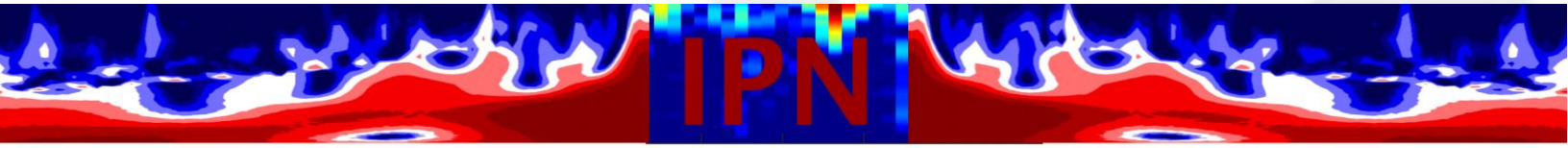

TEXAS A&M HEALTH
Institute of Pharmacology and Neurotherapeutics

High-Impact Science Writing Workshop for Students and Postdoc Scholars

The Texas A&M Health *Institute of Pharmacology and Neurotherapeutics* (IPN) is organizing an integrated Writing Workshop for graduate students and postdoctoral scholars, entitled "**High-Impact Scientific Writing Workshop for Students and Postdoc Scholars"** (by Dr. Susan Marriott, BioScience Writers LLC). It is offered to students, postdocs and faculty. Registration is free (because the IPN is paying for it), but only limited spots are available. This workshop consists of three separate sessions in a hybrid (in-person and online) format.

SESSION 1: **Scientific Publication Tips**: **An Introduction to High Impact Science Writing** (June 6, 2022) – This 80-min session was held as part of the IPN June seminar. Open to All.

SESSION 2: **Online High Impact Science Writing eCourse** (July 2022)– Nine self-paced online video modules (~ 7 hr to complete), pre-and post-test to measure your learning gains, quizzes to practice your skills, downloadable workbook, and receive a Certificate of Completion. Registration needed.

SESSION 3: **The Art and Method of Writing a Scientific Manuscript** (July 25, 2022)– In person, interactive "Wrap-Up" session – This session will cover eight topics that will prepare you to write your next scientific manuscript by applying high-impact science writing. This is followed by an interactive Q&A Session. This Wrap-Up Session (open to all) is scheduled for July 25, 2022 from 12noon to 2pm, as part of the IPN monthly seminar series. Open to All

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Session 1: Completed

Session 2: Online High Impact Writing eCourse

Date: July 2022 (flexible, online modules)

This course consists of nine sections, each having multiple videos including an introductory overview video explaining the Section content and Learning Objectives along with a Section Summary video reviewing key points. The content of each section is summarized here, and expected course completion time is ~7 hr.

Learning Objectives

- Identify and evaluate key components of clear and effective science writing
- Use the power of words to communicate your unique scientific ideas accurately and concisely
- Avoid common, but often-overlooked, scientific writing mistakes

Course Outline

Great scientific communicators effectively convey complex ideas to broad audiences with passion and in understandable terms. This course will help you become a great scientific communicator by teaching you to write with clarity and brevity. You will learn to identify and understand your audience, how to choose the best word possible for different concepts, and how to structure your sentences and paragraphs such that they are a joy to read. You will learn fundamental tools and thought processes that will highlight the most important aspects of your work and elevate the impact and visibility of your research. You will practice what you have learned by actively untangling difficult writing and watching your instructor work through and explain effective writing. Upon completing this course, you will be well on your way to becoming a great scientific communicator.

Section 1: Introduction to High-Impact Scientific Writing
Meet your instructor, Learn what to expect and how to use this course, Understand the importance of clear scientific writing.

Section 2: Define your Audience and Get Started
Learn what high-impact scientific writing is, Define your audience, Start with a question.

Section 3: Use Precise and Powerful Words
Choose words precisely, Choose words that meet your reader's needs, Replace non-specific words, Use powerful verbs, Express information that is uncertain.

Section 4: Avoid Common Writing Mistakes
Use the word "the" properly, Identify and eliminate jargon, Use the words "affect" and "effect" properly, Write in positive form.

Section 5: Achieve Simplicity and Brevity
Write simply, Substitute worn out words and phrases, Delete or condense meaningless phrases, Remove unnecessary repetition.

Section 6: Construct Compelling Sentences
Structure your sentences for the reader, Use active voice, Use proper verb tenses, Avoid long strings of nouns and adjectives, Clarify pronouns.

Section 7: Build Sentences for the Reader
Write with parallelism, Effectively make comparisons, Use "which" or "that" properly, Properly punctuate, Learn how to write readable sentences.

Section 8: Craft Powerful Paragraphs
Organize and structure paragraphs effectively, Use consistent order, Create paragraph continuity by linking key words.

Section 9: Write for Readability
Use transitions, Improve brevity, Measure readability.

Session 3: The Art and Method of Writing a Scientific Manuscript – An Interactive Forum

Date: July 25, 2022 (time: noon- 2pm)

This "Wrap-Up" session (2 hours) will cover eight topics that will prepare you to write your next scientific manuscript by applying high-impact science writing. This is followed by an interactive Q&A Session. It is scheduled for July 25, noon - 2pm (with Lunch) in HSC Bryan Campus /HPEB Room LL43A.

Interactive Session Topics:

- Preparing to write
- Writing the Title
- Writing the Abstract
- Writing the Introduction
- Writing the Methods
- Writing the Results
- Writing the Discussion
- Submitting Your Manuscript

Learning Objectives:

- Identify the structure and evaluate the components of a scientific manuscript
- Learn rules and conventions of writing scientific manuscripts
- Apply simple and effective strategies to create impressive manuscripts
- Learn steps in submitting a scientific manuscript successfully to an academic journal

The Interactive Session is scheduled for **July 25, 2022** from noon to 2pm (with Lunch), as part of the IPN monthly seminar series. This is an in-person session, with *Zoom* option as well.

IMPORTANT NOTES FOR STUDENTS/ POSTDOCS:

- **The Workshop is for twenty (20) participants only.**
- **Register early to get an assured spot. It is open to students, postdocs and faculty.**
- **This is a free course because the IPN is paying for it. Please register only if you are committed to completing the entire workshop training courses.**

If you are interested in this course, email Dr. Sreevidhya Ramakrishnan at sreevidh@tamu.edu by Friday, June 24th.

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