

Accelerate Your MS Research with ACP's Unparalleled Biosamples and Data Ecosystem

Power your next breakthrough with high-quality biosamples linked to deep clinical, multi-omics, and patient data



Accelerated Cure Project for MS (ACP) delivers a world-class research ecosystem that accelerates studies, removes recruitment barriers, and synthesizes insights from hundreds of MS studies. Our platform combines high-quality biosamples, rich datasets, and the ability to engage directly with the MS community through iConquerMS, our people-powered research network.

The ACP Repository: Ready-to-Use Resources for MS Discovery

ACP's repository includes high-quality biosamples linked to one of the richest datasets in MS research—resources that would take years to build independently. What this means for your research:



Access high-quality, research-ready samples from diverse MS populations—available when you need them:

The repository includes DNA, RNA, CSF, serum, plasma, and cryopreserved PBMCs from 3,200+ participants, spanning people with MS (including CIS, transverse myelitis, and NMO), related demyelinating diseases, and healthy controls. All samples are well-characterized, quality-controlled, and collected to research-grade standards.



Access comprehensive patient histories without building cohorts from scratch.

Each sample is linked to detailed patient history, demographics, EDSS scores, MRI and CSF summaries, medication history, clinical exam findings, and more—giving you context that enriches every analysis.



Track disease progression over time to uncover patterns you can't see in cross-sectional studies.

Longitudinal data from 460+ participants provides insights into disease progression, and new data on stress, anxiety, and trauma as part of follow-up participation—enabling you to study MS as it evolves, not just at a single point in time.



Synthesize insights across 25 years of research—breaking down silos to accelerate discovery.

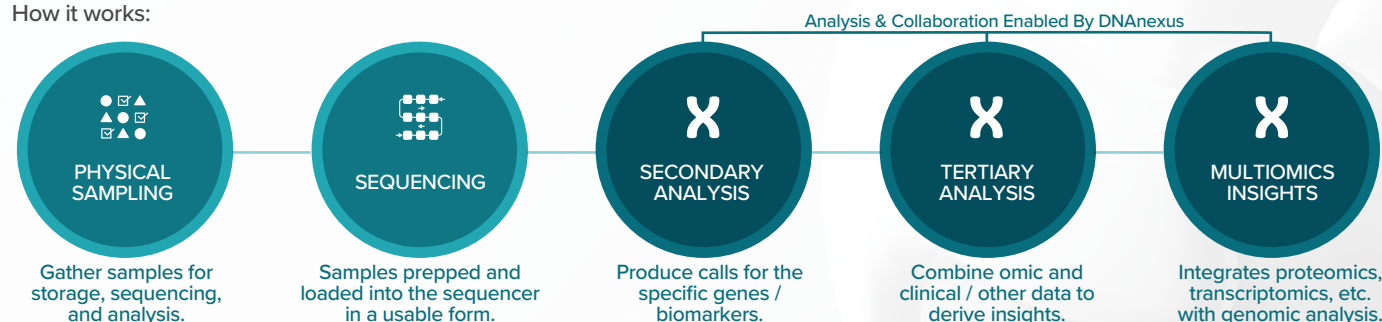
Researchers contribute their omics analysis to the repository, creating a continuously growing dataset currently drawn from more than 150 studies, including:

- Whole exome and SNP array data available for nearly all samples.
- qPCR, miRNA, and regulatory RNA data, with RNA-seq data for more than 2,000 samples.
- Proteomics, including O-Link data.
- Epigenomics and metabolomics, including Nanostring miRNA, methylation, and metabolomics data.
- Data on EBV/MSRVs, myelin/CNS markers, sNfL, autoantibodies, T-cell reactivity, immune markers, and more.

Powered by the DNAnexus Analysis Platform: Analyze large-scale, multi-modal datasets without the need for your own high-performance computing environment

Our data repository is backed by the DNAnexus platform, enabling cloud-based omics and collaboration tools for end-to-end research—from hypothesis generation to sample analysis.

How it works:



iConquerMS: Longitudinal Data & Prospective Collection

Our repository is enriched by iConquerMS, our engaged network of over 10,000 people affected by MS. This provides three powerful capabilities:

- **Longitudinal Patient-Reported Data (The REAL-MS Study)**
Skip recruitment bottlenecks and access real-world insights from an engaged MS community. With over **50,000 completed surveys**, The REAL-MS study provides deep, longitudinal insights into quality of life (Neuro-QoL), overall health (PROMIS), disability (PDDS), and more. This patient-reported data can be linked to our clinical and omics data to provide a complete, 360-degree view of MS as its actually lived.
- **Prospective Collection**
Need something we don't have? We can collect it for you. Recruit from the iConquerMS network to obtain new biosamples or capture custom data through new, targeted surveys.
- **Dedicated Specialty Cohorts**
In addition to the 10,000+ participants in iConquerMS, we can also provide specialty cohorts such as those focused on pediatric MS (iConquerMS Kids & Teens), the experiences of MS care partners (iConquerMS Caregivers), and more.

More Than a Biobank: We Are a Full Research Partner

From hypothesis generation to sample and data analysis, our infrastructure enables end-to-end research support. Our platform and expert team support every stage of your research:

- **Bi-directional Discovery:** Start with omics data to identify interesting leads, then request matching samples—or start with biosamples and validate findings using our returned data repository.
- **Prospective Sample Collection:** Recruit from the iConquerMS network to collect new samples via home kits or mobile phlebotomy.
- **Custom Data Capture:** Add study-specific surveys to REAL-MS or recruit new cohorts for your project.

Our experts are ready to assist with study design, cohort selection, grant support documentation, and more.

Ready to Power Your Next Discovery?

Contact our partnerships team to discuss your research needs and gain access to our resources at Partner@AcceleratedCure.org.