

# Comprehensive Multimodal Analysis of Neuroimmunological Diseases of the Central Nervous System

NCT00794352

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Status	RECRUITING
Sponsor	National Institute of Allergy and Infectious Diseases (NIAID)
Enrollment	2,400 participants

## Plain Language Summary

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This study is researching immune-related brain and nervous system diseases (like multiple sclerosis and related conditions) by collecting detailed health information, brain scans, and biological samples to better understand and diagnose these conditions.

**\*\*You may be eligible if...\*\***

- You have symptoms or brain scan findings consistent with an immune or inflammatory brain/nervous system disease
- You are at least 12 years old
- You are willing to share your medical records with the study team
- A parent or guardian can consent if you are a minor
- Healthy volunteers aged 18 and over are also welcome

**\*\*You may NOT be eligible if...\*\***

- You have a serious medical condition that would make study procedures too risky
- You have a pacemaker, metal implants, or other devices incompatible with MRI (for in-person participants)
- You are unwilling to allow collection and storage of biological samples
- For healthy volunteers: you have a neurological disease, inflammatory condition, history of substance abuse, are pregnant or breastfeeding, or are claustrophobic

Talk to your doctor to see if this trial is right for you.

## Key Eligibility Criteria

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### Inclusion (14)

- Presentation with a clinical syndrome consistent with immune-mediated CNS disorder and/or
- Neuroimaging evidence of inflammatory and/or demyelinating/dysmyelinating CNS disease
- At least 12 years old at the time of enrollment
- Willing to share medical records (including past MRI results) with the study team.
- Adults: Able to give informed consent on their own or via a Legally Authorized Representative (LAR) or Durable Power of Attorney (DPA); or Minors: parent or legal guardian able to give consent, with child willing to give assent, if reasonable based on their age and assent capacity

... and 9 more (see full listing online)

### Exclusion (12)

- Significant medical condition that would make participation in research part of evaluation impossible or risky
- For in-person sub-cohort: Medical contraindications for MRI (i.e. any non-organic implant or other device such as a cardiac pacemaker or infusion pump or other metallic implants, objects or body piercings that cannot be removed)
- Unwilling to consent for collection of biological samples or their cryopreservation
- Systemic inflammatory disorder, or inflammatory or non-inflammatory neurological diseases

- Previous or current history of alcohol and substance abuse

<https://clinicaltrials.gov/study/NCT00794352>

and 7 more (see full listing online)

DISCLAIMER: This document is for informational purposes only and does not constitute medical advice. Always consult your healthcare provider before enrolling in any clinical trial. Information may not be up to date — verify details at [ClinicalTrials.gov](https://ClinicalTrials.gov). Generated by [ClinicalTrialsFinder.org](https://ClinicalTrialsFinder.org).

## Locations (1 total)

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National Institutes of Health Clinical Center, Bethesda, Maryland, United States