



TARCC 2025 Scientific Symposium – Advances in Alzheimer's Disease Science, Research, and Care

Thursday, January 23, 2025

8:00 am – 5:00 pm

AT&T Executive Education and Conference Center at UT Austin

1900 University Avenue

Austin, Texas 78705

<http://www.txalzresearch.org/research/symposia/>

Agenda

Thursday, January 23, 2025

8:00 am Welcome, State of the TARCC, and Symposium Introduction
Munro Cullum, PhD (UT Southwestern) TARCC Scientific Director- Steering
Committee Chair

[Amphitheater 204 \(Level M2\)](#)

[Facebook Live](#)

[YouTube Live](#)

8:20 am Data Blitz Session 1 from TARCC Scientists
Moderated by Rodrigo Morales, PhD (UT Health Houston) Vice Chair-TARCC
Steering Committee

[Amphitheater 204 \(Level M2\)](#)

[Facebook Live](#)

[YouTube Live](#)

1. *Association of Baseline Blood-Based AD biomarkers with MRI AD-Signatures in a Mexican-American Population-Based Cohort*

Shana Garza, BS (UT Health Rio Grande Valley)

2. *Identification of gene expression pathways conferring resilience or susceptibility to AD progression*

Chia-Hsuan Fu, PhD (Baylor College of Medicine)

3. *Development of the COPE-ING Measure: Individualized Needs and Goals Assessment for Dementia Caregivers*

Alyssa Aguirre, LCSW-S (UT Austin)

4. *Computational Models Using Fitness Trackers for Prediction of Mild Cognitive Impairment Status*

Assaf Gottlieb, PhD (UT Health Houston)

5. *Data privacy concerns of older adults participating in a digital monitoring study and response to an educational intervention*

Rachel Mis, PhD (UT Austin)

6. *Brain Health Coaching to Address Risk Factors for Dementia*

Sarah Ross, DO (UNT Health Science Center)

7. *Reserve and variability markers of cognitive health*

Jenna Yentes, PhD (Texas A&M University Health Science Center)

8. *Characterization and Comparison of Atrophy and Hypometabolism Patterns in Alzheimer's Disease*

Annie Dang, MS (UT Health San Antonio)

9:30 am BREAK

- 10:00 am Data Blitz Session 2 from TARCC Scientists
Moderated by Rodrigo Morales, PhD (UT Health Houston)
[Amphitheater 204 \(Level M2\)](#)
[Facebook Live](#)
[YouTube Live](#)
9. *Interventions to promote communication and quality of life in primary progressive aphasia*
Maya Henry, PhD (UT Austin)
10. *Addressing neuropathic pain in Alzheimer's disease with Comorbid HIV*
Khalid Benamar, PhD (UT Health Rio Grande Valley)
11. *Evaluating a Two-Step Cognitive Screening Process Using the Brief Dementia Screening Indicator and Cognitive Screening Tests*
Hanna Hausman, PhD (UT Health San Antonio)
12. *Harnessing norepinephrine to reduce epileptiform activity in AD*
Manuel Silva-Perez, PhD (Baylor College of Medicine)
13. *Acquiring Real World Data in Lewy Body Disease*
Sarah Horn, MD (UT Health San Antonio)
14. *Shift Work Schedules Alter Immune Cell Regulation and Accelerate Cognitive Impairment during Aging*
Karienn de Souza, PhD (Texas A&M University Health Science Center)
15. *Regional Sialylation Patterns in Cerebral Amyloid Angiopathy*
Caitlyn Fastenau, BS (UT Health San Antonio)
16. *Multi-Cohort Association of Alcohol Use Disorder with Cognitive Impairment & Alzheimer's Disease*
Mohammad Housini, MS (UNT Health Science Center)
17. *Cellular basis of network abnormalities in Alzheimer's disease*
Keran Ma, PhD (UT Health Houston)
- 11:15 am BREAK
- 12:00 pm Keynote Address:
Sponsored by UT Austin Oskar Fischer Lecture Series: *The Golden Age of Neuroscience*
Walter J. Koroshetz, MD (Director of the National Institute of Neurological Disorders and Stroke)
[Zlotnik Family Ballroom \(Level M1\)](#)
[Facebook Live](#)
[YouTube Live](#)
- 1:30 pm Poster Session
[Grand Ballroom \(Level M3\)](#)
- 3:00 pm TARCC Lecture: *Measuring Daily Activities in the 21st Century and Beyond*
Jared Benge, PhD (UT Austin)
[Amphitheater 204 \(Level M2\)](#)
[Facebook Live](#)
[YouTube Live](#)

