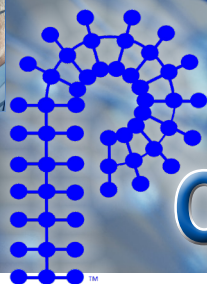


Fall 2022



POLY NEWSLETTER

American Chemical Society
Division of Polymer Chemistry, Inc.



2022 POLY Chair
Semra Colak Atan

It is hard to believe that my term as the 2022 POLY Chair is coming to an end. It has been a great year for POLY with two well attended National Meetings (hybrid), 4 completed and 2 upcoming workshops, 2 highly attended webinars, and confirmed participation in the upcoming Regional Meetings (MWRM, WRM, and NERM). All these activities were true celebrations of polymer science made possible by our dedicated and enthusiastic volunteers as well as the support from our membership. We thank you all for your invaluable service!

At the Fall ACS Meeting in Chicago, POLY continued to demonstrate that it is “the premier professional organization promoting science and its value to society”. The theme of the meeting was Sustainability in a Changing World and POLY hosted multiple outstanding symposia. We led discussions on Circular Economy of Polymers, Design of Polymers toward Upcycling, Federally Funded Research for Polymer Circularity, Green Polymer Chemistry & Sustainability, and Polymer Characterization for Sustainability including symposia highlighting Industrial Innovations and celebrations of POLY Awardees.

This meeting held a special meaning for our Division as we were thrilled to recognize the outstanding achievements of two of our Past POLY Chairs and true leaders of polymer chemistry and science: Prof. Mark Hillmyer was recognized as the 2022 Herman F. Mark Senior Scholar and Dr. Kathryn Beers was recognized as the 2022 Herman F. Mark Scholar. Please join me in congratulating them as well as our valuable members who made and continue to make an incredible impact in the polymer field. The 2022 Fall ACS POLY awardees are listed on pages 2 and 3. Also, I'd also like to remind our membership that one of our benefits is the eligibility to be nominated to receive POLY awards, so I encourage you to nominate worthy candidates for the upcoming awards. (Pg. 4)

As we approach the end of the year, another reminder I'd like to give you is the upcoming POLY election. As in the past, we have an outstanding slate of candidates who are looking forward to serving POLY. Please be sure to review their bios and vote during the POLY elections. (Pg. 5)

Finally, I'd like to thank YOU, our members, for your continued support. While recruitment of new members and retention of existing members was challenges across all divisions of the ACS for the past few years, we were thrilled to see POLY numbers go up this year. We hope to continue this trend with your support and make POLY stronger. Thus, I would like to encourage you to consider joining our team of volunteers and contribute to improving POLY membership numbers and the broader community.

It has been my great pleasure and honor to serve as the 2022 POLY Chair and I'd like to thank you for giving me this opportunity. My sincere thanks go to our amazing team of volunteers and staff who collectively make POLY a great Division!

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Chair's Message

Awards

Elections

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Workshops

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Student Chpts.

MARCO Edu.

National Mtg.

Councilors' Rpt.

Treasurer's Rpt.

Upcoming

October 16
Polymers &
Nano. Workshop

October 31
YIPS Award
Deadline

November 1
Herman F. Mark
Award Deadline

November 28
Polymers in
Medicine & Bio.
Workshop

November 30
POLY Fellows
Award Deadline

PMSE/POLY Plenary Speaker



Dr. Kathryn Beers

National Institute of Standards and Technology

Presentation Title: A More Sustainable Future via Polymer Circularity

The POLY/PMSE awards reception was held Wednesday, August 24, 2022, at the ACS National Meeting in Chicago, IL, honoring outstanding achievements by its members. POLY Chair, Semra Colak had the pleasure of congratulating the fall POLY awardees

ACS Macro Letters/Biomacromolecules/Macromolecules Young Investigator Award



Prof. Changle Chen

University of Science and Technology China

For making a major impact early in their career

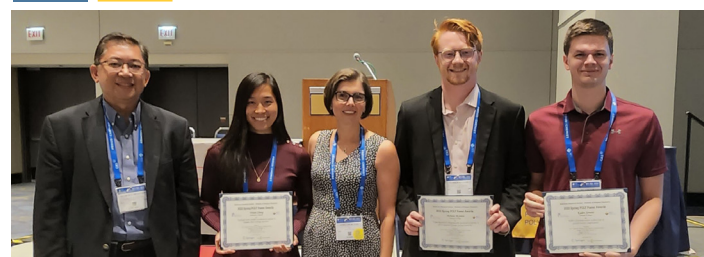


Prof. Rebekka Klausen

John Hopkins University

For making a major impact early in their career

POLY Outstanding Poster Award



Awardees pictured left to right: Vivian Zhang, Northwestern Univ., Nicholas Boynton, Univ. of Chicago, & Kaden Stevens, Univ. of Chicago

