

# ADRC Participant Access Request

## Access Request Goal

Goal - Formal request for ADRC data

## Principal Investigator

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Title      Professor

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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