

# ADRC Participant Access Request

## Access Request Goal

Goal - Formal request for ADRC data

## Principal Investigator

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No Co-PI listed in survey

# Study and Theme Details

## Hypothesis

1. Resting state fMRI derived brain entropy decreases in ADRD and is correlated with cognitive impairment.
2. Brain entropy is correlated with tauopathy.

## Specific Aims

1. Compare brain entropy between AD/MCI and controls.
2. study the associations between brain entropy and AD pathology measured by CSF/plasma biomarkers and brain PET data.

## Study related to Deep South Disparities

We will specifically compare entropy difference between people with disparity background and those without. We will study the socio-economic status effects too.

# Funding and IRB Details

Funding source - Already funded

Entity - NIH funded grant/application

Details - NIA R01AG070227

IRB Contact - Not yet discussed project with IRB

# Subject Sample Size and Profile

## Sample size by cognitive ability

Normal Controls	all available data
Preclinical AD	all available data
MCI	all available data
Mild Dementia	all available data
Moderate to Severe	all available data

Additional inclusion/exclusion details

no

## 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	Required
Clinical Exam	Required
Cognitive Testing	Required
MRI Values	Required
Amyloid PET Values	Required
Tau PET Values	Required
Raw MRI/PET Image Files	Required
CSF	Required
Blood Test	Required
AD Blood Biomarkers	Required
Genetics	Required

## Additional data comments

no

## Statistical support

Would like to discuss statistics with the ADRC