For the importance and visibility of posters being presented at ACS National Meetings in the POLY section

Sponsored by



ACS POLY Fellows



James Bohling

Dow



Annaliese K. Franz

University of California, Davis



Paula T. Hammond

Massachusetts Institute of Technology



Megan L. Robertson

University of Houston



Nicole L. Snyder

Davidson College



Shu Yang

University of Pennsylvania

Event Sponsored by

ACS **Macro Letters**

BioMACROMOLECULES

Macromolecules

Henkel Award for Outstanding Research in Polymer Science & Engineering

Sponsored by



Dr. Jill W. Alty

University of North Carolina, Chapel Hill

For completing an outstanding PhD thesis in research at a university in the US or Canada.

POLY Awards Committee

Chair

Alan Hopkins
Alan.R.Hopkins

@aero.org

Hayley Brown
hbrown1

@dow.com

Toby Nelson
toby.nelson

@okstate.edu

Additional Information

Carlee Black

CARLEEL

@VT.EDU

The Awards Committee is unable to solicit individual nominations and serve to select awardees. For POLY to provide a diverse awards recipient list, we need YOU to nominate outstanding scientists.

<https://polyacs.org/AWARDS/>

Herman F. Mark Young Scholar Award



Prof. Zachary Hudson

University of British Columbia

For excellence in basic or applied research and leadership in polymer science

Herman F. Mark Scholar Award



Dr. Kathryn Beers

National Institute of Standards and Technology

For excellence in basic or applied research and leadership in polymer science

Herman F. Mark Senior Scholar Award



Prof. Marc Hillmyer

University of Minnesota

For excellence in basic or applied research and leadership in polymer science

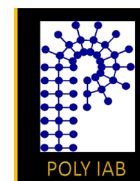
POLY Graduate Student Travel Award



Awardees pictured left to right:
Dhananjay Dileep, Iowa State University &
Brianna Coia, Florida State University

For graduate students studying polymer science at US institutions to travel to national ACS meetings and present their results

Sponsored by



Young Industrial Polymer Scientist Award

Deadline: 10/31/2022

Purpose: Recognize outstanding industrial innovation and creativity in the application of Polymer Science, conducted by young individual scientists.

Herman F. Mark Polymer Chemistry Award

Deadline: 11/1/2022

Purpose: Recognize and reward excellence in innovative Ph.D. research in polymer technology.

POLY Fellows Award

Deadline: 11/30/2022

Purpose: Recognize outstanding achievements in & contributions to polymer science & the profession.

Henkel Award for Outstanding Graduate Research in Polymer Science & Engineering

Deadline: 1/25/2023

Purpose: Recognize a PhD graduate student or recent graduate who has completed an outstanding Ph.D. thesis in research at a university in the US or Canada.

ACS Macro Letters/ Biomacromolecules/ Macromolecules Young Investigator Award

Deadline: 1/2023

Purpose: Recognizes two individuals, early in their careers, who have made a major impact on the field of polymer science.

Charles G. Overberger International Prize for Excellence in Polymer Research

Deadline: 2/20/2023

Purpose: Recognize & encourage accomplishments of unusual merit in the field of basic or applied polymer science.

Recently announced!

Carl S. Marvel Award for Creative Polymer Chemistry



Rodney Priestley

Princeton University

Recognizing accomplishments and innovations of unusual merit in the field of basic or applied polymer science by younger scientists

Professor Rodney D. Priestley of Princeton University is currently the new Dean of the Graduate School and the Pomeroy and Betty Perry Smith Professor of Chemical and Biological Engineering. His creative work in polymer science has embodied the type of creative and risk-taking work spanning basic and use-inspired research, which this Marvel Award seeks to recognize. Throughout his prestigious career, Prof. Priestley has made many significant and creative contributions to the field of polymer physics and chemistry. For example, he developed a novel way to tease out physical measurements of polymers which helped reveal thermal properties (with nanoscale resolution) that otherwise would have been impossible to measure. He also developed many disruptive technologies, including a structured polymer colloid manufacturing process and a polymer membrane for sustainable water production, both overcoming long-standing and well-established challenges to enable technology translation. These are but a few contributions Rod has made to the scientific community leader.

A half-day symposium in his honor will be held at the Spring 2023 ACS National Meeting.

2022 POLY ELECTION

An email will be sent to voting members containing login instructions

Watch for an email from VOTENOW on October 17th

If you do not receive an email send an email to KATHYL@VT.EDU

Keep your contact information up-to-date! Send updates directly to SERVICE@ACS.ORG.

