

ADRC Participant Access Request

Access Request Goal

Goal - Formal request for ADRC data

Principal Investigator

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| Name | Mubarick Saeed |
| Title | M.Sc. |
| Institution | University of Alabama at Birmingham |
| Email | msaeed2@uab.edu (mailto:msaeed2@uab.edu) |
| Phone | (659) 202-9664 |

Co-PI

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| Name | Del Bene Victor |
| Title | PhD |
| Institution | University of Alabama at Birmingham |
| Email | victordelbene@uabmc.edu (mailto:victordelbene@uabmc.edu) |
| Phone | (205) 934-2334 |

Study and Theme Details

Hypothesis

There are racial and sex differences in the relationship between allostatic load (AL) and cognitive functioning.

Specific Aims

Aims of the Proposed Study

- Examine the relationship between AL and cognitive functioning.
- Explore racial and sex differences in the AL index.
- Investigate the moderating effects of race and sex on the relationship between AL and cognitive functioning.

This study is not related to Deep South disparities

Funding and IRB Details

Funding source - Not yet funded

IRB Contact - IRB contacted for discussion / pending approval

IRB Protocol # - IRB-300013105

Subject Sample Size and Profile

Sample size by cognitive ability

| | |
|--------------------|---------------------|
| Normal Controls | maximum sample size |
| Preclinical AD | maximum sample size |
| MCI | maximum sample size |
| Mild Dementia | maximum sample size |
| Moderate to Severe | maximum sample size |

Additional inclusion/exclusion details

NA

Racial minorities and other stratification

This study tests hypothesis on B/AA disparities or other race issues

Additional stratification details

The study will also examine the differences in the level of AL index and the strength of the association between AL and cognition by sex.

Requested Resources

Existing data

| | |
|-------------------------|--------------|
| Demographics | Required |
| Medical History | If available |
| Social Determinants | Required |
| Clinical Exam | Not needed |
| Cognitive Testing | Required |
| MRI Values | Not needed |
| Amyloid PET Values | Not needed |
| Tau PET Values | Not needed |
| Raw MRI/PET Image Files | Not needed |
| CSF | Not needed |
| Blood Test | Required |
| AD Blood Biomarkers | Not needed |
| Genetics | Not needed |

Additional data comments

Required data on biomarkers include Vitals (pulse, heart rate variability, systolic and diastolic BP

Lipid panel (Cholesterol, HDL, LDL, triglycerides), Renal function (Creatinine, BUN, GFR calc), Albumin, HbA1c, Fasting glucose, Fasting insulin, and Body composition (BMI, visceral fat, and % body fat).

Data on the following specific cognitive assessments are required Craft Story 21, Benson Complex Figure Copy/Recall, Forward/Backward Number Span, Trails A & B, Multilingual Naming Test (MINT), Category Fluency, and Phonemic Fluency.

Any data on related biomarker or cognitive assessment not included in the above list can be added if available.

Statistical support

Statistician has already been consulted - Dr. Charles Murchison