

Publishing Your Scholarly Work

ANNA M. EIRING, PHD

FACULTY DEVELOPMENT COURSE

FEBRUARY 21, 2020



TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER.™
EL PASO

Center of Emphasis in Cancer

Learning Objectives

- ▶ After session 2, “Publishing Your Scholarly Work,” participants will be able to:
 - 1) List the different sections of a scientific manuscript.
 - 2) Discuss strategies for becoming a productive scholarly writer.

Scientific Manuscript – BASIC FORMULA

TOPIC

- + TITLE
- + ABSTRACT
- + INTRODUCTION
- + METHODS
- + RESULTS/DISCUSSION
- + CONCLUSIONS

SCIENTIFIC MANUSCRIPT

Scientific Manuscript – BASIC FORMULA

KEEP IT SIMPLE!!!

Publishing Your Scholarly Work - OVERVIEW

- ▶ **Submission:** **Identify a journal** that fits your topic of investigation.
- ▶ **Revision:** Nothing is perfect at first. If you are invited to **revise and resubmit**, address all points raised by the reviewers. Prepare a detailed summary of your changes.
- ▶ **Publication:** When the reviewers are satisfied that you have addressed all of their concerns, your paper will be **accepted for publication**. Share your work!!

Publishing Your Scholarly Work

Step 1: Data collection, analysis, & interpretation.

Step 2: Figure preparation.

Step 3: START WRITING!!!

Step 4: Share with colleagues and revise, revise, revise.

Step 5: Share with mentors and revise, revise, revise.

Step 6: SUBMIT to an appropriate journal. No news is good news!

The Peer Review Process

1) Editorial review

The Peer Review Process

- 1) Editorial review
- 2) Peer review

What is the research about?
Is it interesting?
Is it important?
Is the methodology sound?
Are the conclusions logical?
Are the findings original?

The Peer Review Process

- 1) Editorial review
- 2) Peer review
- 3) Reviewer recommendations to the editor

What is the research about?
Is it interesting?
Is it important?
Is the methodology sound?
Are the conclusions logical?
Are the conclusions original?

The Peer Review Process

- 1) Editorial review
- 2) Peer review
- 3) Reviewer recommendations to the editor
- 4) Editor decision to accept pending major/minor revisions or to reject

What is the research about?
Is it interesting?
Is it important?
Is the methodology sound?
Are the conclusions logical?
Are the conclusions original?

The Peer Review Process

- 1) Editorial review
- 2) Peer review
- 3) Reviewer recommendations to the editor
- 4) Editor decision to accept pending major/minor revisions or to reject
- 5) Revise and resubmit

What is the research about?
Is it interesting?
Is it important?
Is the methodology sound?
Are the conclusions logical?
Are the conclusions original?

Publishing Your Scholarly Work

- ▶ Verify that your **topic fits** the journal to which you are submitting
- ▶ Limit yourself to the **word count**
- ▶ Follow all **instructions** on formatting for text and figures
- ▶ Include all **additional information**
e.g. Personal data, keywords, subsection where you will submit the paper
- ▶ **Correct English** syntax and spelling
- ▶ Keep to the **deadline**
- ▶ If you are working with other people, get their **permission** before you submit

Avoid Predatory Journals

- ▶ **Predatory Journals:** Publishers or entities that exploit authors by:
 - ▶ Charging publication fees (commonly known as article processing charges)
 - ▶ Don't deliver on editorial or publishing services (such as peer review) that are associated with legitimate publishers.
 - ▶ Manuscripts are often requested to be submitted by email instead of through an online submission system.

Avoid Predatory Journals

- ▶ Is the journal indexed by MEDLINE, Scopus, Web of Science, or other legitimate indexing services or databases?
- ▶ Does the journal have an impact factor?
- ▶ Is the scope of the journal well-defined and clearly stated?
- ▶ Are the editors and editorial board members recognized experts in the field?

Advice for Clinicians

- ▶ You need funding to publish, but you need publications to get funding...
- ▶ Do you have any publications yet in the field?
- ▶ If the answer is no....**COLLABORATE!!!**
 - ▶ Establish internal & external collaborations.
 - ▶ Go to conferences and get to know the leaders in the field.
 - ▶ Submit abstracts and present your work as an oral or poster presentation.
 - ▶ Find people who need samples from your patient population.
 - ▶ Get your name out there!!

Nature Careers Toolkit

- ▶ Early career researchers face myriad challenges in their working lives. Making an appropriate CV, finding funding for their projects, or deciding what they want to do when they finish their degrees are all crucial turning points.
- ▶ <https://www.nature.com/collections/gjdbbdcacd/>

Department of Molecular and Translational Medicine

- ▶ “It takes a village”
- ▶ The **Department of Molecular and Translational Medicine** has research efforts in 4 areas:
 - 1) Cancer biology
 - 2) Diabetes and metabolism
 - 3) Infectious diseases
 - 4) Neurosciences
- ▶ ~85% research effort
- ▶ **Research collaborations** can help with scholarly activity for clinicians



TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER™
EL PASO

Paul L. Foster School of Medicine
Department of Molecular and Translational Medicine

Biostatistics and Epidemiology Consulting Lab (BECL)

- ▶ BECL provides expertise and assistance for members of the TTUHSC El Paso scientific community in the following areas:
 - ▶ Study design (including sample size and power calculations)
 - ▶ Analysis of data for statistical significance
- ▶ To get started, go to <https://elpaso.ttuhschool.edu/research/services/becl/policiesandservices.aspx> and click on **Service Request Forms**

Scholarship and Research Consultation Lab (SARCL)

- ▶ SARCL provides consultation services for scholarly and research projects at no cost to all TTUHSC El Paso full-time faculty.
- ▶ Services include:
 - ▶ Idea development
 - ▶ Improving specific aims
 - ▶ Manuscript review
- ▶ To get started, go to https://ttuhscep.edu/the-scope/excellence/Scholarship_and_Research_Consultation_LabApril1.aspx and click on **Intake Form**

TTHUSC El Paso Library Resources

- ▶ The TTUHSC El Paso library has resources to help you with writing grants and manuscripts:
 - ▶ <http://elpaso-ttuhsc.libguides.com/c.php?g=839289&p=6081088>

Funding Your Scholarly Work

Questions?

Helpful Reading Materials

- 1) Andrade C. How to write a good abstract for a scientific paper or conference presentation. *Indian J Psychiatry* 2011.
<https://www.ncbi.nlm.nih.gov/pubmed/21772657>.
- 2) Young J, Bridgeman MB, Hermes-DeSantis ER. Presentation of scientific poster information: Lessons learned from evaluating the impact of content arrangement and use of infographics. *Curr Pharm Teach Learn*. 2019.
<https://www.ncbi.nlm.nih.gov/pubmed/30733019>.
- 3) Thomas Ogden and Israel Goldberg. *Research Proposals: A Guide for Success*. 3rd Edition, Academic Press, 2002.
- 4) Barker L, Rattihalli RR, Field D. How to write a good research grant proposal. *Pediatrics Child Health*. 2015.
<https://www.sciencedirect.com/science/article/pii/S1751722215001985>.