## nature masterclasses



## IF YOUR RESEARCHERS ARE ABOUT TO PUBLISH A PAPER...

If your researchers are about to publish research or planning to publish their very first paper, head to 'Publishing a Research Paper', **Part 2 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 publication process. (Log in to *Nature Masterclasses* using your institution's access method and the link will take you straight to the module)

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:		
Publish for the first time	Module 1 Authorship and authors' responsibilities	Learning outcomes:  How the line between authorship and acknowledgement can be defined in various situations  To recognize authorship practices that fail to meet acceptable standards of scientific integrity  How to discuss authorship and author order in your team	<ol> <li>Principles of authorship</li> <li>Author contributions</li> <li>Authorship in collaborative teams and consortia</li> <li>Authorship disputes</li> <li>Author identity and researcher identifiers</li> <li>How to start a conversation on authorship</li> <li>An editor's experience: Honorary authors</li> <li>FAQ</li> <li>Module summary</li> </ol>		
Choose a journal in which to publish their paper	Module 2 Selecting a journal for publication	Learning outcomes: What criteria to use when choosing a journal How the order of priority of these factors may change depending on the situation How to identify and avoid questionable journals How to create your own checklist for journal selection	<ol> <li>Key considerations for selecting a journal</li> <li>Why and where to publish?</li> <li>Publishing in open access journals</li> <li>Avoiding predatory journals</li> <li>Case study: Bohannon's sting</li> <li>FAQ</li> <li>Module summary</li> </ol>		
Submit their manuscript	Module 3 Submitting your paper	Learning outcomes:  What information is useful for editors when they receive your paper  How to organize this information into a strong cover letter and how to summarize your research without repeating the abstract	<ol> <li>Submitting your manuscript</li> <li>Presubmission enquiries at scientific journals</li> <li>Scientific cover letters</li> <li>An editor's experience: The submission process</li> <li>What constitutes a conflict of interest?</li> <li>FAQ</li> </ol>		

Which additional information and

documents can be requested by journals at each stage of the

process

7. Module summary

Have their work peer- reviewed	Focus on Peer Review, the free course from Nature Masterclasses, for a deeper dive into peer review	Learning outcomes:  The different models of peer review How editors select referees When and how to peer review The benefits of being a peer reviewer	<ol> <li>A brief history of peer review</li> <li>Types of peer review</li> <li>The benefits and limitations of peer review</li> <li>How editors select referees</li> <li>When to accept or decline an offer to peer review</li> <li>An editor's experience: Being a first-time peer reviewer</li> <li>What makes a great peer review report?</li> <li>How to think like a peer reviewer when you read a paper</li> <li>How editors assess referee reports</li> <li>Rewards for referees</li> <li>FAQ</li> <li>Module summary</li> </ol>
Work with editors	Module 5 <u>Journal</u> <u>decisions</u>	Learning outcomes:     To distinguish the different types of editorial decisions     To read and interpret editorial decision letters     Wow to prepare a rebuttal and an appeal letter     What happens after acceptance and publication	<ol> <li>Types of editorial decisions after peer review</li> <li>Common reasons for rejection at scientific journals</li> <li>How to respond to peer review comments</li> <li>Making an appeal</li> <li>The dos and don'ts of appealing</li> <li>What happens after acceptance at Nature Research journals?</li> <li>Post-publication criticism</li> <li>Module summary</li> </ol>
	Module 6 The editorial process	<ul> <li>Learning outcomes:</li> <li>Editorial processes at different journals</li> <li>The different stages of manuscript handling by editors</li> <li>How editorial teams work together to make initial decisions on manuscripts</li> <li>What happens to your article after it is accepted</li> </ul>	<ol> <li>Different editorial processes</li> <li>The editorial process at top-tier journals</li> <li>Publishing a paper is a team effort</li> <li>FAQ</li> <li>Module summary</li> </ol>
Measure the impact of their scientific research	Module 7 Measuring impact	What research metrics are     The different levels of metrics (article, author, institution)     How to calculate metrics and how to use them     Limitations of research metrics and how the research community is working to change the metrics landscape	<ol> <li>An introduction to research metrics</li> <li>Article-level metrics</li> <li>Researcher-level metrics</li> <li>Focus on the h-index</li> <li>Institutional-level metrics</li> <li>Module summary</li> </ol>
Understand how to avoid plagiarism and poor ethical standards in research	Module 8 Plagiarism and other ethical issues	Learning outcomes:  The different types of misconduct  Our editors' perspective on specific cases of misconduct  In which circumstances a correction or retraction might be appropriate  Where to look for further information and advice	<ol> <li>Why some researchers behave unethically</li> <li>Defining plagiarism and tools to detect it</li> <li>Focus on duplicate submissions</li> <li>Inappropriate citations</li> <li>A case study of misconduct</li> <li>Post-publication corrections</li> <li>Retractions</li> <li>Module summary</li> </ol>