ELECTIONS GO LIVE 10/17-11/16

Vice Chair Candidates

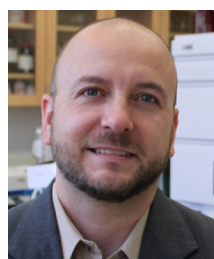


Michael Hunt
The Chatham Group



Laura Stratton
PCI

Secretary Candidates



Justin Kennemur
Florida State Univ.



Jessica Kramer
Univ. of Utah

Councilor Candidates #1



Kathryn Beers
NIST



Emily Pentzer
Texas A&M Univ.

Councilor Candidates #2



Mark Dadmun
Univ. of Tennessee



Greg Tew
Univ. of Mass. Amherst

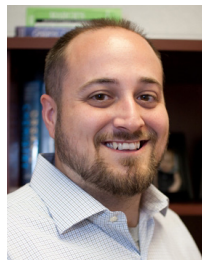
Alternate Councilor Candidates (Select 2)



Phil Costanzo
Cal Poly



Mark Grinstaff
Boston Univ.



Brian Long
Univ. of Tennessee



Bradley Rodier
Rocal Ind.

Go online to <https://polyacs.org/elections/>
to see election history, officer duties, and other election information.

LIVE ACS/POLY CO-SPONSORED WEBINARS

POLY continuously strives to find new ways to deliver educational opportunities to both POLY members and the greater scientific community. The goal is to provide easily accessible information on cutting-edge science while requiring no travel to meetings. ACS and POLY are now offering co-sponsored webinars for FREE for ACS members. A live ACS/POLY Webinar features two speakers with 20 minute presentations followed by a Q&A session at the end. Following the LIVE broadcast, the webinar is posted to the ACS WEBINARS website.

Do you have any webinar topics you would like to see?

You can email Tomonori Saito (saitot@ornl.gov), Laura Stratton (laura@polychemistry.com), or Brent Sumerlin (sumerlin@chem.ufl.edu) with your suggestions.

View ACS/POLY Webinars on ACS Webinars

The 3D Printing Revolution: Advances in Material Design and Methods

Self-Healing Polymers and Vitrimers

Bioconjugation in Polymer Chemistry



Solving the Plastic Waste Problem

Polymers of the Pandemic

Designing Bio-Sourced Polymers that Enable Recycling

Role of Polymer Science in Water Purification Membranes

How Polymeric Materials Protect Our Armed Forces

View Past POLY Webinars on YouTube at <https://bit.ly/POLYCHANNEL>

CONNECTING WITH POLY MEANS CONNECTING WITH YOUR COMMUNITY

POLY E-LIST

<https://polyacs.org/poly-electronic-discussion-list/>

POLY WEB

www.polyacs.org



[@POLY_ACS](http://www.twitter.com/POLY_ACS)



www.facebook.com/ACSPOLY/
"ACS Division of Polymer Chemistry"



<http://bit.ly/youtubepoly>
"ACS Division of Polymer Chemistry"



www.linkedin.com
"Division of Polymer Chemistry"

POLYMERS AND NANOTECHNOLOGY

October 16 - 19, 2022
Embassy Suites by Hilton Napa Valley
Napa, CA USA
Organizers: Laine & J. Grunlan

POLYMERS IN MEDICINE AND BIOLOGY

November 28 - December 1, 2022
Embassy Suites by Hilton Napa Valley
Napa, CA USA
Organizers: Reineke & Ratner
ABSTRACT DEADLINE: October 17

FLUOROPOLYMER 2023

June 17 - 22 2023
Denver, CO USA
Organizers: Iacono, Ameduri, & McCollum
ABSTRACT DEADLINE: May 16, 2023

SUSTAINABLE POLYMERS 2023

October 15 - 18, 2023
Safety Harbor, FL USA
Organizers: Hillmyer, Helms, & Robertson
ABSTRACT DEADLINE: July 19, 2023

CONTROLLED RADICAL POLYMERIZATION 2023

November 12 - 15, 2023
Charleston, SC USA
Organizers: Matyjaszewski, Tsarevsky, Gao, & Sumerlin
ABSTRACT DEADLINE: October 1, 2023

POLYMERS IN DATA SCIENCE 2023

Fall 2023
Location TBD
Org: Beers, Olsen, & Audus

2024 Workshop Info. Coming Soon!

ADVANCING PROTECTION THROUGH MATERIALS DESIGN

POLYMER UPCYCLING AND CIRCULARITY

For more information or to propose a new workshop for 2024, please contact the Workshop Committee Chair Marc Hillmyer (hillmyer@umn.edu) or Lesia Pristas (lesiar@vt.edu) in the POLY Business Office. New proposal requests for 2024 and early 2025 are due 10/15/2022.

POLY INDUSTRIAL ADVISORY BOARD (IAB)

The purpose of IAB is to enhance and foster industrial engagement and support to develop programming, awards and recognition, and education within the ACS Division of Polymer Chemistry.

