nist. gov; M. Pasquinelli, melissa\_pasquinelli@ ncsu.edu

DSM Graduate Student Award. J. van Gorp, judith.gorp-van@dsm.com

Eco-Friendly Polymerization (oral and poster submissions). D. Konkolewicz, d.konkolewicz@miamioh.edu; C. Boyer, cboyer@unsw.edu.au Future of Biomacromolecules at a Cross-

roads of Polymer Science and Biology (cosponsored with BIOL, CARB, CELL, COLL, ENVR, MEDI, PHYS, and PMSE; oral

and poster submissions). A.-C. Albertsson, biomac@polymer.kth.se; S. Percec, simona. percec@temple.edu General Topics: New Synthesis and Char-

acterization of Polymers (oral and poster submissions). D. Garcia, dana.garcia@ arkemagroup.com

Henkel Outstanding Graduate Research in Polymer Chemistry. M. Mahanthappa, maheshkm@umn.edu

Herman F. Mark Award.

Industrial Innovations in Polymer Science. S. Eastman, scott.eastman@utrc.utc.com Industrial Polymer Young Scientist Award. Overberger International Prize. R. Lane, talsdad@umich.edu; J. Pollak, jpollak@ umich.edu

Paul Flory's "Statistical Mechanics of Chain Molecules: The 50th Anniversary of Polymer Chemistry" (oral and poster submissions). A. Tonelli, atonelli@ncsu.edu; G.

Patterson, gp9a@andrew.cmu.edu **Polymeric Materials for Water Purification** (cosponsored with PMSE; oral and poster submissions). N. Lynd, lynd@che.utexas. edu; B. Freeman, freeman@che.utexas.edu; R. Segalman, segalman@enginering.ucsb.

edu; L. Katz, lynnkatz@mail.utexas.edu Polymerization-Induced Nanostructural Transitions. A. Magenau, ajm496@drexel.

edu; R. Hickey, rjh64@psu.edu; S. Armes, s.p.armes@sheffield.ac.uk

Polymers for Defense Applications (oral and poster submissions). R. Lambeth, robert.h.lambeth2.civ@mail.mil; T. Pruyn, timothy.pruyn.1@us.af.mil; P. Zarras, peter.zarras@navy.mil; A. Savage, alice.m.savage2.civ@mail.mil; D. Poree, dawanne.e.poree.civ@mail.mil

#### POLYMERIC MATERIALS: SCIENCE AND ENGINEERING

Program chairs: J. Schaefer, U of Notre Dame, Dept. of Chemical and Biomolecular Engineering, jennifer.l.schaefer.43@nd.edu; T. Bunning, Air Force Research Laboratory, timothy.bunning@us.af.mil; C. Snyder, National Institute of Standards and Technology, Materials Science and Engineering Division, chad. snyder@nist.gov

Abstracts due March 18.

Advances in Bioconjugate Materials for Biomedical Applications. V. M. Rotello, rotello@chem.umass.edu; C. G. England, c\_england@acs.org; E. Lavik, lavik-office@bioconj.acs.org; B. Smith, smith-office@bioconj.acs.org; G. Zheng, zheng-office@bioconj.acs.org; G. Zheng, zheng-office@bioconj.acs.org; C. Zheng, dmcdanie@chem.umass.edu Bioconjugate Chemistry Lectureship and Award Symposium. V. M. Rotello, rotello@chem.umass.edu; C. G. England, c\_england@acs.org; E. Lavik, lavik-office@ bioconj.acs.org; B. Smith, smith-office@ bioconj.acs.org; J. van Hest, vanhestoffice@bioconj.acs.org; C. Zheng, zhengoffice@bioconj.acs.org; D. McDaniel, dmcdanie@chem.umass.edu

Chemistry of Materials Lectureship and Award Symposium. J. Buriak, jburiak@ ualberta.ca; C. Toro, c\_toro@acs.org; C. Soles, csoles@nist.gov

Eastman Chemical Student Award. J. Gilmer, jwgilmer@king.edu; J. Jenkins, jjenkins@ eastman.com

Emulsification and Encapsulation by Soft-Matter Techniques (cosponsored with POLY). R. K. Prud'homme, prudhomm@princeton.edu; F. Ganachaud, francois.ganachaud@insa-lyon.fr; R. D.

