



www.acs.org/acswebinars



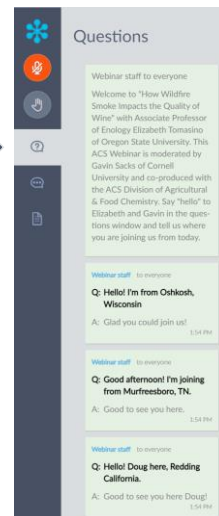
Questions or Comments?

Type them into the questions box!



"Why am I muted?"

Don't worry. Everyone is muted except the Presenter and the Host. Thank you and enjoy the show.



1

1

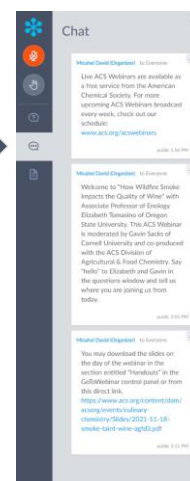


www.acs.org/acswebinars



Chat

Announcements and hyperlinks from our team



2

2

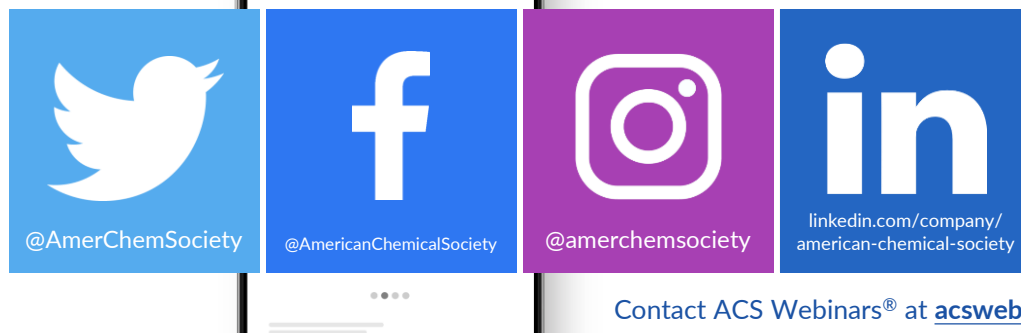


www.acs.org/acswebinars



Let's Get Social!

Follow the American Chemical Society on Twitter, Facebook, Instagram, and LinkedIn for the latest news, events, and connect with your colleagues across the Society.



Contact ACS Webinars® at acswebinars@acs.org

3



www.acs.org/acswebinars



Where is the Webinar Recording?



All Registrants

Watch the unedited recording linked in the **Thank You Email** for 24 hours.



ACS Members w/Premium Package

Visit the [ACS Webinars® Library](#) to watch the **edited and captioned** recording.

4

4

A Career Planning Tool For Chemical Scientists



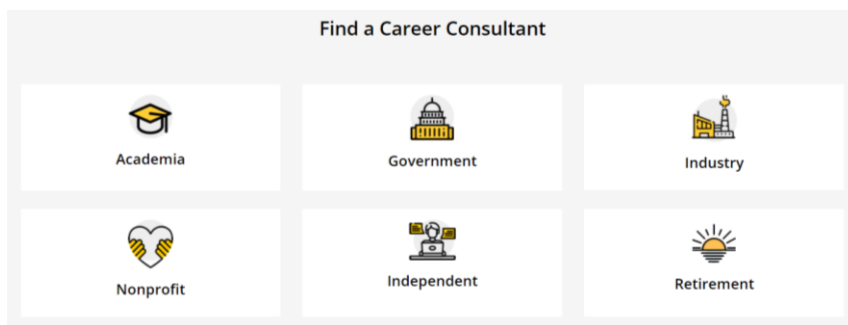
ChemIDP is an Individual Development Plan designed specifically for graduate students and postdoctoral scholars in the chemical sciences. Through immersive, self-paced activities, users explore potential careers, determine specific skills needed for success, and develop plans to achieve professional goals. **ChemIDP** tracks user progress and input, providing tips and strategies to complete goals and guide career exploration.