NEWS

Approval of Diverse Payment Tiers Announce

In an effort to reflect the diversity of companies working in the polymer arena, IAB has established payment tiers per size of the company.

- No Change to Large Company (>500 employees)
Dues - \$1500
- New bracket for Small Companies (<500 employees)
Dues - \$500

No matter the company size, please consider joining the Board by contacting lesiar@vt.edu.

New Industry Networking Group (NING) Forms

The New Industry Networking Group (NING) is a broad coalition supported by the ACS Division of Polymer Chemistry (POLY) Industrial Advisory Board (IAB) that provides early career polymer science/engineering professionals resources and connections to have meaningful conversations about experiences working in industry and to learn from each other at our initial stage of career and life after graduate school. For complete information, visit <https://bit.ly/3Bai6XR>.

YIPS Deadline Approaching 10/31/22

More information is online at <https://polyacs.org/young-industrial-polymer-science-award/>

Operations Manual

POLY transitioned from “Industrial Sponsors” and “Industrial Sponsors Award” to “Industrial Advisory Board” and “Industrial Polymer Scientist Award” years ago but the POLY Operations Manual language is not updated. In the coming year, IAB will be working to review existing policies to ensure that the manual aligns with existing IAB offerings and that the Board is still following appropriate and relevant protocols. Additionally, the IAB will be stepping up to carry out its responsibilities as outlined in the operation manual with regards to judging of industrial awards. Please let Hayley Brown (hbrown1@dow.com) know if you or someone you know at your company is willing to participate. Use your voice to ensure industrial polymer scientists are recognized!

JOIN IAB

IAB would like to invite you to join us to ensure that you and your company have a voice in divisional education, awards, and programming. For more information, visit <https://polyacs.org/iab/>

THANK YOU

As we approach the end of 2022, we also approach the end of my 3 year term as POLY Industrial Advisory Board Chair. It has been a pleasure to work with all of you as we successfully navigated the transition to the virtual world amidst the pandemic, and continue to navigate the constant change that the industrial world is facing at this moment in time. IAB is adjusting its corresponding efforts to reflect the current state of trends in the industrial world including more small companies, increased digitization efforts, and the need for both synchronous and asynchronous communications.

I appreciate the support of this whole group. Special thanks to Hayley Brown, Peter Boul, and Lesia Pristas who were always available to chip in at the last minute for a variety of efforts in the virtual world. I am thrilled to see what this group does in the future, and know Hayley Brown, as the new IAB Chair, is up to whatever comes the IAB's way.



Corinne Lipscomb (3M)
POLY IAB Chair

IAB COMPANIES



Chair: Corinne Lipscomb (3M)
Vice-Chair: Hayley Brown (Dow)

A Complete Solution for Polymer Characterization by SEC-MALS

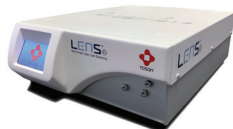
The Winning Combination for your Polymer Analysis

EcoSEC Elite
HLC-8420GPC



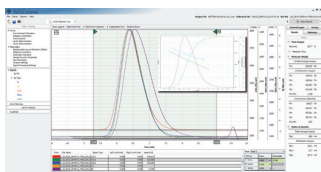
+

LENs³
Multi-Angle Laser Light Scattering



+

SECview
Advanced Multi-Detector SEC Software



+



Greater stability and reproducibility than ever before

- Extended pump temperature control for more stable flow rate
- Low volume degasser unit integrated in pump oven
- Temperature controlled autosampler tray (optional)
- Optional heated solvent stocker

Extended light scattering capabilities

- Innovative flow cell and optics design for unmatched signal-to-noise at extreme angles (10° and 170°)
- Direct molecular weight distribution by low angle (LALS – 10°) even for oligomers and low dn/dc samples
- Accurate detection of ultra-small differences in scattering intensity for size (R_g) measurements below 10 nm

Powerful and intuitive GPC/SEC software

- Molecular weight and R_g data in just a few clicks
- Simultaneous multiple analysis methods for easy comparison of light scattering and column calibration results
- Simple and fast calibration procedures
- 21-CFR-Part 11 compliant

High resolution TSKgel[®] columns for all GPC/SEC applications

- Multiple packing materials for all types of samples and mobile phases, from aqueous to organic
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SECview is a registered trademark of Tosoh Bioscience LLC in the USA, EU, and India; and of Tosoh Corporation in Japan.

POLY/PMSE STUDENT CHAPTERS

POLY/PMSE Student Chapters are student-run organizations affiliated with the ACS Division of Polymer Chemistry (POLY) and the Division of Polymeric Materials Science and Engineering (PMSE) providing networking and career development opportunities to students and post-doctoral associates in the polymer field. POLY/PMSE Student Chapters provide access to other graduate students, faculty, government lab researchers, and industrial employees and administrators in both professional and social environments. Opportunities are available for financial support for seminars and group activities.

