

2018 SOARS Scientific Communication Workshop (SCW)

Location: Most events are in the EOL Atrium FL1-2918 and some will be in FL2-1003, UCAR Foothills Campus

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General format of the Friday SOARS workshops:

9:00 – 9:30 am: All group check in; program announcements; quick group activity

9:30 – 11:30 am: Scientific communications workshop (data workshop during some weeks)

11:30 – 12:30 pm: (some weeks) SOARS Seminar Series

2:00 – 4:00 pm (May/June): Data Workshop*

**Through June, we will have two data workshops and two writing workshops. Data workshops will have different content. Writing workshops will contain same content.*

Note that there will be events throughout the day on Friday most weeks; in general, protégés will not be in the labs on Fridays in June, and may or may not be in the labs on Friday afternoons in July. We will send reminders of the calendars throughout the summer.

In this workshop, protégés will be guided through the process of preparing scientific presentations, posters and papers while also developing the confidence to talk about their research with a wide variety of audiences.

The workshop format will encompass some background about the topics being covered, followed by time for discussion, peer reviews, and time to work on sections of the paper, constructing a poster, and presentation. The workshop will be a mixture of instructor-led and peer-led content presentations (protégés should expect to be part of at least one group presentation) and we will have some learn-create-peer-review workshops.

To prepare for the workshop, please read the description of next week's workshop and come prepared to work on your projects by bringing your laptops, lab notes, and any papers, etc., that you need for writing.

Expectations for this workshop:

- Be respectful of other people and other people's time
- Be on time and ready for the workshop (we will start promptly at 9:00 a.m.)
- Be prepared to work on your projects (bring laptops, lab notes, papers, anything you need for writing)
- Participate in group activities, group presentations, peer reviews, and other activities on Fridays
- This workshop is a safe space, a place to come and talk with peers, to talk about research project concerns, and a place to help each other succeed in the summer and beyond.

What you need to submit:

- A major research article (~10 pages)
- A professional oral presentation (12 min, 3 min for questions)
- A professional poster presentation (3'x 4')

A note about plagiarism:

- Plagiarism is never acceptable and is grounds for immediate dismissal from SOARS. Please always cite your work, written work, and credit pictures and graphs used, etc. If you have any questions, I am happy to help answer them.

Workshop Schedule

The workshop is a time to ask questions, work on your material, get peer review and critique, and ask for additional help on your work.

Please read next week's workshop details and suggested 'background reading' in preparation for the next workshop. Make sure you have a laptop and material that you can work on during each session.

Date	Reading Subject	Reading Material
May 25	Writing an effective title	Ch. 3 – <i>Eloquent Science</i>
Overview & elevator speech	Develop elevator speech	http://www.bandwidthonline.org/howdoi/develop_elevator_speech.asp
June 1	Structure of scientific paper	Ch. 4 <i>Eloquent Science</i> (Sections 4.6 & 4.7)
Literature review & creating a work plan	Using effective Words & phrases	Ch. 10 - <i>Eloquent Science</i>
	Citations & references	Ch. 12 – <i>Eloquent Science</i>
	Literature reviews	http://writingcenter.unc.edu/handouts/literature-reviews/
	AMS reference formatting	https://www.ametsoc.org/ams/index.cfm/publications/authors/journal-and-bams-authors/formatting-and-manuscript-components/references/
June 8	Structure of a scientific paper	Ch. 4, <i>Eloquent Science</i> (Sections 4.4 -4.8)
Intro & methods	Using effective words & phrases	Ch. 10, <i>Eloquent Science</i>