<https://chemidp.acs.org>

5

5

Career Consultant Directory



- ACS Member-exclusive program that allows you to arrange a one-on-one appointment with a certified ACS Career Consultant.
- Consultants provide personalized career advice to ACS Members.
- Browse our Career Consultant roster and request your one-on-one appointment today!

www.acs.org/careerconsulting

6

6

ACS Bridge Program

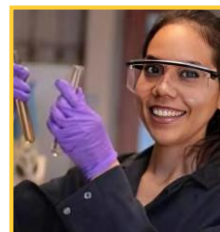


Are you thinking of Grad School?

If you are a student from a group underrepresented in the chemical sciences, we want to empower you to get your graduate degree!

The ACS Bridge Program offers:

- A FREE common application that will highlight your achievements to participating Bridge Departments
- Resources to help write competitive grad school applications and connect you with mentors, students, and industry partners!



Learn more and apply at www.acs.org/bridge

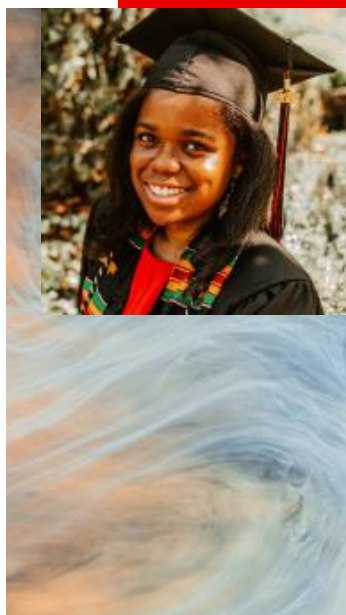
Email us at bridge@acs.org

7

7

ACS Scholar Adunoluwa Obisesan

BS, Massachusetts Institute of Technology, June 2021
(Chemical-biological Engineering, Computer Science & Molecular Biology)



“The ACS Scholars Program provided me with monetary support as well as a valuable network of peers and mentors who have transformed my life and will help me in my future endeavors. The program enabled me to achieve more than I could have ever dreamed. Thank you so much!”

GIVE TO THE
ACS SCHOLARS PROGRAM

Donate today at www.donate.acs.org/scholars

8

8

ACS OFFICE OF DEIR

Advancing ACS' Core Value of Diversity, Equity, Inclusion and Respect



Resources

Inclusivity Style Guide Designed to help staff and members use language and images that respect diversity in all its forms. →	ACS Webinars on Diversity Covering diversity and inclusion at the workplace →
ACS Publications DEIR Hub See what ACS Publications is doing for fostering inclusivity in scholarly publishing →	ACS Volunteer and ACS Meetings Code of Conduct Fostering a positive and welcoming environment for attendees, volunteers and staff. →
C&EN Trailblazers C&EN highlights scientists from different backgrounds who are making an impact in chemistry. →	NEW! Download DEIR Educational Resources Download this educational guide for additional recommendations on videos, articles, books, podcasts, and more on diversity, inclusion, and related topics. →
Quick Guide: Inclusion Moments Learn more about what Inclusion Moments are and see ideas to host them during your meetings. →	Quick Guide: How to host inclusive in-person events Recommendations and best practices to ensure that your events can accommodate everyone. →

Diversity, Equity, Inclusion, and Respect

**Adapted from definitions from the Ford Foundation Center for Social Justice:

Equity**

Seeks to ensure fair treatment, equality of opportunity, and fairness in access to information and resources for all. We believe this is only possible in an environment built on respect and dignity. Equity requires the identification and elimination of barriers that have prevented the full participation of some groups.

Diversity**

The representation of varied identities and differences (race, ethnicity, gender, disability, sexual orientation, gender identity, national origin, tribe, caste, socioeconomic status, thinking and communication styles, etc.) collectively and as individuals. ACS seeks to proactively engage, understand, and draw on a variety of perspectives.