Priestley, rpriestl@princeton.edu General Papers/New Concepts in Polymeric Materials. T. Bunning, timothy.bunning@ us af mil

Innovations in Drug Delivery Systems: Recent Breakthroughs and New Approaches in Formulation, Drug-Delivery Mechanisms, and Advanced Delivery Systems. A. Kulshrestha, ankur.kulshrestha@bms. com; S. Sridharan, srini.sridharan@bms. com

Journal of Polymer Science Innovation Award Symposium. C. Hawker, hawker@ chem.ucsb.edu; J. Mahoney, jmahoney@ wiley.com

PMSE Future Faculty. E. Pentzer, ebp24@ case.edu; C. DeForest, profcole@uw.edu

PMSE Young Investigator Symposium. A. Esser-Kahn, aesserkahn@uchicago.edu; D. Watkins, dwatkins@olemiss.edu PMSE/POLY Plenary Lecture and Awards

Symposium (cosponsored with POLY). M. Becker, becker@uakron.edu; S. Morgan, sarah.morgan@usm.edu

PMSE/POLY Poster Session. T. Bunning, timothy.bunning@us.af.mil

Polymer Science and Engineering in Microelectronics. Q. Lin, qinghuang.lin@ asml.com

Roy W. Tess Award. T. Provder, tprovder@ att.net

Toughening of Networks and Gels through Molecular Design (cosponsored with POLY). B. Vogt, vogt@uakron.edu; H.–J. Chung, chung.hi]3@ualberta.ca; C. Bowman, christopher.bowrnan@colorado.edu

Unique and Complex Polymer Architectures. K. C. Bentz, kbentz@ucsd.edu; D. A. Savin, savin@chem.ufl.edu

#### **PROFESSIONAL RELATIONS**

Program chair: R. Libby, Moravian College, Dept. of Chemistry, libbyr@ moravian.edu

Abstract due date unavailable at press time.

#### RUBBER

Will not be hosting symposia at this meeting.

#### SMALL CHEMICAL BUSINESSES

Program chair: J. Sabol, Chemical Consultant, jsabol@chem-consult.com

Abstracts due March 21.

Advancing Innovation and Entrepreneurship: Launch, Leverage, and Lead. M. Chorghade,

chorghade@gmail.com Chemical Business Poster Session. G. Ruger, gruger04@yahoo.com

Gerry Meyer: The First 100 Years. W. F. Carroll Jr., wcarroll@indiana.edu; J. L. Liu, iinobo.liu@chem.tamu.edu

Global Entrepreneurship Establishes Businesses and Collaborations. M. Chorghade, chorghade@gmail.com

Holistic Approaches to Sustainability in Chemical Businesses. J. Tanir, jentanir@ towardsafer.com; A. Paradise, allison@ mygreenlab.org

Liquid Assets: The Business of Water (cosponsored with ANYL). V. Rajasekharan, vrajasek@hach.com

#### COMMITTEE ON ENVIRONMENTAL IMPROVEMENT

Will not be hosting symposia at this meeting.

#### COMMITTEE ON MINORITY AFFAIRS

Will not be hosting symposia at this meeting.

#### **COMMITTEE ON SCIENCE**

Program chair: M. Fisher, Saint Vincent College, Depart. of Chemistry, matt.fisher@stvincent.edu

Abstracts due March 25.

#### INTERNATIONAL ACTIVITIES COMMITTEE

Abstract due date not available at press time.

#### SOCIETY COMMITTEE ON EDUCATION

Program chair: V. Goss, Chicago State U, vgoss@csu.edu

Abstracts due March 25.

#### WOMEN CHEMISTS COMMITTEE

Program chair: R. Cole, U of Iowa, Dept. of Chemistry, renee-cole@ uiowa.edu

Abstracts due March 22. Eli Lilly: Supporting Women in Chemistry. M. Jeffries-El, malikaj@bu.edu

#### YOUNGER CHEMISTS COMMITTEE

Program chair: D. Williams, Stony Brook U, williamsde20@gmail.com

Abstract due date unavailable at press time.