



American Chemical Society Susquehanna Valley Section

SEPTEMBER 2021 NEWSLETTER

The American Chemical Society, Susquehanna Valley Section will begin holding monthly meetings again this season. The four hundred and fifty eighth SVS meeting will be held on Wednesday, September 15, 2021 at 7:00 pm in the Center Room in the Elaine Langone Center on the Bucknell University campus in Lewisburg, PA. The speaker will be Murray Johnston, Ph. D., Professor of Chemistry and Associate Dean for the Natural Sciences at the University of Delaware. Due to COVID precautions there will be no scheduled meeting or meal before the presentation. Furthermore, masks are required in all buildings at Bucknell University regardless of vaccination status.

“Aerosol Chemical Processes in the Atmosphere”

Dr. Murray Johnston
Professor of Chemistry
Associate Dean for the Natural Sciences
University of Delaware
Newark, DE

Airborne particles strongly influence climate and human health. Understanding these impacts requires knowledge of the chemical processes associated with particle formation and growth. The first part of this presentation will draw from recent work by our group (including a Bucknell graduate!) to elucidate chemical mechanisms of nanoparticle growth through a combination of field measurements and laboratory studies. The second part of this presentation will focus specifically on the unique environment of aqueous aerosol particles, which can show enhanced reactivity relative to what would normally be observed in a bulk solution containing the same reactants. If you think you have “seen everything” in chemistry, come and enjoy the unusual world of aerosols.

BIOGRAPHY OF DR. JOHNSTON:

Murray Johnston is Professor of Chemistry and Associate Dean for the Natural Sciences and Mathematics at the University of Delaware. He received his B.S. in Chemistry from Bucknell University and Ph.D. in Chemistry from the University of Wisconsin, Madison. He has coauthored over 200 publications and has received the Delaware Section Award for research from the American Chemical Society and the Benjamin Y.H. Liu Award for advances in aerosol instrumentation from the American Association for Aerosol Research. He has served as President of the American Association for Aerosol Research and has served on multiple committees of the National Academy of Sciences involving aerosol detection.

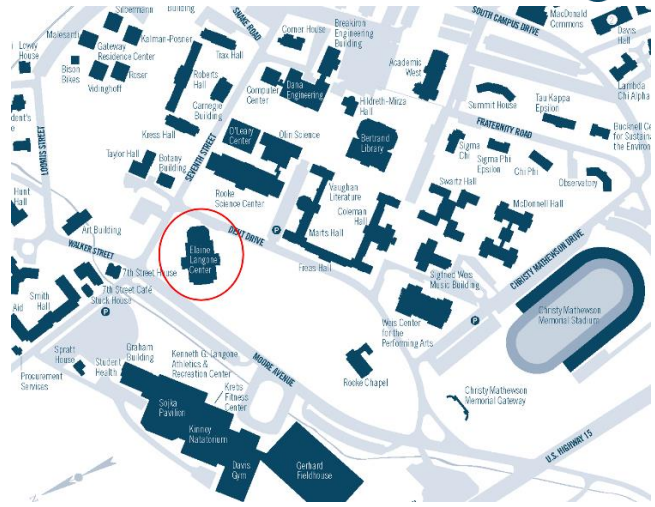
DIRECTIONS TO BUCKNELL UNIVERSITY:

