

The Future of Research Publishing –6 Trends to Watch

*Rachel Burley¹

1. Springer Nature

Communicating research results is essential not only to advance scientific knowledge and build foundations for future discoveries but also to benefit from the exchange of ideas and establish valuable collaborations through the publication and review process.

Research publishing has a long and steady history with the scholarly journal as the means of communicating results and finding. But over the last five years the pace of change has accelerated and there have been significant developments in scientific, technical and medical publishing, including the growth of open access as a publishing model and the emergence of megajournals. The focus on making research results openly available has burgeoned and spread across geographies and research disciplines. More recently attention has moved onto transparency, reproducibility and open data with major research funders requiring researchers to share their data and publishers and others introducing services to enable authors to do so.

But have these initiatives gone far enough toward solving some of the issues that are most important to researchers, such as the increasing demand for rapid publication of their results, or the growing burden on the peer review community as research output continues to grow?

In this session, we will explore six trends that have the potential to either incrementally or radically change the research publishing landscape, from innovations in peer review to artificial intelligence. And what might the triggers be that initiate these changes?

Keywords: publishing, research communications, peer review, reproducibility, open access, open data