

ADRC Participant Access Request

Access Request Goal

Goal - Request for letter of support

Grant Deadline - 2022-09-23

Principal Investigator

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No Co-PI listed in survey

Study and Theme Details

Hypothesis

Elevated IgE secondary to dysregulated Treg and TFR cells promotes the AD pathology under the aging and EAE conditions.

Specific Aims

Aim 1: Define the role of TFR cells in the AD-like pathogenesis and the mechanisms by which disrupted Treg and TFR cell suppressive activity promotes the AD-like pathology.

Aim 2: Define the role of IgE in the AD-like pathogenesis and the mechanisms by which increased IgE promotes the AD-like pathology.

This study is not related to Deep South disparities

Funding and IRB Details

Funding source - Not yet funded

IRB Contact - Not yet discussed project with IRB

Subject Sample Size and Profile

Sample size by cognitive ability

| | |
|--------------------|------------|
| Normal Controls | 30 |
| Preclinical AD | 30 |
| MCI | 30 |
| Mild Dementia | 30 |
| Moderate to Severe | 30 |
| Total N | 150 |

Additional inclusion/exclusion details

The requested sample size is estimated. All depends on the sample availability.

Racial minorities and other stratification

This study does NOT test hypothesis on racial disparities

Requested Resources

Existing data

| | |
|---------------------|--------------|
| Demographics | Required |
| Medical History | Required |
| Social Determinants | If available |
| Clinical Exam | Required |
| Cognitive Testing | Required |
| MRI | Required |
| Amyloid PET | If available |
| Tau PET | If available |
| CSF | If available |
| Blood Test | If available |
| AD Blood Biomarkers | If available |
| Genetics | If available |

Banked biospecimen

Blood

Serum

Other fluid

CSF (100 ul)

Cells

PBMC

Brain tissue

Parafin

Region (hippocampus)

Statistical support

Statistician has already been consulted - Charles Murchison