Mass Spectrometry-based Multi-Omics: Combinations of Proteomics, Metabolomics, and/or Lipidomics

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Abstract

Introduction

Here is where we briefly go over the following:

1. Cover other reviews
2. What is proteomics
3. what is metabolomics
   - polar metabolomics
   - lipidomics
4. what does multi-omic integration mean?

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Test adding citation by PMID [2]

Sample Preparation for Multi-Omic Analysis

1, sample preparation for proteomics

2, sample preparation for metabolomics 2.1 non-targeted metabolomics

2.2 targeted metabolomics

2.3 lipidomics

doi:10.1038/nprot.2016.156

https://www.nature.com/articles/s41596-020-0341-5
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Nature Methods (2020-12) https://www.nature.com/articles/s41592-020-00999-z
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2. **Charge state coalescence during electrospray ionization improves peptide identification by tandem mass spectrometry.**
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