- 3:40 pm TARCC Lecture: *Promoting cognitive resilience as a novel therapeutic concept for AD and related dementia*
Agenor Limon, PhD (UT Medical Branch at Galveston)
[Amphitheater 204 \(Level M2\)](#)
[Facebook Live](#)
[YouTube Live](#)
- 4:20 pm Invited Address: *Leveraging precision medicine, AI, and digital health to prevent Alzheimer's disease: Is the future now or near?*
Stephen Waring, PhD (Essentia Institute of Rural Health)
[Amphitheater 204 \(Level M2\)](#)
[Facebook Live](#)
[YouTube Live](#)
- 5:00 pm Poster Winner Announcements and Closing Statements
[Amphitheater 204 \(Level M2\)](#)
[Facebook Live](#)
[YouTube Live](#)

Scientific Posters

Poster Theme Group A1. Development of New Models and Analysis Methods

Poster # 1: NANOSCALE STRUCTURAL CHARACTERIZATION OF AMYLOID BETA 1-42 OLIGOMERS AND FIBRILS GROWN IN THE PRESENCE OF FATTY ACIDS

Presenting author: Dmitry Kurouski (TAMU)

Poster # 2: IMPACT OF CIRCADIAN RHYTHM DYSREGULATION ON THE BRAIN-GUT-IMMUNE AXIS.

Presenting author: Emily Iglesias BS (TAMU)

Poster # 3: SHIFT WORK SCHEDULES ALTER IMMUNE CELL REGULATION AND ACCELERATE COGNITIVE IMPAIRMENT DURING AGING

Presenting author: Jocelin Reyes B.S (TAMU)

Poster # 4: UTILIZING ATN PLASMA BIOMARKERS AND MACHINE LEARNING MODELS TO PREDICT EARLY ALZHEIMER'S DISEASE AMONG HABS-HD COHORT

Presenting author: Stella Anagnos, BS (UNTHSC)

Poster # 5: THE MECHANISM BY WHICH THE NOVEL GENETIC RISK FACTOR SCULLY/HSD17 β 10 CONTRIBUTES TO ADRD

Presenting author: Kyung-An Han (UTEP)

Poster # 6: DETECTION OF TAU AGGREGATES IN ALZHEIMER'S PATIENTS BY SEED AMPLIFICATION ASSAY AND ITS APPLICATION FOR IDENTIFICATION OF TAU SEEDING INHIBITORS

Presenting author: Haley Evans, B.S. (UTH Houston)

Poster # 7: PHENOTYPIC ANALYSIS OF PLC γ 2 VARIANTS WITHIN NOVEL LATE-ONSET ALZHEIMER'S DISEASE MOUSE MODEL

Presenting author: Juliet Garcia Rogers, BS (UTH San Antonio)

Poster # 8: NOVEL TDP-43 ALS MODEL DRIVES MOTOR DYSFUNCTION AND PATHOLOGY IN MICE

Presenting author: Matthew Dopler, PhD (UTH San Antonio)

Poster # 9: P2RY12 AS A REGULATOR OF MICROGLIAL PHENOTYPES AND FUNCTION IN NEURODEGENERATION

Presenting author: Teniade Adetona, BS (UTH San Antonio)

Poster # 10: SCOPIOUS BRAIN WAVES IN RAT MODELS OF ALZHEIMER'S DISEASE

Presenting author: Nastaran Lotfi, PhD (UTHealth Houston)

Poster Theme Group A2. Genetics

Poster # 11: TOP ALZHEIMER'S DISEASE RISK ALLELE FREQUENCIES IN HABS-HD AFRICAN AMERICANS VS NON-HISPANIC WHITE AMERICANS

Presenting author: Reem Ayoub OMS-II (TCOM - UNTHSC)

Poster # 12: ANALYSIS OF ACE2 SNPS AS EPISTATIC RISK FACTORS FOR AD OUTCOMES

Presenting author: Amanda Tucker, BS (UNTHSC)

Poster # 13: DETERMINING THE IMPACT OF TOMM40 SINGLE NUCLEOTIDE POLYMORPHISMS ON METABOLIC SYNDROME AND WHITE MATTER HYPERINTENSITY VOLUME IN AFRICAN AMERICANS.

