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U54 SCENT 10x Genomic Single-Cell Multiome

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Karen Abramson¹, Simon Gregory^{1,2}

¹Duke Molecular Physiology Institute, Durham, NC, USA;

²Department of Neurology, Duke University, Durham, NC, USA

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Protocol status: Working

We use this protocol and it's working

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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.



10X Genomics 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 28×10×10×90 and at least 25k reads/nucleus for ATAC with read lengths of 50×8×24×49.