Date	Reading Subject	Reading Material
June 15 Results & Discussion	Figures, tables, and equations Structure of a scientific paper	Ch. 11, <i>Eloquent Science</i> Ch. 4, <i>Eloquent Science</i> (Sections 4.9 & 4.10)
June 22 Awesome presentations	Constructing effective oral presentations Delivering compelling oral presentations	Ch. 25, <i>Eloquent Science</i> Ch. 26, <i>Eloquent Science</i>
June 29 Practice talks		
July 6 All about abstracts; Posters	The abstract and extended abstract Potent poster presentations	Ch. 23, <i>Eloquent Science</i> Ch. 27, <i>Eloquent Science</i>
July 13 No workshop Field Trip		
July 20 Conclusions & final sections	Structure of a scientific paper	Ch. 4, <i>Eloquent Science</i>
July 27 Final workshop- work on final products	Challenges to delivering your presentation	Ch. 28, <i>Eloquent Science</i> (Sections 28.3 & 28.5)

Homework and deadlines

We will discuss details about the assignments during the workshop and will have time to begin most of the projects during the workshop.

If it's a written piece, send **A DRAFT** to your writing mentor for comment (by 5 pm Wednesday, or as arranged with your mentor), and upload to the SOARS google drive. (Incorporating your mentor's suggestions is expected, but a revised version does not have to be submitted, as we realize it may evolve significantly through the summer and may undergo several revisions with your various mentors). Many

research mentors like to see your drafts at this stage too –please discuss with them when they’d like to be included in the writing feedback process.

If it’s an oral piece, please look it over/practice with your writing mentor before Friday’s workshop

Date		What?
30 May	Wed – 5:00 p.m.	Research title
1 June	Fri – 9:00 a.m.	1-minute elevator Speech We will record the elevator speeches in the session
6 June	Wed – 5:00 p.m.	Literature study; Work plan
13 June	Wed – 5:00 p.m.	Methods section (draft)
20 June	Wed – 5:00 p.m.	Introduction (draft)
28 June	Thurs – 12:00 p.m.	Practice talks Power Point due
29 June	Fri – 8:30 a.m.	Practice talk (intro & methods)
4 July	Holiday	
6 July		SACNAS abstract due (submit on line- see below for details)
11 July	Wed – 5:00 p.m.	Conference abstract (draft) Draft poster (intro, methods, some figures)
25 July	Wed – 5:00 p.m.	EWSS abstract and figure (FINAL) Draft of whole paper with results, discussion, and conclusion (Results and discussion – draft) (Conclusions – draft)
27 July	Fri – 12:00 p.m.	Colloquium presentations to Lorena (FINAL) SOARS conference abstract pre-submission form completed & Abstract submitted (if not already done)
30 July	Mon – 8:30 a.m.	Colloquium (12 min talk, 3 min for questions)
1 Aug	Wed – 8:00 a.m.	Poster due for printing (FINAL) AGU Abstract due (submit on line- see below for details) AMS Abstract due (date TBD – check website below)
2 Aug	Thurs – 2:00 p.m.	Poster session
3 Aug	Fri – 5:00 p.m.	Paper (FINAL)

Note: If you'd like another reading of your writing following incorporation of your mentor and peer reviewer comments, you are always welcome to send things to Lorena, lluna@ucar.edu

Additional Information

2018 SACNAS National Conference

- October 11-13, San Antonio, Texas
- <http://www.2018sacnas.org>
- **ABSTRACTS DUE: JULY 6**
- **Travel grant applications are due by JULY 6**

2018 AGU Fall Meeting

- 10-14 December, Washington, D.C.
- <http://fallmeeting.agu.org/2018/>
- **ABSTRACTS ARE DUE BY AUG 1**
- **Travel grant applications open in mid-June (check website for deadline)**

2019. 99th annual AMS Meeting

- January 6-10, Phoenix, Arizona
- <https://annual.ametsoc.org/2019/>
- **ABSTRACTS DUE: TBD (check website for deadline)**
- **Travel grant application deadline: TBD**

2019. AMS Student Conference

- January (TBD), Phoenix, Arizona
- <https://annual.ametsoc.org/2019/>
- **ABSTRACTS DUE: TBD (check website for deadline)**
- **Travel grant application deadline: TBD**