Presenting author: Christopher Purvis BS (UNTHSC)

Poster # 14: CORRELATION BETWEEN DNA METHYLATION IN ALZHEIMER'S DISEASE AND DEPRESSION-RELATED GENES AND GERIATRIC DEPRESSION SCALE SCORES AMONG HISPANIC TARCC PARTICIPANTS

Presenting author: Damariza Barraza, MS (UNTHSC)

Poster # 15: INVESTIGATING GENETIC RELATIONSHIP BETWEEN CANCER AND ALZHEIMER'S DISEASE

Presenting author: Dipti Debnath, M.Pharm (UNTHSC)

Poster # 16: HISPANIC ANCESTRY AS A MODIFIER OF NEUROINFLAMMATORY GENE EXPRESSION IN SINGLE AND MIXED ETIOLOGY DEMENTIA

Presenting author: Elizabeth Ochoa Ph.D. (UTH San Antonio)

Poster # 17: THE IDENTIFICATION OF A DISTINCT ASTROCYTE SUBTYPE THAT DIMINISHES IN ALZHEIMER'S DISEASE

Presenting author: Haichao Wei PhD (UTHealth Houston)

**Poster # 18: APOE- RELEVANT TAU OLIGOMER POLYMORPHS
DIFFERENTIALLY IMPAIR SYNAPTIC FUNCTIONING**

Presenting author: Naomi Moreno, BS (UTMB)

**Poster # 19: GENOTYPE-BY-ENVIRONMENT INTERACTION INFLUENCING
WHITE MATTER HYPERINTENSITY: THE ROLE OF EDUCATION AND SEX**

Presenting author: Renee Hernandez, BS (UTRGV)

Poster Theme Group A3. Human Neuropathology

**Poster # 20: EVALUATING DIGITAL PATHOLOGY SOFTWARE:
PERFORMANCE COMPARISON BETWEEN QUPATH AND HALO IN TAU
PATHOLOGY ASSESSMENT**

Presenting author: Angelique D. Gonzalez, BS (UTH San Antonio)

**Poster # 21: REGIONAL SIALYLATION PATTERNS IN CEREBRAL AMYLOID
ANGIOPATHY**

Presenting author: Caitlyn Fastenau, BS (UTH San Antonio)

**Poster # 22: THE NUN STUDY: INSIGHTS FROM THIRTY YEARS OF AGING
AND DEMENTIA RESEARCH.**

Presenting author: Kyra M. Clarke, BS (UTH San Antonio)

**Poster # 23: UNDERSTANDING THE FORMATION OF HETEROMERIC
AMYLOIDS BETWEEN TAU AND MUSASHI PROTEINS IN ALZHEIMER'S
DISEASE**

Presenting author: Abbigael Aday, BS (UTMB)

**Poster # 24: INVESTIGATING THE EFFECTS OF HUMAN BRAIN DERIVED TAU
OLIGOMERS ON NEURAL STEM CELL DIFFERENTIATION**

Presenting author: Adam Trupp BS (UTMB)

**Poster # 25: EXPLORING THE ROLE OF NEURAL STEM CELL EXOSOMES IN
MODULATING MICROGLIAL ACTIVATION IN ALZHEIMER'S DISEASE**

Presenting author: Madison Kidd (UTMB)

**Poster # 26: AMYLOID B AND TAU OLIGOMERS DISRUPT BLOOD-BRAIN
BARRIER IN A HUMAN BASED IN-VITRO MICROFLUIDIC NEUROVASCULAR
UNIT MODEL**

Presenting author: Zahra Kolahchi, MD (UTMB)

Poster Theme Group A4. Molecular and Cell Biology

**Poster # 27: NEUROPROTECTIVE EFFECTS OF TRANSITION METAL
DICHALCOGENIDE NANOFLOWERS IN NEURODEGENERATIVE DISEASE**

Presenting author: Harris Brown (TAMU)

**Poster # 28: KCNIP1 AT THE CONVERGENCE OF NUTRITIONAL DEFICIENCY,
ION CHANNEL DYSFUNCTION, AND ALZHEIMER'S DISEASE**

Presenting author: MS, Nishtha Khanna (Texas Tech HSC)

Poster # 29: DIURNAL DIFFERENCES IN IMMUNE CELL TRAFFICKING THROUGH THE CENTRAL NERVOUS SYSTEM IN A 3XTG MOUSE MODEL OF ALZHEIMER'S DISEASE

Presenting author: Andrew Roarke Hynes, BS (UT Austin)

Poster # 30: TIME-RESTRICTED FEEDING AS A CIRCADIAN INTERVENTION AMELIORATES FEMALE-SPECIFIC COGNITIVE IMPAIRMENTS IN 3XTG-AD MICE