Address of the Elaine Langone Center: 701 Moore Ave, Lewisburg, PA 17837

<p>East of Lewisburg:</p> <ol style="list-style-type: none"> 1. Interstate 80 West to Exit 210A 2. Route 15 South 3. At 11th traffic light (the first light after crossing Route 45 (Market Street)), turn left onto Moore Avenue. (Look for the Bucknell Athletic Stadium on the left.) 	<p>West of Lewisburg:</p> <ol style="list-style-type: none"> 1. Interstate 80 East to Exit 210A 2. Route 15 South 3. At 11th traffic light (the first light after crossing Route 45 (Market Street)), turn left onto Moore Avenue. (Look for the Bucknell Athletic Stadium on the left.)
<p>South of Lewisburg:</p> <ol style="list-style-type: none"> 1. Take Routes 11&15 North 2. When Routes 11 & 15 split, stay on Route 15 3. Approx. 7 miles after Selinsgrove / Shamokin Dam, you'll come to a stop light. Bucknell is on your right. (Look for the Bucknell Athletic Stadium on right.) 	<p>North of Lewisburg:</p> <ol style="list-style-type: none"> 1. Take Route 15 south 2. Once past Interstate 80, turn left on Moore Avenue at the 11th traffic light (the first light after crossing Route 45 (Market Street)). (Look for the Bucknell Athletic Stadium on the left.)

Once on campus: Follow the campus map below to the visitor parking designated with a **P**.

CAMPUS MAP
LEWISBURG, PENNSYLVANIA



Online campus maps can be found at <http://www.bucknell.edu/script/communication/map/>

LOCAL SECTION NEWS:

2021 – 2022 LOCAL SECTION MEETING SCHEDULE:

- | | |
|---|---|
| 15-Sept-2021: Bucknell University
<i>Note this is the third Wednesday in September</i> | 9-Feb-2022: University of Scranton |
| 20-Oct-2021: Wilkes University
<i>Note this is the third Wednesday in October</i> | 9-March-2022: Susquehanna University |
| 10-Nov-2021: Lycoming College | 20-April-2022: King’s College
<i>Note this is the third Wednesday in April</i> |
| Jan 2022: Executive Board Meeting | May-2022: Awards Banquet |

2022 LOCAL SECTION ELECTIONS:

Nominations are due for the position of Chair-elect. If interested, please contact any [section officer](#).

2021 LOCAL SECTION AWARDS:

ACS Longevity Award

DR. CHARLES SPAINHOUR

50-year member

Joseph Priestley Service Award

DR. DAVID ROVNYAK

Bucknell University

Ron Blatchley High School Chemistry Teacher of the Year Award

MS. TRACY HEPNER

Selinsgrove High School

Outstanding High School Chemistry Students

In lieu of the winners of the annual SVS High School Chemistry Exams, the best SVS chemistry high school students were identified by local chemistry teachers. The SVS would like to congratulate the following honorees:

WADE DOUGLAS CURTIS	Dallas High School Teacher – Mr. John Fredericks	SARAH O'BRIEN	Montoursville High School Teacher – Ms. Natalie Smith
LOGAN MOORE	Dallas High School Teacher – Ms. Joann Morris	SAMANTHA NIKULA	Montrose High School Teacher – Mr. David Corbin
MARINA CIAVARELLA	Hanover Area Jr/Sr High School Teacher – Dr. Jocelyn Holodick-Reed	ALAINA BRELSFORD	Muncy Jr/Sr High School Teacher – Ms. Robin Peterman
JOSHUA CLARK	Honesdale High School Teacher – Ms. Michelle Tonkin	JOHN GREENFIELD	Old Forge High School Teacher – Ms. Adrianna Rupprecht
BROOKE TYSON	Jersey Shore Area High School Teacher – Mr. William Ferguson	STEPHANIE YATKO	Scranton Preparatory School Teacher – Ms. Donna Barrett
TIMOTHY SWEITZER	Jersey Shore Area High School Teacher – Mr. Alex Hunter	CIERRA ADAMS	Selinsgrove Area High School Teacher – Ms. Tracy Hepner
ALISA LO	Lewisburg Area High School Teacher – Ms. Angela Gockley	LORISSA SNYDER	Shikellamy High School Teacher – Ms. Yvonne Ferrante
HANNAH RUOHONIEMI	Line Mountain High School Teacher – Dr. Shelley Herb-Fausey	NICHOLAS KOONTZ	Shikellamy High School Teacher – Ms. Jenna Mowery
LAUREN K. REAMAN	Marian Catholic High School Teacher – Mr. Robert Valente	KHUSHI PATEL	South Williamsport Area High School Teacher – Mr. Matthew Easley
JOSHUA HAUCK	Mifflinburg Area High School Teacher – Mr. Matthew Wells	MADISON MORTENSEN	Upper Dauphin Area High School Teacher – Mr. Todd Smeltz
HOPE SWAREY	Mifflinburg Area High School Teacher – Mr. Jeffrey Kiss	JEREMIAH PAULER	Western Wayne High School Teacher – Ms. Maria Masankay
LUKE ROUP	Milton Area High School Teacher – Mr. Jonathan Bixler	NOLAN L. SAUERS	Williamsport Area High School Teacher – Dr. Jennifer Flint
JILLIAN MCGEEHIN	Mmi Preparatory School Teacher – Ms. Melissa Mchale	CHARLES ALFANO	Wyoming Area Secondary Center Teacher – Mr. Gordon Williams
ROMAN RING	Montoursville High School Teacher – Ms. Hannah Ostrander		