Inclusion**

Builds a culture of belonging by actively inviting the contribution and participation of all people. Every person's voice adds value, and ACS strives to create balance in the face of power differences. In addition, no one person can or should be called upon to represent an entire community.

Respect

Ensures that each person is treated with professionalism, integrity, and ethics underpinning all interpersonal interactions.

<https://www.acs.org/diversity>

9



Reactions • 682 observations 396 subscribers

Search

What Science Says About Brining Your Bird 4.9K views • 7 days ago	Some Sugar-Free Gummy Bears Are Lethal... No, Really 4.9K views • 2 weeks ago	Is It All the Future of Data Storage? 4.9K views • 1 month ago	SALTY & BITTER Why Does Salt Change the Taste of Everything? 8.2K views • 2 months ago	How Do They Make Maple Syrup? 17K views • 3 months ago	Making Drinking Water From Sewage 7.6K views • 7 months ago	WRONG! How Do We Drive a Building Without Exploding Everything Around It? 6.4K views • 8 months ago	HYDROGEN BOND? You Don't Understand Water (and Neither Does Anyone Else) 13K views • 8 months ago
How Roundup Kills Weeds (and How Weeds are Fighting Back) 5.7K views • 2 months ago	PENCILS GRAPHENE NANOTUBES RICKYBAL'S Carbon Structures from Pencils to Jetpacks 4.9K views • 1 month ago	Are Wine & Food Pairings All Nonsense? 5.5K views • 2 months ago	How Quinine Fights Malaria, and How That Caused World War One 8.2K views • 3 months ago	This Toxic Gas is Responsible for Almost All Our Food ANHYDROUS AMMONIA 14K views • 3 months ago	What's In 'Premium' Gas? WHY THIS NUMBER MATTERS 12K views • 8 months ago	How is Climate Change Affecting Hibernation Patterns of Animals? 5.2K views • 10 months ago	What is an Electron? 9.7K views • 10 months ago
WHAT HAPPENS TO SPACE JUNK? SPACE TRASH R. Chemistry 5.6K views • 4 months ago	Can Science Replace Blood Transfusions? GAN SCIENCE REPLACE MY ACTUAL BLOOD? 7.2K views • 1 month ago	How is Whiskey Made? A Deeper Dive Into Distilling DISTILLING ETHANOL 4.5K views • 1 month ago	Your Gas Stove is Polluting Your Home COOKING WITH GAS 9.2K views • 1 month ago	We Made Pop Rocks at Home with Science COULDN'T POP ROCKS 13K views • 11 months ago	I Am Gold To Prove a Point THEY MADE ME EAT THIS 12K views • 11 months ago	How Do Hydrogen Fuel Cells Work? TINY FUEL CELL 44K views • 11 months ago	How Oxygen Masks Brought Down a Plane THERE'S NO OXYGEN TANK 10K views • 1 year ago

<https://www.youtube.com/c/ACSReactions/videos>

10

10



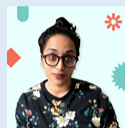
Looking for a new science podcast
to listen to?



Check out Tiny Matters, from the American Chemical Society.



Sam Jones, PhD
Science Writer & Exec Producer



Deboki Chakravarti, PhD
Science Writer & Co-Host

TO SUBSCRIBE
visit <http://www.acs.org/tinymatters> or
scan this QR code



11

11

c&en's
STEREO
CHEMISTRY



Bonus Episode
Carolyn Bertozzi and K. Barry Sharpless chat about sharing the 2022 Nobel Prize in Chemistry
December 6, 2022



Bonus Episode
Bioorthogonal, click chemistry clinch the Nobel Prize
October 5, 2022



Episode #46
Lithium mining's water use sparks bitter conflicts and novel chemistry
September 13, 2022



