The success of finding new treatments depends on having enough volunteers like you to participate. To learn how you or a loved one can take part in any of these studies, please visit our website at KUAlzheimer.org or call our mainline at 913-588-0555 option 1 for more information.

**Innovation and Discovery Studies**

**KU Alzheimer’s Disease Center Clinical Cohort**
A National Institute of Health (NIH) grant funded study to develop and maintain a well characterized group of individual to support further research on memory and aging.

Type of Study: Observational (no treatment)
Who: Individuals with memory loss of any age and individuals without memory loss 65 and older
Procedures: Clinical memory assessment, pen and paper test, blood draw
Duration: up to 3 visits annually
Compensation: No

**Relationship of Energetics and Cognitive Trajectory (REACT)**
A study to characterize the relationship between metabolic hormone secretion, energy production, and memory.

Type of Study: Observational (no treatment)
Who: Clinical Cohort participants with and without memory loss, age 60 and older
Procedures: Mixed meal tolerance test, blood draws, MRI
Duration: 2 visits
Compensation: Yes

**Alzheimer’s Disease Neuroimaging Initiative 3 (ADNI 3)**
A public/private collaboration between academia and industry to study biomarkers and progression of Alzheimer’s disease.

Type of Study: Observational (no treatment)
Who: Individuals with normal cognition ages 65-90 and individuals with Mild Cognitive Impairment or mild Alzheimer’s disease ages 55-90
Procedures: Participants will undergo longitudinal clinical and cognitive assessments, computerized cognitive batteries, biomarker and genetic tests, PET (FDG, amyloid and tau) and MRI scans and cerebral spinal fluid (CSF) collection
Duration: Up to five years, with annual visits
Compensation: Yes
**Prevention Studies**

**Investigating Gains in Neurocognition in an Intervention Trial of Exercise (IGNITE)**
A study to explore the idea that physical activity may help maintain and improve brain health in older adults.

Type of Study: Treadmill walking or stretching and toning exercise at a local YMCA
Who: Individuals 65-80 who are not exercising regularly
Procedures: physical function tests, body composition measurements, MRI & PET scans, pen and paper tests, questionnaires, blood draws
Duration: 12 months of intervention, with about 4 visits a week
Compensation: Yes –YMCA membership paid

**Nutrition Interventions for Cognitive Enhancement (NICE)**
A study designed to assess the effect of the Mediterranean versus a low-fat eating plan on brain health

Type of Study: Dietary intervention
Who: Individuals with normal cognition, age 65 and older, with a BMI between 20-40 kg/m²
Procedures: Follow either a Mediterranean or low-fat eating pattern for 1 year, cognitive testing, blood draw, food records, height and weight, waist circumference, questionnaires, and an optional MRI
Duration: 1 year following the assigned eating plan with 7 study visits and 9 nutrition/cooking classes
Compensation: Yes

**Impact of Statin Therapy on Muscle Mitochondrial Function and Aerobic Capacity (STATINS)**
A study to understand the relationship between statin therapy and muscle health, metabolism, and aerobic fitness, which are important factors for healthy aging and brain health.

Type of Study: 1-year statins intervention (chance of placebo)
Who: Individuals 35-65 with normal cognition who are at an increased risk for cardiovascular disease.
Procedures: blood draws, muscle biopsies, fitness tests, body composition scans, glucose tolerance test, pain assessments, physical function assessments.
Duration: 1 year, 12 visits total
Compensation: Yes

**Sleep Intervention to Enhance Cognitive Status & Reduce Beta Amyloid (SIESTA)**
A study to explore whether cognitive behavioral therapy for insomnia improves cognitive function in older adults and reduces the rate of beta amyloid deposition.

