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Working

'Frankenstein' protocol for nuclei isolation from fresh and frozen tissue for snRNAseq

Luciano Martelotto¹

¹Single Cell Innovation Lab (SCIL), University of Melbourne, Centre for Cancer Research, Victorian Comprehensive Cancer Centre

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Human Cell Atlas Method Development Community



Luciano Martelotto



ABSTRACT

This protocol is the result of the combination of various nuclei isolation protocols for single-cell methods, hence the name Frankenstein. Developed to prepare nuclei isolates from small : protocol uses FACS to identify cell subpopulations based on ploidy (e.g. tumor versus stromal cells), and to remove any debris, especially ambient RNA, to help reduce background. Following papers: Hu, et al., Habib, et al. (2016), Habib, et al. (2017), Lake, et al., and Laca

This protocol is routinely used in the single-cell innovation lab for single nuclei experiment

The protocol has been demonstrated to work successfully with fresh, snap/flash frozen, various solid cancers: pancreas, pheochromocytomas, paragangliomas, breast cancer, l

EXTERNAL LINK

<https://research.unimelb.edu.au/centre-for-cancer-research/our-research/single-cell-innovation-lab/>



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