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.

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https://chemidp.acs.org

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.
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www.acs.org/careerconsulting
ACS Career Resources

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ACS Scholar Adunoluwa Obisesan
BS, Massachusetts Institute of Technology, June 2021
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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 in the workplace.

- ACS Volunteer and ACS Meetings Code of Conduct
  Incorporating a positive and welcoming environment for attendees, volunteers and staff.

- ACS Publications DEIR Hub
  See what ACS Publications is doing for fostering inclusivity in scholarly publishing.

- 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, portraits, and more on diversity, inclusion, and related topics.

- Quick Guide: Inclusion Moments
  Learn more about what inclusion moments are and some 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

- Equity**
  Seeks to ensure fair treatment, equality of opportunity, and fairness in access to information and resources for all. ACS believes there is only one viable path to equity: a system 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 valued identities and differences (race, ethnicity, gender, disability, sexual orientation, gender identity, national origin, age, caste, socio-economic status, thinking and communication styles, etc.) collectively and as individuals. ACS seeks to proactively engage, understand, and draw on a variety of perspectives.

- Inclusion**
  Cultivates a culture of belonging by actively valuing the contributions and participation of all people. Every person's input 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 undergirding all interpersonal interactions.

https://www.acs.org/content/acs/en/about/diversity.html
Looking for a new science podcast to listen to?

**TINY MATTERS**

Check out Tiny Matters, from the American Chemical Society.

TO SUBSCRIBE visit [http://www.acs.org/tinymatters](http://www.acs.org/tinymatters) or scan this QR code

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

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ACS on Campus is the American Chemical Society’s initiative dedicated to helping students advance their education and careers.
Being Seen, Heard, and Influencing Chemistry as Black Women
Co-produced with ACS Office of Diversity, Equity, Inclusion & Respect

Crossroads of Chemistry: Decisions, Opportunities and Finding your Path
Co-produced with ACS Committee on Science

Left, Right or Straight Ahead? Making Smarter Decisions
Co-produced with ACS Women Chemists Committee

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More Tips for Publishing in ACS Journals

CRAIG LINDSLEY, PhD
Editor-in-Chief, Journal of Medicinal Chemistry & University Professor of Pharmacology and William K. Warren, Jr. Chair in Medicines, Vanderbilt University

KELLY CHIBALE, PhD
Editor-in-Chief, ACS Medicinal Chemistry Letters & Professor of Organic Chemistry, Neville Isdell Chair in African-centric Drug Discovery & Development, University of Cape Town, South Africa

LORI FERRINS, PhD
Topic Editor, Journal of Medicinal Chemistry & Research Associate Professor, Northeastern University

This ACS Webinar ® is co-produced with ACS on Campus and ACS Publications.

 Audience Survey Question

How familiar are you with the publishing process for submitting to a Journal?

• **Unfamiliar** - I have not been published before in any Journals
• **Somewhat Familiar** - I have been published in scientific journals, but not an ACS Journal
• **Familiar** - I have been published in ACS Journals before
• **Very Familiar** - I am been published in ACS Journals and serve as a reviewer
• **Other** (Let us know more in the questions window)

* If your answer differs greatly from the choices above tell us in the questions window!
More Tips for Publishing in ACS Journals

Craig Lindsley, Ph.D.
EIC, Journal of Medicinal Chemistry
Crafting a Great Paper

Here’s How:

- Critically evaluate your science for Journal to submit to
- Read Instructions for Authors
  - Make it easy on Editors and Reviewers
- Catchy title
- Visually enticing graphical abstract
- Tell a STORY – include teachable moments and unique findings
- Give credit where credit is due in the reference section!
- Promote your science!

Successful Publishing

- Reviewer fatigue is real – always suggest expert reviewers with submission – the more the better (6+)
- Grammar and syntax is critical
- PROMOTE your work on social media – your publications are the advertisements for you, your lab/company.
- Publishing is a partnerships with the Editors – reach out!
Which do you struggle with MOST when submitting to a Journal for publication?