Bonus Episode
Happy 100th birthday, John Goodenough!
For John Goodenough's 100th birthday, Stereo Chemistry revisits a fan-favorite interview with the renowned scientist
July 25, 2022



Bonus Episode
Jesse Wade on Wikipedia and work-life balance
June 21, 2022



Bonus Episode
The sticky science of why we eat so much sugar
May 31, 2022



Bonus Episode
There's more to James Harris's story
April 27, 2022



Bonus Episode
The helium shortage that wasn't supposed to be
March 24, 2022

Subscribe now to C&EN's podcast

VOICES AND STORIES FROM THE WORLD OF CHEMISTRY



cen.acs.org/sections/stereo-chemistry-podcast.html

12

12

ACS Industry Member Programs

- **ACS Industry Matters**

ACS member only content with exclusive insights from industry leaders to help you succeed in your career. #ACSIndustryMatters

Preview Content: acs.org/indnl

- **ACS Innovation Hub LinkedIn Group**

Connect, collaborate and stay informed about the trends leading chemical innovation.

Join: bit.ly/ACSinnovationhub

13

ACS on Campus is the American Chemical Society's initiative dedicated to helping students advance their education and careers.



 A promotional graphic for ACS on Campus. On the left, there are three stacked boxes with icons and text:

- Get Results.** (Icon: resume and checklist) Discover how to prepare an effective resume, interview with confidence, pick a graduate or post-doctoral program, and more!
- Get Published.** (Icon: laurel wreath) Share your science with confidence – get essential tips for becoming a better writer, reviewer and communicator.
- Get Ahead.** (Icon: person and gear) Develop your career, network with local professionals, and learn how to leverage your ACS membership.

 On the right, a group of diverse, smiling students are shown in a modern, brightly lit setting. The background is a colorful geometric pattern of overlapping shapes in blue, green, and purple. At the bottom left, the website acsoncampus.acs.org is displayed.

14

ACS Career Resources



Virtual Office Hours



<https://www.acs.org/careerconsulting.html>

Personal Career Consultations

Jim Tung

Assistant
Lacamas Laboratories

S.E. Biochemistry, University of Oregon
Ph.D., Organic Chemistry, University of Notre Dame

Jim Tung works at Lacamas Laboratories in Portland, OR, currently as a business development manager. He has been with Lacamas for 10 years, working on developing new chemical manufacturing projects. Before that, he was a senior research chemist at Orlite Research in Champaign, IL, performing kilo-scale organic chemistry.

An Oregon native, Jim got his B.S. in biochemistry from the University of Oregon, his Ph.D. in organic chemistry from the University of Notre Dame, with postdoctoral experience at Pfizer's laboratories in La Jolla, CA. He is past chair of the Portland Section of the American Chemical Society and was 2019 general co-chair of NORM 2019. He has interests in process chemistry, labor economics, social media outreach and encouraging career exploration and development for younger chemists.

Ask me about:

- Working in industry
- Applying for academic jobs
- Getting your first job

Contact With Jim

<https://www.acs.org/careerconsulting.html>

LinkedIn Learning



<https://www.acs.org/linkedinlearning>

15

15



ACS Publications
Most Trusted. Most Cited. Most Read.

Most Trusted. Most Cited. Most Read.

ACS Publications' commitment to publishing high-quality content continues to attract impactful research that addresses the world's most important challenges.