Presenting author: Brandy Routh, BS (UT Austin)

Poster # 31: UNDERSTANDING THE ROLE OF MICROGLIAL PPARB IN ALZHEIMER'S DISEASE

Presenting author: Abhijeet A Patil, MS (UTH Houston)

Poster # 32: CHARACTERIZATION OF CHI3L1, A BIOMARKER FOR ALZHEIMER'S DISEASE

Presenting author: Qiang Wang, PhD (UTH Houston)

Poster # 33: BIOGENESIS OF SOLUBLE AXL, A BIOMARKER FOR ALZHEIMER'S DISEASE

Presenting author: Sanming Li (UTH Houston)

Poster # 34: THE G-QUADRUPLEX HELICASE DHX36 REGULATES TRANSCRIPTION IN NEURONS

Presenting author: Vijay Kumar M J, PhD (UTH Houston)

Poster # 35: MODULATION OF NEUROTOXIC REACTIVE ASTROGLIOSIS BY LRP1

Presenting author: Meng Wang, BS (UTH San Antonio)

Poster # 36: EFFECTS OF CALCIUM ON AUTOPHAGY IN ALZHEIMER'S DISEASE

Presenting author: Rachael Cundey, BS (UTH San Antonio)

Poster # 37: NANO GOLD ACTS AS A KINETIC STABILIZER TO PREVENT LOSS OF FUNCTION OF UNDRUGGABLE TAU RELEVANT TO ALZHEIMER

Presenting author: Sanjib Bhattacharyya, PhD (UTHealth Houston)

Poster # 38: UNRAVELING THE ROLE OF CHITOTRIOSIDASE (CHIT1) IN ALZHEIMER'S DISEASE

Presenting author: Swati Mohapatra, PhD (UTHealth Houston)

Poster # 39: OSTEOPONTIN SIGNALING IN CNS FIBROBLASTS INDUCES PERIVASCULAR SPACE REMODELING LEADING TO CEREBRAL AMYLOID ANGIOPATHY

Presenting author: Vasilias E. Kyriakopoulos, MS (UTHealth Houston)

Poster # 40: INVESTIGATING TDP-43 STRAIN VARIABILITY: IMPLICATIONS FOR TAU AGGREGATION AND NEUROTOXICITY

Presenting author: Alessia Sciortino, PhD (UTMB)

Poster # 41: NON-TOXIC TAU OLIGOMER POLYMORPH ISOLATED FROM NON-DEMENTED INDIVIDUALS WITH ALZHEIMER'S NEUROPATHOLOGY BRAINS.

Presenting author: Anna Fracassi PhD (UTMB)

Poster # 42: INTRINSIC DISORDER IN P53 AND ITS MUTANTS CAUSES AGGREGATION AND INACTIVATION OF DNA REPAIR

Presenting author: David Lynch PhD (UTMB)

Poster # 43: BRAIN-DERIVED TAU OLIGOMERS FROM AD, DLB, AND PSP INDUCE SENESCENCE IN MOUSE PRIMARY ASTROCYTE CELLS

Presenting author: Fadhl Al Shaebi (UTMB)

Poster # 44: LOW-FREQUENCY ULTRASOUND THERAPY ALLEVIATES NEUROPATHOLOGY AND NEUROINFLAMMATION IN A TRANSGENIC MOUSE MODEL OF ALZHEIMER'S DISEASE NEUROPATHOLOGY

Presenting author: Kafayat Oyejide, BS (UTMB)

Poster # 45: INVESTIGATING THE EFFECTS OF TAU OLIGOMER EXPOSURE AND LOW-LEVEL LASER THERAPY ON HIPPOCAMPAL NEURAL STEM CELLS.

Presenting author: Kevin Johnson (UTMB)

Poster # 46: LOSS OF ATAXIN-2 FUNCTION, BY DELETION OR POLYQ EXPANSION, PROMOTE DNA DAMAGE, TAU PATHOLOGY, AND TDP-43 MISLOCALIZATION IN NEURONS

Presenting author: Sagar Gaikwad, PhD (UTMB)

Poster # 47: UNRAVELING SYNAPTIC TAUOPATHY IN ALZHEIMER'S DISEASE: THE ROLE OF AB AND SELECTIVE NEURONAL VULNERABILITY IN TAU SPREADING AND SYNAPTIC DYSFUNCTION

Presenting author: Shrinath Kadamangudi (UTMB)

