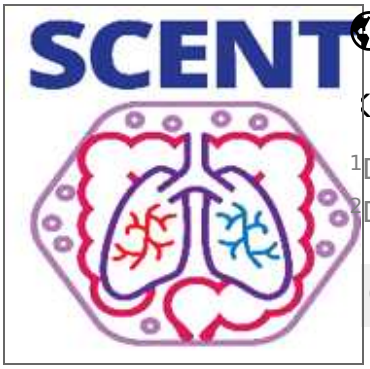

U54 SCENT 10x Genomic Single-Cell Multiome

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Cellular Senescence Network (SenNet) Method Development Community

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ABSTRACT

This document outlines the 10X Genomics Single-Cell Multiome Protocol used for normal lung and colon tissues for SCENT at Duke University.

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Protocol status: Working
We use this protocol and it's working

Created: Jun 07, 2023

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PROTOCOL integer ID: 83009

10X Gemonics Single-Cell Multiome Protocol

1 Nuclei were isolated using this 10x Genomics kit - Chromium Nuclei Isolation with RNase Inhibitor Kit, 16rxns, and this protocol

2 Multiome libraries were generated using these kits - Chromium Next GEM Single Cell Multiome ATAC + Gene Expression Reagent Bundle and this protocol

3 Libraries were sequenced on Illumina sequencers to a read depth of at least 50k reads/nucleus for Gene Expression with read lengths of 28x10x10x90 and at least 25k reads/nucleus for ATAC with read lengths of 50x8x24x49.