



Contribution ID: 75

Type: **TALK**

Tracking the cell –metadata for single-cell genomics in biomedicine [CellTrack]

Monday 4 November 2024 11:45 (20 minutes)

As the volume of omics single-cell data continues to grow, so too must our data management and processing capabilities to ensure its effective secondary use, particularly in research and diagnostics. While single-cell data holds immense potential for AI applications, current documentation standards fall short of being AI-ready. To address these challenges, we organized a Writathon, resulting in a comprehensive white paper.

The outcomes of this project will directly contribute to significant national and international infrastructure initiatives, most notably the German Human Genome-Phenome Archive (GHGA), a national genomics platform funded by the NFDI, and scverse, a community-driven framework dedicated to develop core infrastructure and interoperable software for essential analytics in single-cell genomics.

Please specify "other"

In addition, please add 3 to 5 keywords.

Single-cell, Metadata, AI-ready, Omics, Big data

Please specify "other"

For whom will your contribution be of most interest?

Data professionals and stewards

Please assign yourself (presenting author) to one of the following groups.

Scientists and technicians who maintain and operate research infrastructure for data generation

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