- Selecting the right Journal
- Telling a story with data
- Creating an attractive title or graphics
- Finding assistance with the revising, editing, or reviewing process
- Other (Let us know more in the questions window)

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

When am I ready to write a manuscript for a journal?

Ask yourself:

- Do my data "tell a story," or are they merely pieces of information?
- Do the results provide novel insights and advance the field?
- Does it fit the scope of the journal?
- If in doubt, reach out to the Editor-In-Chief directly with presubmission inquiries or any other questions or concerns

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Ten Tips for Scholarly Publishing

Medicinal Chemistry

Be able to use all above information and knowledge to design a molecule that overcomes any hurdles to become a medicine

EIC Vision: ACS Medicinal Chemistry Letters
Toward a Globally Diverse and Inclusive Community of Medicinal Chemists of the Future

https://doi.org/10.1021/acsmedchemlett.2c00533

- Underepresented geographical regions
- Therapeutic areas
- Author experience

The Ten Tips
1  

**TEN TIPS**

**Create a Useful Outline**

- Collect data and understand advances
- Organize data by importance, not time
- Evaluate need for and create useful figures
- Share your outline with coauthors for feedback
- Draft the outline as early as possible

2  

**TEN TIPS**

**Choose the Journal Carefully**

- ACS publishes more than 60 journals
- More than 20 ACS journals publish materials science
- To choose the best journal, understand these needs for your manuscript:
  - Community fit and scope
  - Manuscript type
  - Impact and appeal to audience served
  - Open access needs
  - Related research published

---

ACS, Chemistry for Life, ACS Publications, CAS
**Read and Follow the Guidelines**

The journal and ethical guidelines were written to help YOU!

[publish.acs.org](publish.acs.org)  
[pubs.acs.org/page/policy/ethics/index.html](pubs.acs.org/page/policy/ethics/index.html)

For example, Manuscript Types may vary among journals and the guidelines are how to know which type is best for your manuscript.

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**Tell a Story**

1. Identify your main theme
2. Explain why the problem is important (& what related ideas are already known)
3. Provide “already known” context via prior literature
4. Conclusion should summarize your main message and main advance
5. Provide sufficient details in experimental (or methodology) for others to replicate if desired
6. Analyze the data thoroughly and objectively
7. Include the right balance (or level) of data
8. Avoid acronyms, with few exceptions
Tell a Story

Avoid common language pitfalls

<table>
<thead>
<tr>
<th>Imprecise language</th>
<th>Translation</th>
</tr>
</thead>
<tbody>
<tr>
<td>“It has long been known”</td>
<td>I did not look up the reference</td>
</tr>
<tr>
<td>“In my experience”</td>
<td>Once</td>
</tr>
<tr>
<td>“In many cases”</td>
<td>Twice</td>
</tr>
<tr>
<td>“In a series of cases”</td>
<td>Thrice</td>
</tr>
<tr>
<td>“It is believed that”</td>
<td>I think</td>
</tr>
<tr>
<td>“It is generally believed that”</td>
<td>A few other people think so, too</td>
</tr>
<tr>
<td>“Clearly”</td>
<td>Often, not that clear</td>
</tr>
</tbody>
</table>

Draw Graphics with Care

Graphics should help the reader comprehend the story you are trying to tell.