National Chemistry Week Awards

KAYLA PEIRCE GRADE 9-12	Western Wayne High School Teacher – Ms. Maria Masankay
Kayla also came in second place for the ACS national competition	
ALEXA FAZIO GRADE 6-8	Freeland Elementary/Middle School Teacher – Ms. Catherine Tombasco
JILLIAN GETSIE GRADE 3-5	Drums Elementary/Middle School Teacher – Ms. Catherine Tombasco

College Award Winners

STEPAN BUDKIN	Bloomsburg University
MADELEINE ATWOOD	Bucknell University
CASEY E. CRYAN	King's College
LUCILLE CULLEN	Lycoming College
DANIELLE RODNEY	Misericordia University
AMANDA PECORA	University of Scranton
ERICA ALLEN	Susquehanna University
MICHAEL K. PETTIT	Wilkes University

OPEN POSITIONS IN THE LOCAL SECTION:

Do you want to use your talents to help other chemists in the Susquehanna Valley section? Listed below are examples of positions that need to be filled by willing individuals along with websites that give organizing ideas:

- SVS Chair-Elect
This two-year position is the usual office taken on by local chemists who want to begin to become more involved in the local section.
- [Chemistry Olympiad](#) Chair
Administer Local Chemistry Olympiad Competitions in coordination with the National Chemistry Olympiad.
- WCC ([Woman Chemists Committee](#)) Chair
Help attract, retain, develop, promote, and advocate for women to positively impact diversity, equity and inclusion in the Society and the profession
- Project SEED ([Summer Experiences for the Economically Disadvantaged](#)) Coordinator
Coordinators are responsible for establishing programs, identifying mentors, recruiting students, fundraising, and organizing activities such as field trips
- CH&S ([Chemical Health and Safety](#)) Committee Chair
Help provide authoritative technical resources and mentorship in chemical health and safety for all
- SCC ([Senior Chemists Committee](#)) Chair
Help improve communication among senior chemists, increase the number of senior chemists' groups and the level of their engagement within local sections, and encourage the involvement of senior chemists in programs focused on K-12 education, undergraduate networking, and mentoring
- CCEW ([Chemists Celebrate Earth Week](#)) Coordinator
Help promote the positive role that chemistry plays in the protecting our planet (recyclable plastics, cleaner-burning fuels, phosphate-free detergents, environmental monitoring, and green chemistry initiatives).

If you are interested, contact the section Chair (Allison Saunders, saundersa@lycoming.edu), Secretary (Ronald Supkowski, ronaldsupkowski@kings.edu) or any member of the Susquehanna Valley Section leadership team ([executive committee](#), [committee chairs](#), [liaisons](#)).

