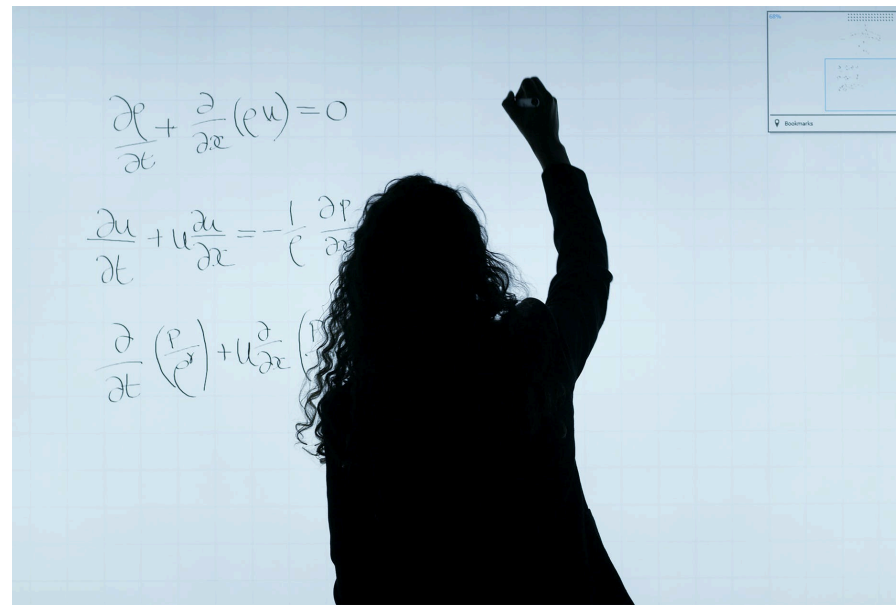


# Introduction to Journal Club

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Rocky Mountain Center for Occupational and Environmental Health



# Who am I?

- Camie Schaefer, PhD, Senior Technical Writer
  - I support faculty grant applications and publications, provide a spectrum of editing services (developmental editing to proofreading) to faculty and students, and support Center marketing efforts
- Available to assist with all aspects of student writing, including
  - Capstone project manuscripts (original research, reviews, etc.)
  - Publication of manuscripts
  - Conducting literature reviews (use of library databases, writing, analysis)
  - Creation of figures and tables
  - Citation support (EndNote assistance, resource for citation questions)
  - Scholarship and grant applications
  - CVs and other professional development
  - Journal Club presentations

# What is Journal Club?



- Weekly (12-1 p.m. on Fridays) gathering of RMCOEH trainees, faculty, and staff
- Students present and discuss scientific articles in the field of occupational and environmental health
- Depending on your program, you may be required to present at Journal Club, but all students are welcome to present and attend

**Attendance is strongly encouraged!**

# What is the weekly format?\*

- 2 trainees present per Journal Club. Each is responsible for 30 minutes of presentation/discussion

First 10 minutes	Presentation
Next 10-15 minutes	Small group discussion in response to pre-prepared questions from presenter
Final 5-10 minutes	Return to whole-group discussion to touch base

\*If you have participated in JC in the past, please note that this year we are piloting a new, discussion-based format

# When do I present?

- OM residents present 3 times in an academic year
- MSOH-IH and MSOH-OIPRT students present 1 time per year
- OEH/IH/OIPRT PhD trainees should present 2 times per year
- Ergo & Safety students are not required but encouraged to present/attend

If you are required to present, you will receive a link to sign up in your email. If you wish to present but are not required, please email [camie.schaefer@utah.edu](mailto:camie.schaefer@utah.edu) to sign up

# What should I present?

- Scientific article (i.e., based on empirical evidence) relevant to occupational and environmental health
  - Original research
  - Description of existing research (meta-analysis)
  - Commentary on current lines of thinking



ScienceDirect



EBSCOhost

# How do I choose a paper?

- Consult the list of recommended papers (*currently in progress*)
- Ask a faculty member if you have a topic in mind but not a paper