Get Access

Browse Content



Publish with ACS

New Products & Services

ACS Open Science

Explore ACS Solutions

<https://pubs.acs.org>

16

16

ACS Green Chemistry Institute
Chemistry for Life®

Home About Program Register Hotel Students Expo Sponsor Q

TWENTY-SEVENTH ANNUAL
GREEN CHEMISTRY & ENGINEERING CONFERENCE
June 13-15, 2023 | Long Beach, CA & Hybrid

Closing the Loop: Chemistry for a Sustainable Future

Platinum Sponsor **MILLIPORE SIGMA**



Register Now!

www.gcande.org

17

17

ACS
Chemistry for Life®




Make Our Future Greener Through Hydrocarbon Research

Interested? Learn more:
www.acsprf.org



CALL FOR PROPOSALS | AUGUST 14 – SEPTEMBER 8, 2023

American Chemical Society Petroleum Research Fund
Seed Money for Petroleum-Relevant Science

ACS PRF

18

18



ACS
Chemistry for Life®

AMERICAN CHEMICAL SOCIETY
MEETINGS & EVENTS

#ACSFall2023

ACS

FALL 2023

HARNESSING THE **POWER** OF DATA

AUGUST 13-17 | San Francisco, CA | Hybrid

<https://www.acs.org/meetings/acs-meetings/fall-2023.html>

19

19



ACS
Chemistry for Life®

www.acs.org/acswebinars

ACS Webinars®
CLICK • WATCH • LEARN • DISCUSS



Thursday, August 10, 2023 | 2-3pm ET

AI for Learning, Teaching, and Writing

Co-produced with ACS Education and ACS Student Communities



Wednesday, August 16, 2023 | 3-4pm ET

Anticuerpos Monoclonales

Co-produced with the Sociedad Química de México



Thursday, September 7, 2023 | 2-3pm ET

Mentors, Imposter Syndrome, and Diversity

Co-produced with ACS Office of Diversity, Equity, Inclusion, and Respect

Register for FreeBrowse the Upcoming Schedule at www.acs.org/acswebinars

20

20



ACS
Chemistry for Life®

www.acs.org/acswebinars



**THIS ACS WEBINAR®
WILL BEGIN SHORTLY...**

👋 Say hello in the
questions window!

21

21



ACS
Chemistry for Life®

www.acs.org/acswebinars



Download Presentation Slides
under "Handouts" in GTW
Control Panel



ACS Webinars®
CLICK • WATCH • LEARN • DISCUSS

Revising Technical Manuscripts:
Improving Coherence, Clarity & Conciseness



CELIA MATHEWS ELLIOTT, PhD

Director of External Affairs and Special Projects,
Department of Physics, The Grainger College of
Engineering, University of Illinois at Urbana-Champaign



ANNABELLE LOLINCO

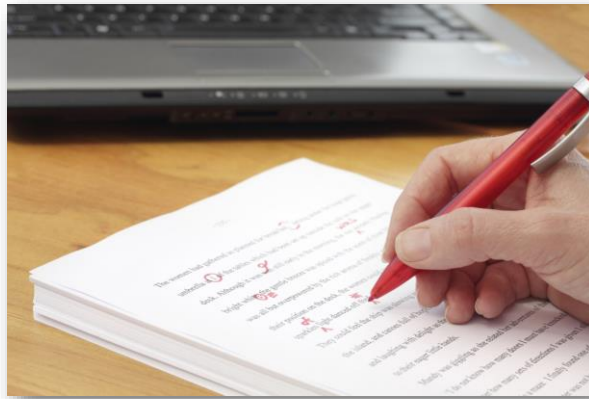
Chemistry Ph.D. Candidate,
Iowa State University

This ACS Webinar® is co-produced with the ACS Division of Professional Relations.

22

22

Revising Technical Manuscripts to Improve Coherence, Clarity & Conciseness



Celia M. Elliott
University of Illinois
cmelliot@illinois.edu



With thanks to the fabulous Physics faculty at the University of Illinois
© 2023 The Board of Trustees of the University of Illinois
All rights reserved.

23

“*abstractitis*”—the downfall of so many

“writing that is so abstruse that even the *writer* does not know what he or she is trying to say.”—*Sir Ernest Gowers, GCB*

“The words ...dance before my eyes in a meaningless procession: cross-reference to cross-reference, exception upon exception—couched in abstract terms that offer no handle to seize hold of—leave in my mind only a confused sense of some vitally important, but successfully concealed, purport, which it is my duty to extract, but which is within my power, if at all, only after the most inordinate expenditure of time.” (*Yale L.J.* 167, 169 [1947]).

