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Bioinformatics Core

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<https://www.feinberg.northwestern.edu/sites/transplant/research/research-cores/bioinfo-core.html>

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COMPREHENSIVE TRANSPLANT CENTER

BIOINFORMATICS CORE



Mission



Our mission is to advance patient centric impact by providing high quality data analysis, innovative computational approaches and educational support to enhance basic, pre-clinical, clinical and epidemiological transplant research.

Powering Research Success through Bioinformatics

The Comprehensive Transplant Center's Bioinformatics Core provides cutting-edge computational and analytical support to investigators across basic, translational, and clinical research. Led by Dr. Connor Lantz since 2024, the Bioinformatics Core specializes in genomics, transcriptomics, proteomics, metabolomics and integrative multi-omic approaches at both the bulk and single cell level.

Grant Application Support

- **Strengthen Proposals:** High-quality bioinformatics data for preliminary results
- **Grant Writing Support:** Assistance with computational methods and study design
- **Data Visualization:** Creation of figures, heatmaps, and network graphs
- **Collaboration & Letter of Support:** Available as co-investigators or collaborators

Enhancing Publications

- **Comprehensive Data Analysis:** From raw data processing to biological and clinical interpretation
- **Publication-Ready Figures:** High-quality visualizations for manuscripts
- **Reproducibility and Rigor:** Standardized workflows and analysis pipelines

Services

Comprehensive Molecular Profiling

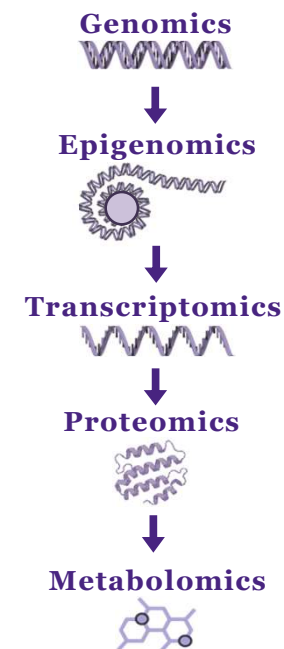
- RNA Sequencing
- ATAC-Sequencing
- ChIP-Sequencing
- Metabolomics
- HLA Typing from DNA Sequencing

Single Cell Capabilities

- Single Cell RNA Sequencing
- Single Cell ATAC Sequencing
- Spatial Transcriptomics

Data Storage

- Data Storage and Management



Getting Started

To discuss starting a project using the services of the Bioinformatics Core of the Comprehensive Transplant Center, please contact:

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Or complete the intake form on our website:

<https://redcap.nubic.northwestern.edu/redcap/surveys/?s=P9P4XHAWXYXRMLXW>