A student advisory board, made up of chapter presidents and officers, has been established. The advisory board will now allow student chapters to share a poster, instead of the traditional annual report, on why they should be named the POLY/PMSE Best Student Chapter.

Learn more about Student Chapters:
<https://polyacs.org/student-chapters/>

New POLY/PMSE Student Chapters



Colorado State University



FAMU/Florida State Combined Chapter



The University of Tennessee Knoxville



The University of Akron



SW Ohio University



ACS
Chemistry for Life®

POLY

American Chemical Society
Division of Polymer Chemistry, Inc.

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polyacs.net/
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**1st Year
Membership
FREE**

The Division of Polymer Chemistry, Inc., (POLY) is a diverse community of scientists and engineers from academia, industry, and government, as well as fans and supporters of polymers.

Mission: Advance the broader polymer enterprise and its practitioners to meet the global challenges of today and the future.

Vision: Be the premier professional organization promoting polymer science and its value to society.

MACRO'S TIPS FOR WRITING A PAPER

This is a shortened version of the article written by Dr. Dominik Konkolewicz with acknowledgment to Dr. Andrea Armani for fruitful discussions and her excellent complementary description of how to write a manuscript.

10 Simple Steps to Writing a Scientific Paper

Start off by arranging the Schemes and Figures to Communicate the Main Message of Your Manuscript

Arrange the figures in a way that communicates the main message of the paper. The order of the figures is unlikely to be an order in which you actually did the experiments. Provide schemes or charts to describe the main message of the paper and to describe to your readers what you are making or studying, and if appropriate a scheme at the end can summarize your discovery. Also, decide which figures should be included only as supporting information.

So how can we write clear and concise manuscripts?

Pick your target journal and follow the journal guidelines to construct an outline. Break up your manuscript into sections (Abstract, Introduction, Methods/Experimental, Results and Discussion, and Conclusions). Other sections may be needed such as modeling. Most manuscripts also have supporting information, which is important but not central to your manuscript.

For each section, write at least 2-3 bullet points per paragraph in your outline. Also, it can help to insert key figures, tables, and schemes into your outline. Once you have an outline drafted send it to your advisor and perhaps other key collaborators.

Once you all agree on a structure and outline, turn your outline into a full draft manuscript

Using your outline as a template, turn each bullet point into a sentence or a few. These sentences should communicate, but likely expand on, the ideas in the bullet point in your outline. Pretty soon you should have a draft manuscript. In scientific writing, short sentences are a good strategy. As you are writing the first draft of the manuscript, complete your experimental details and methods, and write out any equations you used. If your target journal has a word/page/character limit do your best to stick to that limit. It is ok to go over a bit (say 10-20%) and cut it down at the end of the drafting process. Also, run a spellcheck!

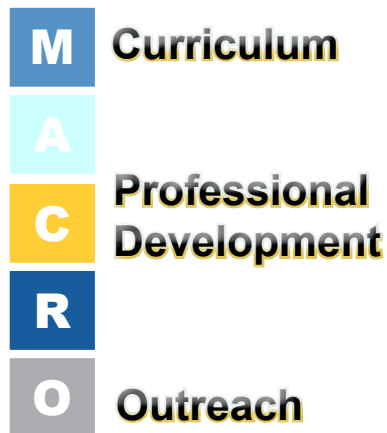
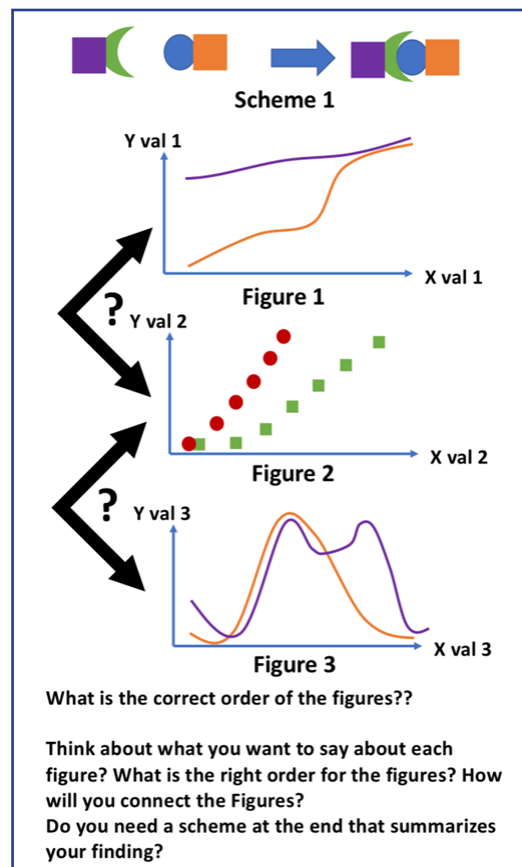
Importance of References and Citations

You are going to give credit to work done before you're in the field. Maybe they identified an issue that you work on, or maybe they developed a technique you use. Make sure you give them credit for this by citing their work. It's a matter of scientific honesty and it doesn't cost anything. Also key scientists are likely to review your manuscript, so make sure you acknowledge their work.

