

# The Implementation of Open Science Practices Can Enable A Faster Development Of Top-Down Proteomics

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Open data and science practices, including e.g. the FAIR (Findable, Accessible, Interoperable and Reusable) data principles, are widely implemented in the life sciences. Although this process started years later in proteomics than for other more established omics approaches (e.g. genomics and transcriptomics), their implementation in the field have enabled spectacular advances e.g. in analytical and computational data workflows, including the integration of large amounts of proteomics data in bioinformatics data resources. In the concrete case of top-down proteomics (TDP) and proteoform-centric data, the implementation of open science practices has been more limited due to different reasons, and there is the need for some key new developments. In my view, one of the main priorities of the TDP field should be to fully endorse and implement them to enable new approaches that would help to develop the field faster and a wider dissemination of the outputs of the field. In my talk, I will describe some concrete needs and ideas in this context for TDP and proteoform data

## User consent

yes

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