Poster # 48: CHROMATIN REMODELER BRG1 RECRUITS HUNTINGTIN TO REPAIR DNA DOUBLE-STRAND BREAKS IN NEURONS

Presenting author: Subrata Pradhan, PhD (UTMB)

Poster # 49: BRAIN-DERIVED TAU OLIGOMER POLYMORPHS: DISTINCT AGGREGATION AND STABILITY PROFILES AND DIFFERENTIAL BIOLOGICAL ACTIVITY

Presenting author: Suhyeorn Park PhD (UTMB)

Poster # 50: INVESTIGATING THE ROLE OF SMALL NON-CODING RNAS IN ALZHEIMER'S DISEASE USING HUMAN INDUCED PLURIPOTENT STEM CELLS -DERIVED CELLS

Presenting author: Xiaoyong Bao (UTMB)

Poster # 51: TARGETING AGGREGATION-PRONE REGIONS OF TAF15 IN FTD: TOWARD THERAPEUTIC INHIBITION

Presenting author: Katerina Konstantoulea, PhD (UTSW)

Poster Theme Group B1. Biomarkers (non-neuroimaging)

Poster # 52: HEART RATE RESERVE, AGE, AND SEX ARE PREDICTIVE OF BIOLOGICAL SIGNATURES ASSOCIATED WITH ALZHEIMER'S DISEASE IN MIDDLE-AGED AND OLDER ADULTS

Presenting author: Jack Manning, M.S.Ed. (TAMU)

Poster # 53: WALKING SPEED RATHER THAN CARDIORESPIRATORY RESERVE IS PREDICTIVE OF PLASMA PTAU IN A PILOT SAMPLE OF MIDDLE-AGED AND OLDER ADULTS

Presenting author: Jenna Yentes, PhD (TAMU)

Poster # 54: TOWARDS UNDERSTANDING THE METABOLIC SHIFTS IN THE BIOFLUIDS FOR ALZHEIMER'S PATIENTS

Presenting author: Narendra Kumar (Texas A&M UHSC)

Poster # 55: RELATIONSHIPS BETWEEN THYROID AND COGNITIVE FUNCTION AMONGST OLDER RURAL WEST TEXANS: A PROJECT FRONTIER STUDY

Presenting author: Brennon Henderson BA (Texas Tech HSC)

Poster # 56: V-SET AND IMMUNOGLOBULIN DOMAIN CONTAINING 4 AS A POTENTIAL PREDICTOR OF ALZHEIMER'S DISEASE AND ADVANCED AGING

Presenting author: Bowen Yang, BE (University of Houston)

Poster # 57: POPULATION-SPECIFIC EXTRACELLULAR VESICLE MICRORNA SIGNATURES IMPLICATED IN ALZHEIMER'S DISEASE

Presenting author: Kumudu Himali Subasinghe, MS (UNTHSC)

Poster # 58: ASSOCIATION BETWEEN INFLAMMATORY BLOOD BIOMARKERS AND CONVERSION TO ALL-CAUSE DEMENTIA IN A DIVERSE SAMPLE.

Presenting author: Juan Carlos Guerrero Garcia, M.D. (UTH San Antonio)

Poster # 59: CHARACTERIZING THE BIGGS BIOBANK: DEMOGRAPHICS, BIOSPECIMENS, AND BIOMARKERS IN A SOUTH TEXAS COHORT

Presenting author: Samantha Gates, BA (UTH San Antonio)

Poster # 60: PLASMA P-TAU T217 LEVELS CORRELATE WITH NEURITIC PLAQUE DENSITY

Presenting author: Tiffany Kautz, PhD (UTH San Antonio)

Poster # 61: SERUM METABOLOME PROFILING IN PATIENTS WITH MILD COGNITIVE IMPAIRMENT REVEALS SEX DIFFERENCES IN METABOLISM

Presenting author: Rocio Diaz Escarcega, PhD (UTHealth Houston)

Poster # 62: EXPLORING BIOMARKERS IN BACTERIAL AND VIRAL SEPSIS: INSIGHTS AND PARALLELS WITH ALZHEIMER'S DISEASE

Presenting author: Tatiana barichello (UTHealth Houston)

Poster # 63: BRAIN-DERIVED TAU OLIGOMERS IN PLASMA BRAIN-DERIVED EXTRACELLULAR VESICLES: A POTENTIAL PREDICTIVE BIOMARKER FOR ALZHEIMER'S DISEASE.