1. Be clear and precise - use readable fonts
2. Figures should contain real data that tells your story
3. Use color
4. Graphics must be original unpublished artwork
5. Include error analysis

Where can I learn more?
https://pubs.acs.org/doi/pdf/10.1021/jz500997e

Don’t distort visual impact of the data with choice of axis ranges.
**Attract Readers with the Title and TOC Graphic**

**Create a Strong Title**

1. Use a maximum of 20 words and be grammatically sound
2. Select strong action verbs and avoid overuse of adjectives, and avoid adverbs
3. Make your words resonate with the TOC graphic and include key words for SEO
4. Avoid buzzwords, acronyms, and abbreviations
5. Avoid potential untested applications and hard-to-justify claims

See also: [https://pubs.acs.org/doi/full/10.1021/cm5017917](https://pubs.acs.org/doi/full/10.1021/cm5017917)
[https://pubs.acs.org/doi/10.1021/acsanm.0c01089](https://pubs.acs.org/doi/10.1021/acsanm.0c01089)

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**Attract Readers with the Title and TOC Graphic**

**Creating your TOC Graphic**

1. How to get started
   - Write 1-2 sentence take-home message
2. Understand the basics
   - Look at examples and read guidelines
   - Simple yet informative and fits in rectangle
   - Color use is strongly encouraged, be creative
3. Quality and originality
   - Uphold the standards, be realistic, be professional
   - Use familiar software to eliminate errors
   - Use original unpublished artwork by an author
Avoid Plagiarism

Plagiarism and related issues

- Self-plagiarism
- Concurrent submission
- Prior publication

Where can I read more about plagiarism and related issues?
https://publicationethics.org/

Recycling Is Not Always Good: The Dangers of Self-Plagiarism

Plagiarism is an act of academic fraud that implies “taking over the ideas, methods, or written words of another, without acknowledgment and with the intention that they be taken as the work of the dreamer.” If one “borrows” one’s own ideas from one’s own publication(s) without attribution, is the deception still academic fraud? Yes, it is, because it is an intentional attempt to deceive a reader by implying that new information is being presented. Intentional deception is fraud; one of the two definitions of fraud in the Oxford English Dictionary is: “a person or thing intended to deceive others, typically by unjustifiably claiming or being credited with accomplishments or qualities.”

As a result, recycling old data as new material (the accomplishment or quality), when it is not so, is tantamount to attempting to deceive one’s audience.

There are a number of serious problems that arise from self-plagiarism that can affect both the scientific community as a whole and individual researchers.

Thankfully, much thoughtful consideration has been given to defining, describing, recognizing, and avoiding self-plagiarism. A number of sources are given here, but an excellent place to start is to revisit the concept is with a detailed piece by Miguel Roig on the Office of Research Integrity’s Web site. According to this helpful and scientifically oriented

Tips

- A good manuscript goes through many drafts before submission
- Revisions are an important part of the process, and give all authors the time to support and edit the manuscript prior to submission
- “Fresh eyes” later in the revision process can often be quite helpful

Where can I learn more?
https://www.youtube.com/watch?v=q3mrRH2aS98
Prepare the SI with Care

What goes in the SI?
- Data that further substantiates your claims
- Cross-reference the SI in the main text to provide an easy-to-follow manuscript
- Do add movies and/or photos of experiments to assist readers

Where can I find journal guidelines for submission of SI?
https://publish.acs.org/publish/
Journal homepages
Updated ACS Guide to Scholarly Communication Online
https://pubs.acs.org/doi/book/10.1021/acsguide

In Chemistry Education manuscripts, the SI often includes important information for how to implement the educational innovation described in the manuscript.

TEN TIPS

Write a Clear, Accurate Cover Letter

Tips
- Address the Editor-in-Chief directly by name
- Include the title of the manuscript and the name of the journal you are submitting to
- Explain why the work is appropriate for the journal’s readership
- Include your “take home message” – be concise!

Where can I learn more?
https://pubs.acs.org/doi/10.1021/acs.jproteome.6b01068
THE LIVE Q&A IS ABOUT TO BEGIN!

Keep submitting your questions in the questions window!

Additional Key Resources

Where can I find journal guidelines and templates for submission?
https://publish.acs.org/publish/

Journal homepages

Updated ACS Guide to Scholarly Communication Online
https://pubs.acs.org/doi/book/10.1021/acsguide

ACS Authoring Services:
https://authoringservices.acs.org/en/
or
https://authoringservices.acs.org/cn/
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