

Open Science

Open science is the name given to a change in the culture of scientific research, enabled by developing technologies and new opportunities for communication and collaboration. It encompasses topics including open access, open data, metrics, research integrity and public engagement. The change in culture resulting from open science affects all stages of the research cycle from conceptualization of research through to publication and wider dissemination.

The Biochemical Society supports open science and the opportunities that it offers both for the molecular bioscience community and for society more broadly. The aims of open science correlate with the Society's objectives to facilitate the sharing of knowledge and increase engagement with and awareness of, the importance of biochemistry and molecular biology in addressing the challenges facing society.

The Society keeps under review the research and funding landscape to ensure that our policies evolve in line with the changing needs of our community. Additionally, the Society is committed to maintaining the technological standards needed to enable open science, such as provision of good article metadata and use of persistent identifiers.

Central features of open science and the Society's position on each are outlined below.

Open Access: We support sustainable open access that maximizes availability and accessibility of research while maintaining ethical standards and choice for researchers. The open access policy for the Society's journals can be found at www.portlandpresspublishing.com/content/open-access-policy.

Open Data: We support the principle that research data should be Findable, Accessible, Interoperable and Reusable (FAIR). The Society is committed to working with the molecular bioscience, and wider life science, communities to support scientists in making data open in the way that best enables the future development of life science research. The data policy for the Society's journals can be found at www.portlandpresspublishing.com/content/open-access-policy#Data Policy.

Research Metrics: We are a signatory of the [San Francisco Declaration on Research Assessment \(DORA\)](#) and believe that while metrics can form part of a holistic assessment of research, they should not be used alone to assess its value.

Citizen Science and Public Engagement: We believe that enabling the widest possible engagement with science and participation across all sections of the community is fundamental to the principles of open science. We are committed to supporting students and researchers to communicate their work and promote public engagement with biochemistry and the molecular biosciences.

Research Integrity: We believe that maintaining ethical standards in the practice and publication of scientific research is essential, and we consider a robust, responsible peer review process to be central to the maintenance of these standards. Our journals are published in accordance with [Committee on Publication Ethics \(COPE\)](#) guidelines.

Further information:

1. Portland Press Editorial Policy: <http://www.portlandpresspublishing.com/content/editorial-policy>.
2. *Open Innovation, Open Science, Open to the World – a vision for Europe*, European Commission Directorate General for Science and Innovation, 2016, ISBN: 978-92-79-57346-0, DOI: 10.2777/061652.