LOCAL STEM COMPETITIONS:

We have posted a list of all STEM (Science, Technology, Engineering, Mathematics) competitions for high school students on our website:

<http://departments.kings.edu/SusquehannaValleyACS/services/STEM.html>

If you have any questions about the contests or have suggestions for others, please contact either the person indicated on the site or the section webmaster, Ron Supkowski at ronaldsupkowski@kings.edu or 570-208-5900 x5733



Society for Analytical Chemists of Pittsburgh Spectroscopy Society of Pittsburgh



300 Penn Center Boulevard, Suite 332, Pittsburgh, PA 15235-5503
 Phone 412-825-3220 / FAX: 412-825-3224
 e-mail: sacpinfo@pittcon.org / www.sacp.org
 e-mail: sspinfo@pittcon.org / www.ssp-pgh.org

The Spectroscopy Society of Pittsburgh (SSP) and the Society for Analytical Chemists of Pittsburgh (SACP) have decided to expand their geographical membership location to include the SVS. The membership of the SSP and SACP organize the Pittsburgh Conference (Pittcon), a nonprofit whose proceeds are distributed to their societies so that they may complete various outreach and educational programs. The SSP and SACP has provided their technical program for the current season, which has been included in this newsletter. If you would like more Information about joining these societies or attending their meetings virtually, please visit their websites at sacp.org and ssp-pgh.org

SSP/SACP 2021–2022 MONTHLY MEETING CALENDAR

Technology Forum – 5:30 pm
 Business Meeting – 7:15 pm
 Technical Program – 8 p.m.
 *Note – Different times for September Meeting

Date	Speaker / Institution / Topic	Host	Date	Speaker / Institution / Topic	Host
Sept 22, 2021 <i>SACP Technical Program</i>	6:45 Business Meeting, 8 p.m. Technical Program Dr. Rita Mihalescu, Duquesne University Genomic Rna Dimerization And Viral-Host Interactions I N Sars-Cov-2	SACP	<i>SSP Technology Forum</i>	TBA	
Oct 13, 2021 <i>SSP Technical Program</i>	Reid Frazier, Energy Reporter, The Allegheny Front Covering Western PA's Energy & Environmental Issues	SSP	Jan. 26, 2022 <i>SSP Technical Program</i>	Paul Ohodnicki, University of Pittsburgh Application of Fiber Optic Sensing for Remote Detection in Harsh Environments	SSP
Nov 17, 2021 <i>SSP Technology Forum</i>	Victoria Ren, Co-founder & Executive Director, Stem and Buds Stem & Buds Youth Mentoring Initiative	SACP	Feb 16, 2022 <i>SSP Technology Forum</i>	Paul Gardulo, Co-Director of the Center for the Study of Global Slavery, Smithsonian National Museum of African American History and Culture Slave Wrecks Project	SACP
Dec. 2020	No Meeting --Happy Holidays!		<i>SACP Technical Program</i>	Dr. Lisa Jones, University of Maryland School of Pharmacy In-Cell Protein Footprinting Coupled with Mass Spectrometry for Structural Biology Across the Proteome	
			March 5-9, 2022		Elias S. Absey, President
			April 13, 2022 <i>SSP Technical Program</i>	SSP/SACP Former Chair Night Hannah Kaplan, Ph.D., NASA Goddard Space Flight Center Analysis of the Asteroid Benu as Part of the OSIRIS-Rex Mission	SSP
			May 25, 2022	Awards Banquets Student Union Building - Duquesne University	SACP, SSP & ACS

NATIONAL ACS NEWS:

COVID-19

ACS is committed to helping combat the global COVID-19 pandemic with initiatives and free resources. Learn More at their website acs.org/content/acs/en/covid-19

ACS LEGISLATIVE ACTION NETWORK:

Legislation that may impact the chemical enterprise comes before Congress on a regular basis, and the ACS is committed to keeping its members informed and encouraging them to weigh in on high-priority issues. To see the position of the ACS on many legislative issues visit the ACS LAN website:

<https://www.acs.org/content/acs/en/policy.html>

To find out how to become more active in ACS advocacy activities, see the website:

<https://www.acs.org/content/acs/en/policy/memberadvocacy/advocacy-tools.html>

To join ACS' grassroots legislative advocacy network, ACT4CHEMISTRY, which will allow you to stay up to date on policy issues and contact legislators on behalf of chemistry and chemists, go to their website, follow the [Act4Chemistry Twitter](#) account, or email advocacy@acs.org.