To insert references into the document, make sure you are using a reference managing software such as Mendeley (which is free at the time of publication), Endnote, or Bibtex for Latex users. These software insert your citations, create a bibliography, and keep them ordered per journal requirements, saving you time and allowing you to use your mental energy to write a better manuscript.

Well done! You have a draft

Once you have a draft manuscript with all figures, references, and supporting information completed, send it to your advisor/co-authors for feedback. If this is your first manuscript, expect quite a few revisions. This is normal as you learn how to write effectively in STEM fields. After a few revisions, you should be ready to submit your manuscript. Good Luck!





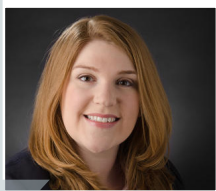
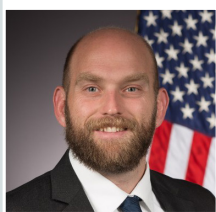
266th ACS National Meeting (Spring)

March 26-30, 2023 *Indianapolis, IN

ACS Theme: Crossroads of Chemistry

Lead Program Chair: Danniebelle Haase (DHaase@dow.com)

- Advances in Biomass-based Biodegradable Polymers
- Carl S. Marvel Award for Creative Polymer Chemistry
- Challenges and Opportunities in Semiconducting Polymers
- Crossroads of Polymer, Composite, and Sustainable Energy
- Excellence in Graduate Polymer Research
- General Topics: Crosslinked and Linear Polymers
- General Topics: New Concepts in Polymer Chemistry
- General Topics: New Synthesis and Characterization of Polymers
- General Topics: The Intersection of Inorganic and Polymer Chemistry
- Imaging Biopolymers and Biological Assemblies in Living Systems
- Industrial Innovations in Polymer Science
- Large Polymers the Size of Small Polymers
- POLY/PMSE Plenary & Awards Event
- Polymer Dynamics Across Multiple Length and Time Scales
- Polymer Science of Everyday Things
- Polymers at the Crossroads: Molecular Circularity by Design
- Polymers at the Interface with Biology
- Undergraduate Research in Polymer Science
- Virtual Graduate Students Sym. in Asia-Pacific Region on Polymer Chemistry



267th ACS National Meeting (Fall)

August 13-17, 2023 *San Francisco, CA

ACS Theme: Harnessing the Power of Data

Lead Program Chair: Sara Orski (sara.orski@nist.gov)

- ACS Macro Letters/Biomacromolecules/Macromolecules Young Investigator Award
- Biorelated Polymers (honoring Dr. Ray Ottenbrite's contributions to POLY and biopolymer research)
- Charles G. Overberger International Prize for Excellence in Polymer Research
- Computational Strategies for Biological Materials Discovery
- General Topics: New Synthesis and Characterization of Polymers
- Henkel Award for Outstanding Graduate Research in Polymer Science & Engineering
- High-throughput and Data-driven approaches to Next Generation Macromolecular Materials
- Industrial Innovations in Polymer Science
- Polymer Mechanochemistry
- Polymers for Defense Applications
- The Herman F. Mark Polymer Chemistry Award
- Young Industrial Polymer Scientist Award (YIPS)

Programming Team

Pictured top to bottom:

Danniebelle Haase
DHaase@dow.com

Rob Mathers
rtn11@psu.edu

Levi Moore
levi.moore.1@us.af.mil

Sara Orski
sara.orski@nist.gov

POLY GRAPHICAL ABSTRACT SUBMISSION REQUIREMENTS:

- A POLY abstract includes title, authors, affiliations, abstract text, and a key figure
- The word limit for national meetings is 300 words (2500 characters)
- An image counts for a total of 70 words (560 characters)

- ACS National Meeting: www.acs.org/content/acs/en/meetings/national-meeting.html
- POLY Program Info: <https://polyacs.org/poly-at-national-accs-meetings/>
- ACS Symposia Submission: <https://polyacs.org/symposium-proposal-online-form/>

POLY MEMBERS RECEIVING 2023 ACS AWARDS



CONGRATULATIONS POLY MEMBERS RECEIVING 2023 ACS AWARDS



ACS Award in Applied Polymer Science

Mark W. Grinstaff
Boston University



ACS Award in Chromatography

Christopher A. Pohl
CAP - Chromatography Consulting



ACS Award in Colloid Chemistry

Joanna Aizenberg
Harvard University



ACS Award in Polymer Chemistry

Karen I. Winey
University of Pennsylvania



ACS Award in Pure Chemistry

Julia A. Kalow
Northwestern University



Arthur C. Cope Late Career Scholars Award

Vincent M. Rotello
University of Massachusetts, Amherst



Arthur C. Cope Mid-Career Scholars Award

Javier Read de Alaniz
University of California, Santa Barbara



E. V. Murphree Award in Industrial and Eng. Chemistry

Qinghuang Lin
Lam Research Corp.



