



# Connecting Open Science and Publishing

15:00-16:00, November 11 (Mon) 2024

Seminar Room, Science Frontier Laboratory

先端科学研究棟（医学部構内）一階、大セミナー室



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*Keywords: Scientific Publication, Reproducibility, Open Science*

The five journals of EMBO Press publish highly selected research. I will discuss criteria for selection and policies that enable a more constructive, informed process focused on improving research with minimal friction for researchers.

Optimal scholarly dissemination links peer-reviewed scientific journals with *Open Science* through synergism between research articles, preprints and data repositories. This is exemplified by the concept of 'refereed preprints' and the *Review Commons* journal agnostic review service, but also the publication of curated, quality controlled source data. Together, these initiatives accelerate scientific sharing and allow for a more constructive research assessment.

Data and methods should be available to referees to enhance classical peer review with data focussed peer review and AI-human based quality control steps. Open Science platforms allow sharing with minimal delay and maximal transparency and, together with high quality OA publishing, will increase the efficiency of scientific dissemination.

I will discuss the impact of AI on the research process from bench to journal.

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