Act4Chemistry Advocacy Issues. To take action go to the website

[acs.org/content/acs/en/policy/memberadvocacy/issues.html#/takeaction](https://www.acs.org/content/acs/en/policy/memberadvocacy/issues.html#/takeaction)

Ask Congress to support the Research Investment to Spark the Economy (RISE) Act

We encourage you to ask that your members of Congress cosponsor and support the Research Investment to Spark the Economy (RISE) Act, [H.R. 869](#) and [S. 289](#). These bipartisan bills would authorize supplemental funding for a variety of research agencies.

Support the Chemical Safety Board

The CSB is an independent federal agency that saves companies, universities, and local communities billions of dollars and countless lives by helping them prevent catastrophic incidents. Despite its great value, the administration has called for \$9.4 million for FY 2019 to be allocated to CSB, specifically for its elimination. Join us in asking appropriators and other members of Congress for their continued support of the CSB and its mission to protect workers and the public.

Keep Science Funding Strong

Congress and the White House are working to complete the appropriations process for fiscal year 2021. Join us in asking appropriators for a strong and predictable boost in federal funding for scientific research.

Congressional Chemistry Caucus

The Caucus' mission is to educate Members of Congress, their staff, and the public on the benefits of chemistry in today's society and its economic impact on our country. If you do not see your Representative or Senators represented in the Chemistry Caucus ask them to join.

JOIN THE ACS:

If you know of anyone who would benefit from being a member of the American Chemical Society, please direct them to the membership website:

<https://www.acs.org/content/acs/en/membership-and-networks/acs/join.html>

NATIONAL MEETINGS:



Spring 2022 ACS National Meeting

The spring 2022 national meeting, “Bonding Through Chemistry” will be held In-Person and Virtual. The meeting will be held March 20-24, and the in-person event will take place in San Diego, CA. Abstract submission is now open through Monday October 11. See the [website](#) for more information.

ACS Virtual Career Day: Inspiring Women In Chemistry: Career Conversations Driven by Pfizer Tuesday, September 28, 2021

Register for this FREE half-day career development workshop for undergraduate and graduate students interested in the advancement of women in the chemical sciences. Attendees will interact with notable scientists at Pfizer and ACS Career Consultants during keynote and panel discussions on career planning, breakthrough science, and advocating for a healthy work-life balance. See [website](#) to register.

ACS Converge: Conversations on Real-World Applications of Science

Join ACS on Tuesday, October 5th at 11am, ET for ACS Converge, a new virtual event for scientists looking to engage in interdisciplinary discussions on innovations leading the chemical enterprise. Attend talks on real-world applications of research and leave inspired by the ways science can solve global problems. See [website](#) to register.

CHAS Workshop: Empowering Academic Researchers to Strengthen Safety Culture October 17, 2021

This 4-hour workshop is primarily directed at frontline researchers in academic institutions: graduate students, postdoctoral scholars, and undergraduate students. Faculty and safety staff are also very much encouraged to participate. Workshop goals are to 1) Educate participants about the value of risk assessment 2) Guide participants towards gaining awareness of safety culture messages from the leadership at their institutions 3) Empower participants to expand their safety networks and develop laboratory safety teams. See [website](#) to register.

Susquehanna Valley Section Web Page: <http://departments.kings.edu/SusquehannaValleyACS>

Please send any comments about the monthly newsletter to Ron Supkowski, Section Secretary
King's College 131 N River St Wilkes-Barre PA 18711 ronaldsupkowski@kings.edu