Presenting author: Michela Marcatti, PhD (UTMB)

Poster # 64: ALZHEIMER'S DISEASE BLOOD BIOMARKERS AND APOE GENOTYPE: PRODROMAL STAGING

Presenting author: Bilal Kahn, BS (UTSW)

Poster Theme Group B2. Neuroimaging

Poster # 65: CEREBELLO-CEREBRAL FUNCTIONAL CONNECTIVITY IN EARLY ALZHEIMER'S DISEASE

Presenting author: Chi-Ying (Roy) Lin, MD, MPH, FAAN (BCM)

Poster # 66: LINKING FUNCTIONAL CONNECTOMICS AND PROTEOMICS TO LEARNING AND MEMORY DEFICITS IN A MOUSE MODEL OF ALZHEIMER'S DISEASE

Presenting author: Elizabeth Hipskind, BS (BCM)

Poster # 67: MODELING STRUCTURAL AND FUNCTIONAL CONNECTOMICS WITH COGNITIVE DEFICITS AND SPATIAL TRANSCRIPTOMICS IN A MOUSE MODEL OF TAUOPATHY

Presenting author: Elizabeth Hipskind, BS (BCM)

Poster # 68: LEVERAGING MACHINE LEARNING AND FEATURE IMPORTANCE TECHNIQUES IN NEUROIMAGING TO IDENTIFY CRITICAL BRAIN REGIONS STRONGLY CORRELATED WITH ALZHEIMER'S DISEASE

Presenting author: Benjamin Black, BS (UNTHSC)

Poster # 69: AT[N] NEUROIMAGING OUTCOMES IN ALZHEIMER'S DISEASE: ANALYSIS OF MITOCHONDRIAL ANCESTRY IN A DIVERSE POPULATION

Presenting author: Jiya Ghei, BA (UNTHSC)

Poster # 70: NEURAL OSCILLATIONS, THETA-GAMMA COUPLING, HIPPOCAMPO-CORTICAL NETWORKS, DISCRETE PADÉ TRANSFORM (DPT), COGNITIVE NEUROSCIENCE, FREQUENCY MODULATION (FM) IN BRAIN RHYTHMS

Presenting author: Chandan Kumar Behera, PhD (UTHealth Houston)

Poster # 71: HIGHER ALPHA7 NICOTINIC ACETYLCHOLINE RECEPTOR AVAILABILITY IN THE BRAINS OF OLDER, COGNITIVELY NORMAL INDIVIDUALS

Presenting author: Alejandra N. Woolsey, B.S. (UTSW)

Poster Theme Group C1. Neuropsychiatry and Behavioral Neurology

Poster # 72: PILOT SCREENING FOR PRODROMAL SYNUCLEINOPATHIES IN POST-9/11 VETERANS WITH PROBABLE REM SLEEP BEHAVIOR DISORDER

Presenting author: Taryn White, BS; Dakota Broadway, MA (BCM)

Poster # 73: COGNITIVE COST OF LONG SLEEP DURATION AND DEPRESSION

Presenting author: Vanessa Young, MS (UTH San Antonio)

Poster # 74: EVALUATION OF THE NEUROLOGICAL EFFECT OF YOUNG CSF ADMINISTRATION IN AGED RATS SUBJECTED TO THE ISCHEMIC STROKE MODEL

Presenting author: Victória Linden de Rezende (UTHealth Houston)

Poster Theme Group C2. Neuropsychology

Poster # 75: ACCULTURATION MODERATES THE RELATIONSHIP BETWEEN STRESS APPRAISAL AND MEMORY: RESULTS FROM THE HEALTH AND AGING BRAIN STUDY-HEALTH DISPARITIES STUDY (HABS-HD)

Presenting author: Jordana Breton, BA (UT Austin)

Poster # 76: AGE-RELATED DIFFERENCES IN MOOD AND MOTIVATION IN A COMMUNITY-BASED SAMPLE OF HEALTHY YOUNGER AND OLDER ADULTS.