Kathryn C. Hach Award for Entrepreneurial Success

Philip J. Wyatt
Wyatt Technology Corp.



Priestley Medal

Cato T. Laurencin
University of Connecticut Health Center



Ronald Breslow Award for Achievement in Biomimetic Chemistry

Laura L. Kiessling
MIT

ACS SPRING MEETING DEADLINE IS OCTOBER 17, 2022
bit.ly/acsabstracts



Thank You – POLY Session Organizers

Programming Team

Lead: Robert Mathers
Dannibelle Haase
Sara Orski
Levi Moore



Daniel Abebe	Julia Kalow	Tomonori Saito
Kathryn Beers	Brett Krull	Jitesh Soares
Hayley Brown	Yongfu Li	Christopher Soles
H.N. Cheng	Eric Lin	Christopher Stafford
Dimitris Collias	Shiyong Liu	Brent Sumerlin
Piril Ertem	Timothy Lodge	Yujing Tan
Yanli Feng	Paulomi Majumder	Jia Tang
Derek Gates	David Meunier	J. Tovar
Nagarjuna Gavvalapalli	Svetlana Morozova	Cristina Urdaneta
Richard Gross	Christina Payne	Thomas
Ferenc Horkay	Kathryn Peretti	Chunxiao Zheng
Zachary Hudson	Michael Petr	
Martin James	Ralm Ricarte	





POLY COUNCILORS' REPORT

Meetings and Expositions (Kathryn Uhrich): The fall 2022 meeting in Chicago was held in a hybrid manner from August 21-25. As of August 24, there were 11,619 registrations (9,355 in-person and 2,264 virtual). Over 11,000 abstracts were sessioned for the Chicago meeting, with withdrawal rates at 15-20%, as in previous years.

The ACS Board approved the recommendations from M&E of sites and dates for four future ACS meetings and Board meeting dates (below) and locations for 2023.

POLY Councilors

Pictured left to right: Kathryn Beers, Mary Ann Meador, Greg Tew, and Kathryn Uhrich

Spring 2028

Orlando, Florida, March 12-16

Fall 2029

Boston, Massachusetts, August 19-23

Spring 2030

New Orleans, Louisiana, March 7-21

Fall 2030

Chicago, Illinois, August 18-22

Future ACS Meetings

Crossroads of Chemistry
March 26 - 30, 2023
Indianapolis, IN

Harnessing the Power of Data
August 13 - 17, 2023
San Francisco, CA

Many Flavors of Chemistry
March 17 - 21, 2024
New Orleans, LA

Elevating Chemistry
August 18 - 21, 2024
Denver, CO

ACS Spring 2025
March 23-27, 2025
San Diego, CA

ACS Fall 2025
August 17-21, 2025
Washington D.C.

M&E members voiced concerns about the distance between technical sessions and committee meetings in Boston and Chicago. We also voiced concerns about hosting ACS meetings at venues that apparently do not support human rights (eg. Florida and Indiana).

We learned that having a hybrid component was particularly expensive, relative to an in-person or virtual meeting. In Chicago, the cost to accommodate a hybrid component was ~\$40-50K more expensive than a standard in-person room. We need to evaluate the expense and effectiveness of maintaining a hybrid meeting and consider alternate programming opportunities - for example, hosting 3 in-person sessions and 1 remote/virtual sessions.

Relatedly, we learned that the average age of ACS members is now 50 years old and will be 7-9 years younger by 2024. Thus, we need to ensure that we plan meetings that accommodate expectations of the next generation, including a preference for online content, time-shifted content (ie. asynchronous events), and flexible attendance (in-person vs. remote).

Would you like to become more involved within POLY?

Follow the link below to find out more details:

<https://bit.ly/getinvolvedPOLY>

POLY COMMUNITY EVENT CALENDAR

Consider spotlighting your event with other notables in the field on POLY's community event calendar!

Email: carleel@vt.edu with details of your contribution to the POLY Calendar.

POLY Event Calendar: <http://bit.ly/polycalendar>

INTERESTED IN ADVERTISING?

On behalf of the ACS Division of Polymer Chemistry, we would like to invite you to consider advertising in the POLY Newsletter.