## Ideal papers hit one or more of the following criteria:

Multiply cited by other researchers

Topic relevant to your career goals OR your research project

Recently published (last 5 years) OR seminal (i.e., influenced later research)

Novel in approach, design, or topic

Challenging (e.g., a statistical method you want to learn more about or an unfamiliar focus)

# Where can I access articles?



- Visit <http://lib.utah.edu>
- Use library proxy to access databases (see below)
- Some articles are open access (no paywall) in individual databases

A screenshot of the J. Willard Marriott Library website. The browser address bar shows 'https://lib.utah.edu/'. The page features a navigation menu with 'RESEARCH', 'SERVICES', 'ABOUT', and 'ASK US'. A search bar is prominently displayed. Annotations include a green box around the 'RESEARCH' menu item with the text 'Find databases here (organize by name or type)', a green box around the 'Off Campus Access' link in the user menu with the text 'Log in here first', and a green box around the search bar with the text 'Log in here first'. The page also displays 'Today's Hours: 10am - 2pm', 'Chat 801-581-8558', and 'ALL U NEED' branding.



# What should I do to get ready?

- Email a PDF or URL of your chosen article to [camie.schaefer@utah.edu](mailto:camie.schaefer@utah.edu) by the Friday **before** your presentation
- Create a 10-minute PowerPoint presentation

# How do I format my presentation?



- ✓ Avoid excessive text (use bullets)
- ✓ Include images
- ✓ Avoid reading off slide
- ✓ Avoid including all figures/tables
- ✓ Highlight key information rather than repeating article verbatim



# What goes in my presentation?

1. **Purpose of study**
2. **Type of study** (cross sectional, prospective cohort, meta-analysis, etc.)
3. **Overview of the methods** (including study population, data collection, analysis)
4. **The main results**
5. **Strengths of study**
6. **Weaknesses of study**
7. **Discussion of results** (how might you implement these results into your own work, future research that might be carried out)
8. **Questions** for small group discussion

# What questions should I ask?

What is the study adding that is new, innovative, or interesting?

What sort of data do the authors have? What methods did they use to analyze, and what were the benefits/drawbacks?

Do you see any unaddressed biases?

Has the study appropriately dealt with confounders?

What are the implications of this study, for clinical work, professional practice, or research?

How is this study relevant to your field?

How generalizable are these results? Is this population representative? Would it apply elsewhere?



# Evaluation (Google Forms)

On a scale from 1-5, how clearly did the presenter outline the key elements of the study (e.g., the purpose of the study, methods, main results)? 1 is least clearly, 5 is most clearly. \*

1      2      3      4      5  
Not very clearly                   Very clearly

How clearly did the presenter identify the type of the study, strengths of the study, and weakness of the study? 1 is least clearly, 5 is most clearly. \*

1      2      3      4      5  
Not very clearly                   Very clearly

Were the discussion questions well-chosen (e.g., were they open-ended questions that sparked discussion and reflected knowledge of the article?) 1 is least effective for discussion, 5 is most effective for discussion.

1      2      3      4      5  
Not very effective for discussion                   Very effective for discussion

How professional was the presentation (e.g., was the presentation well-prepared, did the presenter seem prepared to ask and answer questions)? 1 is least professional, 5 is most professional. \*

1      2      3      4      5  
Not very professional                   Very professional

Comments for the presenter (please leave at least one) \*

Your answer \_\_\_\_\_

# Getting Started

1. First Journal Club will be held next Friday, 8/28, and will feature *Racial Capitalism within Public Health: How Occupational Settings Drive COVID-19 Disparities*. This article will be sent to your email along with a recurring Zoom invite.
2. If you have not already signed up for Journal Club, please do so via the Google Docs link sent via email. Remember, MSOH (IH and OIPRT) students present once, PhD students twice, and residents 3 times.
3. For any questions/concerns regarding Journal Club, please email [camie.schaefer@utah.edu](mailto:camie.schaefer@utah.edu)