Type of Study: Behavioral intervention (Cognitive Behavioral Therapy for Insomnia)
Who: Individuals age 60-85 with insomnia who are cognitively normal
Procedures: 3 overnight polysomnography visits, 3 cognitive assessment visits, 6 intervention sessions, monthly phone call for 1 year, 2 optional PET/MRI scans
Duration: 15 months (6-week active intervention)
Compensation: Yes
**Treatment Studies**

### S-Eqaul in Alzheimer's disease 2 (SEAD2)
A study to test if S-Eqaul, a compound that acts like estrogen in the body, can improve a particular energy metabolism deficit that is found in persons with Alzheimer's disease (AD)

**Type of Study:** Investigational medicine (on placebo for half of duration and investigational medication the other half)
**Who:** Individuals with Alzheimer's disease (APOE4 non-carriers)
**Procedures:** Genetic counseling, physical and neurological exams, blood draws, pen and paper thinking tests, vital signs
**Duration:** 4 months, 4 visits & 1 phone call
**Compensation:** Yes

### Phase 2 Study to Assess the Safety, Tolerability, and Target Engagement of AMX0035, a Fixed Combination of Sodium Phenylbutyrate and Tauroursodeoxycholic Acid for the Treatment of Alzheimer's Disease (PEGASUS)
A study to evaluate the safety and effectiveness of an investigational medicine (AMX0035) in individuals with mild cognitive impairment due to dementia due to probable Alzheimer’s disease

**Type of Study:** Investigational medicine (chance of placebo)
**Who:** Individuals with Mild Cognitive Impairment / Alzheimer's disease, ages 55-89
**Procedures:** MRI’s, Lumbar Punctures, pen and paper tests, questionnaires, blood draws, physical exams
**Duration:** approximately 8 months (6 months on study drug), about six study visits and two phone calls
**Compensation:** Yes

### Randomized Controlled Pilot Trial of Dapagliflozin in Alzheimer's Disease (DAPA)
Study to investigate the effect of dapagliflozin in participants with probable AD. This study is evaluating the effects of dapagliflozin on n-Acetyl-Aspartate (NAA) levels, blood glucose and insulin levels, mitochondrial function, and cognitive function in people with AD.

**Type of Study:** Investigational drug (chance of placebo)
**Who:** Individuals with AD ages 50-85
**Procedures:** Blood draws, PET, MRS (similar to MRI), pen and paper tests, vital signs, DEXA scan, Resting Metabolic Rate, Glucose Tolerance Test
**Duration:** 14 weeks, about 7 visits
**Compensation:** Yes
Treatment Studies continued...

A randomized Pivotal Study of Renew NCP-5 for the Treatment of Mild Cognitive Impairment due to Alzheimer’s Disease of Mild Dementia of the Alzheimer’s type (ECP)
A study to test the effectiveness of ECP therapy for patients with memory problems from mild cognitive impairment or Alzheimer’s Disease

Type of Study: ECP compared to sham therapy
Who: Individuals with Alzheimer’s Disease or Mild Cognitive Impairment (55-85)
Procedures: ECP therapy, Physical exam, pen and paper, questionnaires, blood draws, vital signs, MRI, ECG, and non-invasive blood flow analysis
Duration: 12 months (6 months treatment with 2-5 visits per week; 6 months follow up with 1 phone call and 1 visit)
Compensation: Yes

Therapeutic Diets in Alzheimer’s Disease (TDAD)
A study to determine the effect of a ketogenic diet (KD) on cognition and function in Alzheimer’s Disease and to define KD physiological effects and mechanisms of action.

Type: Diet intervention
Who: Individuals with very mild to mild Alzheimer’s Disease and a study partner
Procedures: Physical exam, blood draws, questionnaires, cognitive testing, MRI, urine testing
Duration: 3 months of diet intervention and one-month follow-up phone call with up to 7 visits to the CTSU and Hoglund Imaging Center on main campus
Compensation: Yes

The mission of the KU Alzheimer’s Disease Center is to improve the lives of patients and families with Alzheimer’s disease by eliminating the disease through research into its treatment and prevention.

JOIN OUR TEAM – MAKE AN IMPACT – BECOME A RESEARCH HERO TODAY!