Our non-profit organization distributes the POLY Newsletter to approximately 4,000 of its polymer scientist members. The POLY NEWSLETTER is distributed in June and October each year and describes the Division activities and announces polymer-related scientific activities worldwide. The POLY Newsletter provides an excellent opportunity for advertising.

Complete information is available by going to: <https://www.polyacs.net/newsletter>.

<http://bit.ly/futureacsm meetings>

TREASURER'S REPORT



POLY Treasurer
Christine Coltrain
Eastman Kodak

The table below is a summary of the 2021 activity, the 2022 approved budget, and the 2022 income and expenditures for POLY as of July 2022. POLY is a non-profit organization and as such, the Executive Committee is challenged to provide excellent services and growing benefits for its members while maintaining a balanced annual budget.

POLY continues to actively support its membership, financially and through networking opportunities and services. In addition to programming at National and Regional meetings, Student Chapters, topical workshops, and virtual webshops, organized by POLY members, offer great value to both the Division and our members. We are pleased to see in-person participation in meetings and workshops is on the increase. In an attempt to catch up on the 2020-21 cancellations, POLY is offering six workshops during 2022. POLY also supported the PACIFICHEM 2021 virtual conference through sponsorships of several symposia.

I am happy to report that POLY has remained financially healthy. The dedicated POLY family has worked very hard to minimize spending and maximize output throughout the past few years. As of July 2022, POLY had 1.2M in investments which continues to support the budget annually.

As to best serve our membership, POLY continues to look for ways to reduce expenditures via increased virtual and electronic distributions, such as the enhanced and interactive POLY Newsletter, webinars, and webshops. The new Education Committee has been actively organizing symposia and continuing to add excellent content to the MACRO website for our younger and aspiring members, innovative ideas continue to receive IPG grants, including the new Convergent Research Community IPG, and the IAB (Industrial Advisory Board) continues to support, organize symposia, and sponsor awards aimed at our members in industry.

POLY continues to highlight an array of awards and to annually fund (through the POLY investment fund) its major awards including the Carl Marvel-Creative Polymer Chemistry Award, the Herman Mark-Polymer Chemistry Award, the Paul Flory-Polymer Education Award, and the Industrial Polymer Science Award.

POLY is extremely grateful for the contributions from our current ACS National Meeting and Awards sponsors, including ACS MacroLetters, BioMacromolecules, Macromolecules, Henkel, POLY-IAB, Springer Nature, TOSOH, and WATERS, and continues to seek additional sponsors for receptions, coffee sessions, awards including student and poster awards, newsletters, and workshops to help offset growing expenses. Please contact Christine Coltrain, Christine.coltrain@kodak.com, or Kathy Mitchem, kathyL@vt.edu for further information about these opportunities.

The 2022 POLY budget will be developed in December 2022 and approved during the POLY Executive Committee Meeting in January 2023. Please submit requests for funding for committee activity, symposium support, and other POLY related activities directed to the POLY Treasurer, Christine Coltrain, Christine.coltrain@kodak.com, by December 1, 2022.

Budget Category	2021 YE Actual		2022 Budget		2022 Jan-July	
	Income	Expense	Income	Expense	Income	Expense
Dues / ACS Allocations	\$181,038		\$123,200		\$89,518	
National/Regional/Other Meetings Activities	\$10,404	\$49,000	\$39,250	\$169,149	\$17,507	\$77,413
Workshop Activities	\$115,963	\$116,803	\$371,100	\$336,600	\$165,254	\$141,010
Administrative	\$21	\$197,828	\$0	\$210,800	\$173	\$162,291
Publication / Advertising	\$39,107	\$3,823	\$5,300	\$3,750	\$3,712	\$1,387
Committee / Awards Activities	\$55,602	\$61,345	\$30,300	\$61,815	\$12,500	\$11,499
Cashed Investments / Savings	\$100,000		\$212,964	\$0	\$0	\$0
Total Budget	\$502,135	\$428,799	\$782,114	\$782,114	\$288,664	\$393,600



INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

IUPAC SEEKS INPUT FROM POLYMER COMMUNITY

The IUPAC Polymer Division are seeking to develop recommendations for polymer terminology.

IUPAC just published a Dilemma paper (<https://pubs.rsc.org/en/content/articlelanding/2022/py/d2py00086e>) where they are seeking input from the scientific community regarding polymerization terminology.

Please let IUPAC know your thoughts by emailing them at polymer.terminology@iupac.org.

Comments will be read until the end of 2022.

Contact POLY for Advertising Opportunities, Membership Benefits, & More



- Newsletter & E-news Advertising
- Membership Benefits
- POLY Workshops
- POLY Webinars
- ACS National Meetings
- POLY Sponsored Events

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POLY ExComm Dinner, Aug. 2022