24

24

How to avoid “*abstractitis*”

1. **Clarify** — *replace jargon with terms that are understandable and meaningful to your audience; use simple subjects and action verbs; de-convolute syntax*
2. **Quantify** — *replace wimpy, qualitative adjectives with quantitative descriptors*
3. **Objectify** — *give concrete examples; use analogies*

25

25

Plan for time to reflect and revise

You should allow as much time for revision as you do for writing your paper in the first place

Revising concentrates on four elements

1. Clarifying the selection and presentation of ideas, tailored to the audience
2. Organizing the narrative logically
3. Evaluating the use of language (emphasis, tone, vocabulary)
4. Proofreading for mechanical errors



26

26

Revising should proceed in three steps

1. Confirming the content and logical organization (ideas)
2. Editing for style (language, tone, emphasis)
3. Proofreading for mechanics (spelling, punctuation, and grammar)

Allow sufficient time for each step! *(it will always take longer than expected)*

The Elliott editing equations:

$$t = 3h + \epsilon \quad [1]$$

$$t = 5(h + a) + \epsilon \quad [2]$$

27

27

1. Look at the science first (macroscopic scale)



- Is the information valid, significant, timely, and complete?
- Is the context clear? What is new and different? What have you contributed?
- Is the information presented at an appropriate level for the audience and the purpose?
- Is the narrative arranged in a logical, coherent structure?
- Do figures, equations, and tables support, emphasize, and *clarify* the main points?

28

28

TIP: Get an overview of the whole paper

- Cut and paste the first sentence of every paragraph into a new document
- Read the new document aloud
- Does it have a clear logical structure?
- Is the context clear?
- Does it have gaps or unexplained assumptions?
- Are the conclusions supported by the evidence?
- Does it have redundancies or extraneous information?

29

29

Include **summary statements**

- At the end of each paragraph to lead logically to the next paragraph*
- At the end of each subsection
- At the end of each section
- At the end of the paper
- Adding summary statements helps readers follow your logical argument and prompts them to go back and re-read if they don't understand something

*Building Good Paragraphs: <http://people.physics.illinois.edu/Celia/Lectures/Paragraphs.pdf>

30

30



Audience Survey Question

ANSWER THE QUESTION ON THE INTERACTIVE SCREEN IN ONE MOMENT

How much time should you allow for revising a technical manuscript?

- 1 hour per page
- Depends on how technical the text is
- At least 3x longer than you think it will take
- Doesn't matter—you'll have to revise it again when you get the reviewers' comments

* If your answer differs greatly from the choices above **tell us in the questions window!**

31

31



Audience Survey Question

ANSWER THE QUESTION ON THE INTERACTIVE SCREEN IN ONE MOMENT

How much time should you allow for revising a technical manuscript?

- 1 hour per page
- Depends on how technical the text is
- **At least 3x longer than you think it will take***
- Doesn't matter—you'll have to revise it again when you get the reviewers' comments

***Your mileage may differ, but plan for plenty of time to reflect.**

32

32

2. Focus on the “style” (mesoscopic scale)



- Use precise, unambiguous language
- Avoid gratuitous jargon—scale to your audience
- Use straightforward, declarative sentences and keep them short (<25 words)
- Use action verbs, not weak verbs of being
<http://people.physics.illinois.edu/Celia/Verbs.pdf>
- Eliminate “fluffy” stuff
<http://people.physics.illinois.edu/Celia/Lectures/Fluff.pdf>

33

33

Write shorter sentences (<25 words)

The following sentence (63 words), while grammatically correct, is impossible to understand on the first reading



“A program of chemical analysis and receptor modeling is proposed in which samples obtained at the EB ENTEK sites will be used to estimate the sources and/or source regions of trace elemental deposition into the area and the effects of specific urban areas on the airborne particulate matter compositions and thus, their potential contribution to the contamination of the area’s water supplies.”

