

Drug Target & Biomarker Discovery



Mapping Disease Driver Genes and Pathways

We have assembled disease-specific datasets to understand the genetic and biological drivers of disease.

- Pseudonymized data
- Multi-omics approach
- Harmonized phenotypes
- Longitudinal data, curated by disease specialists
- Homogeneous populations
- Matched controls

Therapeutic Areas

- Liver Disease
- Cardiovascular
- Neurology & Pain
- Diabetes & Complications
- Respiratory
- Immunology & Rheumatology
- Dermatology
- Ophthalmology
- Oncology

Looking for a specific disease dataset? Ask us



Work together with
in-house experts



Leverage a suite of
genomic technologies



Partner with responsible
data stewards



Parkinson's Disease Drug Target and Biomarker Discovery



Currently there is no treatment for Parkinson's Disease, only drugs that address symptoms. We aim to gain a better understanding of the disease biology to alter the relentless progression of disability. By assembling a clinical omics dataset of several thousand participants, which includes Whole Genome Sequence (WGS), multi-omic and detailed, longitudinal clinical data, our goal is to discover low frequency, high impact genetic variant that may reveal druggable pathways for treatment or prevention of progression.

Disease Dataset



Parkinson's Disease Participants



3X Population Controls

Longitudinal Disease Characterization

Genomic Analysis

Whole Genome Sequencing
(incl. CNV and indels)

Multi-omic Analysis

(Source: brain tissue*)

- RNASeq
- DNA Methylation
- Metabolomics
- Proteomics

* Available only for a subset

Disease Features

- Motor symptoms
 - Resting tremor
 - Postural instability
 - Rigidity
 - Bradykinesia
- Non-motor symptoms
 - Sleep disturbance
 - Constipation
 - Dysphagia
- Cognitive and psychiatric features
- Levodopa specific symptoms
- Diagnostic history
 - Age of onset
 - Course of disease progression
 - Family history

Target & Biomarker Discovery

Unlock the deepest insights of this clinical omics dataset by leveraging our tools and in-house expertise

