

## A Guide to Scientific Writing

Neal Lerner

Marilee Ogren-Balkema

Massachusetts Institute of Technology

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### Introductions

#### What's an Introduction?

- ❑ An introduction is a method to *familiarize and orient* your readers.
- ❑ The content of an introduction depends on its *purpose* and the *audience*.
- ❑ All models share a *direct approach*. Don't hide your main point or save it until the end of the paper.

#### What's the Purpose of an Introduction in Scientific Writing?

- ❑ Provide the *context* of your work (create your research space, define gap in knowledge, set up the direction you'll take in your discussion section).
- ❑ State your *focus* (hypothesis, question).
- ❑ Provide *justification* for your work (how your work can answer the question).

#### What are Some Common Pitfalls of an Introduction Section?

- ❑ Including *unnecessary background* or being repetitive.
- ❑ *Exaggerating* (or understating) the importance of your work.
- ❑ Using *lackluster* openers and *weak* follow-through in the body of your introduction.
- ❑ Not grounding the work in a *context* that will be important to your reader.
- ❑ Not *focusing* on a clear and compelling research question or hypothesis.

#### Guidelines for Introductions from Two Scientific Organizations

*From the International Committee of Medical Journal Editors:*

State the purpose of the article and summarize the rationale for the study or observation. Give only strictly pertinent references and do not include data or conclusions from the work being reported.

*From the American Society for Microbiology:*

The introduction should supply sufficient background information to allow the reader to understand and evaluate the results of the present study without referring to previous publications on the topic. The introduction should also provide the hypothesis that was addressed or the rationale for the present study. Use only those references required to provide the most salient background rather than an exhaustive review of the topic.

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### Methods

#### What are Some Goals of a Methods Section?

- ❑ Present the **experimental design**.
- ❑ Provide enough detail to allow readers to **interpret your results**.

# Guide To Science Writing

**Lingjun Ying**



## **Guide To Science Writing:**

## Unveiling the Magic of Words: A Report on "**Guide To Science Writing**"

In some sort of defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**Guide To Science Writing**," a mesmerizing literary masterpiece penned by way of a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve to the book is central themes, examine its distinctive writing style, and assess its profound affect the souls of its readers.

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