Avoid long strings of nouns used as adjectives, too

“mean field anisotropic superconducting reverse bias toroid magnet”

<sigh>

34

34

Observe the three-preposition rule

No sentence shall contain more than three prepositional phrases.

*A pollution problem **with** diesel engines has historically been their tendency to produce soot and smoke, but oxygen **in** the methyl ester group leads **to** lower soot emissions **from** diesel engines **when** using biodiesel fuel.*

Here's how to fix this unwieldy sentence:

*Air-polluting soot and smoke are produced **by** diesel engines that burn petroleum fuels. The use **of** biodiesel fuel, which contains oxygen **in** the methyl ester group, reduces soot emissions.*

Sometimes you just have to start over.— cme

35

35

Keep verbs close to their subjects

Several schemes ranging from minimal computational cost and poor accuracy to high computational cost and high accuracy can be employed.

*Several schemes **can be employed**, ranging from minimal computational cost and poor accuracy to high computational cost and great accuracy.*

A program to be used in conjunction with a PC data acquisition card was written.

*A program **was written** for a PC data acquisition card.*

36

36

Recast *negative expressions* — a positive is easier to understand and is usually more concise

Although some data supported the hypothesis, it could not be concluded that output scaled linearly with current.

Output appeared to scale nonlinearly with current.

Arcing under high-current operation could not be avoided without the use of the insulated feedthrough.

The insulated feedthrough prevented arcing, even during high-current operation.

37

37

Avoid beginning clauses with “*There are...*” or “*It is...*” — put the subject first and plunge right in

There is clearly a need for an observable sensitive to changes in the nuclear shape and common to all isotopes.

An observable is clearly needed that is sensitive to changes in the nuclear shape and common to all isotopes.

38

38



Audience Survey Question

ANSWER THE QUESTION ON THE INTERACTIVE SCREEN IN ONE MOMENT

What is the easiest way to improve the clarity of your writing?

- Use very technical jargon for accuracy
- Write shorter sentences
- Don't just say what something is; also say what it is not to avoid ambiguity
- Include a lot of qualifying phrases

* If your answer differs greatly from the choices above **tell us in the questions window!**

39

39



Audience Survey Question

ANSWER THE QUESTION ON THE INTERACTIVE SCREEN IN ONE MOMENT

What is the easiest way to improve the clarity of your writing?

- Use very technical jargon for accuracy
- **Write shorter sentences**
- Don't just say what something is; also say what it is not to avoid ambiguity
- Include a lot of qualifying phrases

* If your answer differs greatly from the choices above **tell us in the questions window!**

40

40

Eliminate *unnecessary* words

the results *tend to* suggest they are *both* identical *estimated to be*
 about 0.75 mg such as copper, iron, *and etc.* bright yellow *in color*
 and elliptical *in shape* $\Lambda = \lambda/2\theta$, *and vice versa* given *the fact that* $\tau_\alpha = \sigma q_\alpha \int n(s) ds$
 were reexamined *in order* to confirm the presence
it is known that nanocrystallites can form shear bands

“A phrase such as “*it is interesting to note that*” adds no information and only delays getting to the point of the sentence.” *Scientific Style and Format*

41

41

Replace *wordy expressions*

due to the fact that	<i>because</i>
in the near future	<i>soon</i>
a very limited number of cases	<i>few</i>
it appears to be indicated that	<i>apparently</i>
in spite of the fact that	<i>although, despite</i>
subsequent to	<i>after</i>
at the present time	<i>now</i>
in consequence of this fact	<i>thus</i>
as compared with	<i>versus</i>
in combination with	<i>with</i>

42

42

Change nouns ending in *-tion*, *-ment*, and *-ance* back into verbs

The most common use for Raman spectroscopy is for the observation of phonons. (13 words)

Raman spectroscopy is most commonly used to observe phonons. (9 words)

We proceeded to make an arrangement of the superconducting islands on the substrate with the STM tip. (17 words)

We *arranged* the superconducting islands on the substrate using the STM tip. (12 words)

The superconducting islands were arranged on the substrate using the STM tip.
(Better?)

