nature masterclasses



IF YOUR RESEARCHERS ARE ABOUT TO WRITE A PAPER...

If your researchers are about to write a paper or planning to write their very first paper, head to 'Writing a Research Paper', Part 1 of the Scientific Writing and Publishing course.

Using the table below, jump to the module that matches the stage your researchers are at

within the writing process. (Log in to <i>Nature Masterclasses</i> using your institution's access method and the link will take you straight to the module)			
If your researchers are about to	Go to module:	What your researchers will learn from the module:	Lessons within the module:
Start writing up their research for the very first time	Module 1 What makes a great paper?	Learning outcomes: Where publication fits into the research life cycle The importance of publishing research The criteria for a good paper How Nature Research journal editors define a great paper	 Why publish your research? Starting to write and using storytelling to craft your paper What do editors look for in a great paper? There is no magic formula to writing a great paper Editors' favourite papers FAQ Module summary
Start writing their papers	Module 2 Elements of writing style	Learning outcomes: Simple changes you can make when writing to make your papers easier to read How to use different paragraph types and transitions to create focus and flow in your manuscript How to improve your writing style through exercises What makes a good title Two easy-to-use abstract templates that you can apply directly to your own writing What to avoid when writing titles and abstracts	 The ABC of effective writing Common issues in writing style Building a paragraph FAQ Module summary
	Module 3 Titles and abstracts		 How to reach your audience The value in crafting a great title How to write effective titles Things to avoid in titles Choosing keywords for your paper How to write an abstract Things to avoid in abstracts Module summary
Write the body of their paper	Module 4 From introduction to conclusion	Learning outcomes: What should be included in, or excluded from, each section of the paper How to organize your ideas effectively and avoid common mistakes How to create a narrative flow to help readers follow your argument	 Writing a paper: The big picture Writing the introduction Writing the methods section Writing the results section Data deposition Writing the discussion section Writing the combined results and discussion section Writing the conclusion Things to avoid: Overhyping your work FAQ Module summary
Share their data	Module 5 <u>Data</u> <u>management</u>	Learning outcomes: Why it is important to accurately record, share and preserve your data The best approaches to managing your research data The importance of sharing your data and who might use it	 Managing data Risks of data mismanagement Creating a data management plan The importance of sharing data Meaningful metadata Sharing data The rise of data journals FAQ Module summary

- 9. Module summary

...Create their figures

Module 6 **Data** presentation

Learning outcomes:

- The four principles of creating clear and engaging figures for your paper
- How to choose which figures to include in your manuscript
- Best practices in raw data processing and image preparation Tips to ensure that your figures
- are clear and informative for your readers
- Principles of data presentation
- 2. Determine your main message 3. Find the best format for your data
- 4. Organize your data
- 5. Choose a representative image
- 6. Visual clarity7. Use colour wisely
- 8. FAQ
- 9. Module summary