

# Metabolomics Analysis Sub-Core

Metabolomics Analysis contracted with Metabolon for Vanderbilt investigators.

Keywords: [metabolite](#) [Metabolon](#) [Metabolomics](#) [metabolomic](#)

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The Hormone Core has a contract with Metabolon to provide Metabolomics Analysis. This service is only available to internal Vanderbilt investigators.

Plasma or tissue samples will be shipped to Metabolon in Durham, North Carolina.

The service will include analysis of small molecule biomarkers, bioinformatics analysis of samples, statistical analysis, and biochemical and biological interpretation of the results of the chemical, bioinformatics, and statistical analysis.

Included in the biochemical sample analysis is biochemical extraction, sample preparation and an analytical platform that is designed and optimized to detect small molecule biomarkers from numerous chemical classes and various sample matrices.

Liquid chromatography electrospray ionization tandem mass spectrometry is used to obtain the best resolution of metabolites.

You will work with Metabolon on the specific needs of your project.

[Click here to schedule a free consultation](#)

**The Metabolomics Analysis Sub-Core is supported by NIH grant DK020593. Please acknowledge this in your publications.**

## Publications / Citations

1. [Metabolomics analysis identifies novel plasma biomarkers of cystic fibrosis pulmonary exacerbation](#). Laguna TA, Reilly CS, Williams CB, Welchlin C, Wendt CH (2015) *Pediatr Pulmonol* **50(9)**: 869-77  
› Primary publication · [26115542](#) (PubMed) · [PMC5553866](#) (PubMed Central) · Added on 7/31/2015

## MeSH Terms

[Adolescent](#) [Adult](#) [Biomarkers](#) [Cohort Studies](#) [Cystic Fibrosis](#) [Cytidine](#) [Female](#) [Humans](#) [Hydrocortisone](#) [Hypoxanthine](#) [Male](#)  
[Mannose](#) [Matched-Pair Analysis](#) [Metabolome](#) [Metabolomics](#) [Methionine](#) [Young Adult](#)