43

43

3. Now for proofreading (microscopic scale)

Revising concentrates on the *ideas*

Editing concentrates on *language and style*

Proofing concentrates on *mechanics*

The importance of **proofreading** cannot be overstated—so-called **careless errors** (spelling, punctuation, grammar) will make readers wonder about how carefully you did the experiment itself and question your attention to detail.

44

44

Proofreading examines the manuscript one word at a time

- Acronyms, mathematical symbols, and special characters are defined at first usage
- Format and typography are consistent and conform to manuscript preparation rules
- Technical writing conventions are observed
- Grammar and spelling are flawless



TIP 1: Proofread from a hard copy

TIP 2: Start at the bottom right-hand corner and read backwards and up

TIP 3: Proofread everything

45

45

Maintain witless consistency throughout the text

- Terminology—*always call the same things by the same names*
- Typography—*use of italics and boldface*
- Expression of numbers
- Definitions of symbols or special characters
- Legends in figures
- Style of subheadings, captions, table titles
- Use of color



People expect a change to *mean* something!

46

46

To recap:

- Focus on important ideas, logical structure, precise, understandable language, and “mechanical errors”
—in this order
- Clarify—quantify—objectify
- Eliminate redundancies and wordy expressions
- Proofread from a hard copy



cmelliot@illinois.edu

<http://physics.illinois.edu/people/Celia/>

47

47



Celebrate 50 Years of ACS PROF in 2023!



Who are we?

Our members are a diverse group, representing all areas of chemistry and all types of chemical professionals including minorities, women, international chemists, younger chemists, academics, governmental, and industrial chemists, both employed and unemployed.



Younger Chemists



Chemists with Disabilities



Ethics



International Chemists



ACS Pride



Minority Affairs



Women Chemists

<https://acsprof.org>

48

48



www.acs.org/acswebinars



**THE LIVE Q&A IS
ABOUT TO BEGIN!**

Keep submitting your questions
in the questions window!

49

49



www.acs.org/acswebinars



NEXT WEEK!



Thursday, August 10, 2023 | 2-3pm ET

AI for Learning, Teaching, and Writing

Co-produced with ACS Education and ACS Student Communities

en español



Wednesday, August 16, 2023 | 3-4pm ET

Anticuerpos Monoclonales

Co-produced with the Sociedad Química de México



Thursday, September 7, 2023 | 2-3pm ET

Mentors, Imposter Syndrome, and Diversity

Co-produced with ACS Office of Diversity, Equity,
Inclusion, and Respect

Register for Free

Browse the Upcoming Schedule at www.acs.org/acswebinars

50

50



www.acs.org/acswebinars



Learn from the best and brightest minds in chemistry!

Hundreds of webinars on a wide range of topics relevant to chemistry professionals at all stages of their careers, presented by top experts in the chemical sciences and enterprise.



Edited Recordings

are an exclusive benefit for ACS Members with the Premium Package and can be accessed in the ACS Webinars® Library at www.acs.org/acswebinars



Live Broadcasts

of ACS Webinars® continue to be available free to the general public several times a week generally from 2-3pm ET. Visit www.acs.org/acswebinars to register* for upcoming webinars.

*Requires FREE ACS ID

51

51



www.acs.org/acswebinars



ACS Webinars® does not endorse any products or services. The views expressed in this presentation are those of the presenter and do not necessarily reflect the views or policies of the American Chemical Society.

Contact ACS Webinars® at acswebinars@acs.org



Mike Russell Erik

52

52