

What is Science Writing?

The Science of Scientific Writing

<https://www.americanscientist.org/blog/the-long-view/the-science-of-scientific-writing>

This guide to scientific writing is popular in Amherst College's neuroscience department.

How to Write a Paper in Scientific Journal Style and Format

<http://abacus.bates.edu/~ganderso/biology/resources/writing/HTWsections.html>

This website offers a broad overview of the organization and style of a scientific report. It is well-organized with links. While the specific formatting instructions do not apply to Amherst College theses, it is written to a novice audience and is a good general guide.

Scientific Storytelling

http://ezproxy.amherst.edu/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=nlebk&AN=422162&site=eds-live&scope=site&ebv=EB&ppid=pp_26

I think that the most helpful book for learning how to tell a scientific story is Joshua Schimel's *Writing Science*. It is written for professional scientists who are trying to improve their writing. The book is organized around the concept of scientific storytelling. In chapter 4, Schimel shows how the IMRAD format can be thought of as a classical plot line: Opening, Challenge, Action, Resolution. If you only have a little time, you can skip straight to section 4.3.

How to (seriously) read a scientific paper.

<https://www.sciencemag.org/careers/2016/03/how-seriously-read-scientific-paper>

Scientific writing is writing that is done for an audience of professional scientists. Scientists do not read a study from beginning to end. So, when you are learning to write for a scientific audience, it is important to understand how people in the field use the IMRAD format. No matter how many times a writing instructor explains that figures need to stand on their own, a novice writer in the discipline will not understand this point until they understand how professionals in the field will read what they have written. This article shares statements by active researchers in a variety of fields describing the way they read a scientific study. If you are writing or revising your thesis, imagine them reading what you have written this way. Would they be able to follow what you've done and find the information they are looking for?