Presenting author: Anika Bhatia BS (UT Dell)

Poster # 77: DATA PRIVACY CONCERNS OF OLDER ADULTS PARTICIPATING IN A DIGITAL MONITORING STUDY AND RESPONSE TO AN EDUCATIONAL INTERVENTION

Presenting author: Rachel E. Mis, PhD (UT Dell)

Poster # 78: ENHANCING COGNITIVE FUNCTION IN PRIMARY PROGRESSIVE APHASIA: A STUDY OF HD-TDCS EFFECTS ON PRE-SMA AND LIFG

Presenting author: Paulina Devora, MS (UTD)

Poster # 79: EVALUATING A TWO-STEP COGNITIVE SCREENING PROCESS USING THE BRIEF DEMENTIA SCREENING INDICATOR AND COGNITIVE SCREENING TESTS

Presenting author: Hanna Hausman, PhD (UTH San Antonio)

Poster # 80: CORRELATION BETWEEN COGNITIVE IMPAIRMENT AND PAREIDOLIA IN OLDER ADULTS

Presenting author: Laureen Phelps, MS (UTH San Antonio)

Poster # 81: VARIATIONS IN COGNITIVE AND EVERYDAY FUNCTIONING ACROSS RACIAL/ETHNIC GROUPS WITH MILD COGNITIVE IMPAIRMENT

Presenting author: Alyssa Kaser, BA (UTSW)

Poster # 82: EXPLORING THE RELATIONSHIP BETWEEN TRAUMATIC BRAIN INJURY HISTORY AND COGNITIVE IMPAIRMENT IN A DIVERSE COMMUNITY-BASED SAMPLE

Presenting author: Diamond Lee, M.S (UTSW)

Poster # 83: MONTREAL COGNITIVE ASSESSMENT MEMORY SCORES AND ALZHEIMER'S DISEASE NEUROPATHOLOGICAL CHANGE

Presenting author: Oscar Kronenberger (UTSW)

Poster # 84: EVALUATION OF THE MONTREAL COGNITIVE ASSESSMENT MEMORY INDEX SCORE (MIS) FOR PREDICTING AMNESTIC MILD COGNITIVE IMPAIRMENT TO ALZHEIMER'S CLINICAL SYNDROME

Presenting author: Oscar Kronenberger (UTSW)

Poster # 85: DEMOGRAPHIC EFFECTS ON THE MONTREAL COGNITIVE ASSESSMENT IN A COMMUNITY-BASED SAMPLE

Presenting author: William Goette, PhD (UTSW)

Poster Theme Group D1. Dementia Care Research (nonpharmacological)

Poster # 86: PRECISION HEALTH FOR DEMENTIA: THE HOUSTON COHORT ENROLLED

Presenting author: Fatima I. Chavez, MPH (BCM)

Poster # 87: RISK PROFILES OF ALZHEIMER'S DISEASE AND RELATED DEMENTIAS CARE PARTNERS: A LATENT PROFILE ANALYSIS TO INFORM INTERVENTION

Presenting author: Matthew Lee Smith, PhD, MPH, CHES (TAMU)

Poster # 88: CAIDE DEMENTIA SCORE AND COGNITION ASSOCIATION IN DEMENTIA-FREE HISPANICS FROM THE HABS-HD COHORT

Presenting author: Abigail Mendoza, Medical Student (UNTHSC)

Poster # 89: DEVELOPMENT OF AN EDUCATIONAL SUPPORT GROUP PROGRAM FOR CAREPARTNERS OF HISPANIC AND LATINO INDIVIDUALS WITH LANGUAGE-PROMINENT DEMENTIA

Presenting author: Giselle Yoshimoto (UT Austin)

Poster # 90: A MITOCHONDRIAL BASED INTERVENTION FOR MILD COGNITIVE IMPAIRMENT (MCI) USING PHOTOBIO-MODULATION, METHYLENE BLUE, AND MEDIUM CHAIN TRIGLYCERIDES

Presenting author: Hunter Dutkiewicz, BS (UT Austin)

Poster # 91: EFFECTIVENESS OF CLOSED-LOOP THETA-BURST STIMULATION ON COGNITIVE CONTROL IN YOUNG ADULTS

Presenting author: Minsu Zhang, MS (UT Austin)

Poster # 92: ETHNORACIAL AND BILINGUAL DISPARITIES IN SPEECH-LANGUAGE INTERVENTION FOR PRIMARY PROGRESSIVE APHASIA

Presenting author: Rylee Manning, M.Sc., M.Phil. (UT Austin)

Poster # 93: EXPLORING NEUROLOGISTS' PERSPECTIVES: BARRIERS AND FACILITATORS IN IMPLEMENTING COGNITIVE CARE PLANNING

Presenting author: Shaoqing Ge, PhD, MPH, RN (UT Austin)

Poster # 94: A SCOPING REVIEW OF AURICULAR POINT ACUPRESSURE EFFECTS IN PERSONS WITH COGNITIVE IMPAIRMENT AND DEMENTIA

Presenting author: Bianca Shieu, PhD, RN (UTH San Antonio)

Poster # 95: CAREGIVER BURDEN IN ALZHEIMER'S DISEASE AND RELATED DEMENTIAS (ADRD) IN THE SOUTH TEXAS ADRC (STAC)

Presenting author: Natalia Monroy, BS (UTH San Antonio)

Poster # 96: PARTICIPANTS' PERSPECTIVES ABOUT THE EFFECTS OF PROBLEM-SOLVING TRAINING (PST) ON CAREGIVER BURDEN AND DEPRESSION AMONG ADRD CARE PARTNERS

Presenting author: Kristin Wilmoth, PhD (UTSW)

Poster # 97: ENGINEERING THERAPEUTICS BY DECODING FEATURES DRIVING AMYLOID ASSEMBLY IN ALZHEIMER'S DISEASE.

Presenting author: Nikolaos Louros, PhD (UTSW)

Poster # 98: NON-INVASIVE NEUROMODULATION USING TRANSCRANIAL PHOTOBIO-MODULATION TO ENHANCE COGNITIVE FUNCTION IN HEALTHY ADULTS: MEG/EEG EVIDENCE

Presenting author: Tyrell Pruitt, PhD (UTSW)

Poster Theme Group D2. Psychosocial Factors and Environmental Design

Poster # 99: PRELIMINARY EVALUATION OF CHRONIC STRESSORS IN HISPANIC ADULTS AT RISK FOR NEURODEGENERATIVE DISEASE

Presenting author: Valentina R. Garbarino, PhD (UTH San Antonio)

Poster # 100: IMPACTS OF IMAGEABILITY OF ARCHITECTURE ON BRAIN HEALTH: A SYSTEMATIC LITERATURE REVIEW

Presenting author: Cristian A. Maestre, BSArch (UTRGV)

Poster Theme Group E1. Dementia Care Practice (descriptive research)

Poster # 101: VIRTUAL CAREGIVER SUPPORT PROGRAM IS FEASIBLE AND ACCEPTABLE TO CAREGIVERS OF VETERANS WITH DEMENTIA DURING CARE TRANSITIONS

Presenting author: Molly Horstman, MD, MS (BCM)

Poster # 102: IMPLEMENTING A NEUROPLASTICITY CARE TOOL KIT WITH STAFF CARING FOR DEMENTIA PATIENTS WITH BPSD

Presenting author: Sandra Petersen, DNP, APRN, FNP/GNP-BC, PMHNP-BE, FAANP (UT Tyler)

Poster Theme Group F2. Nonhuman

Poster # 105: THE EFFECT OF TRAUMATIC BRAIN INJURY ON ALZHEIMER'S DISEASE PROGRESSION IN TGF344 RAT MODEL

Presenting author: Dr. Lubna Mahmoud (UTMB)

Poster # 106: PERINEURONAL NETS (PNN) IN NON-TRADITIONAL ANIMAL MODELS: RELEVANCE TO BRAIN HEALTH AND ALZHEIMER'S DISEASE AND RELATED DEMENTIAS

Presenting author: Esperanza Isabel Alaniz, MS (UTRGV)

Poster # 107: ALZHEIMER'S DISEASE AND HIV-1 COMORBIDITY

Presenting author: Jose Rios, BS (UTRGV)

Poster # 108: THE INFLUENCE OF AGE AND BIOLOGICAL SEX ON SHORT-TERM MEMORY IN THE SYRIAN HAMSTER (MESOCRICETUS AURATUS)

Presenting author: Laura Emma Garcia (UTRGV)

Poster # 109: DEVELOPING NOVEL THERAPEUTIC INHIBITOR PEPTIDES FOR ALZHEIMER AND RELATED DISEASES

Presenting author: Ayde Mendoza-Oliva, PhD (UTSW)

Poster Theme Group G1. Epidemiology

Poster # 110: HOUSEHOLD ENVIRONMENTS AND COGNITIVE DECLINE AMONG MIDDLE-AGED AND OLDER ADULTS IN CHINA: EXPLORING GENDER, AGE, AND RESIDENTIAL VARIATIONS

Presenting author: Xi Pan, Ph.D. (TXST)

Poster # 111: INTERACTION BETWEEN ALCOHOL USE AND APOE E4 AND ITS ASSOCIATION WITH FOUR COGNITIVE DOMAINS AMONG AMERICAN OLDER ADULTS FROM DIVERSE

Presenting author: Edna Patricia Mendoza, M.S. (UNTHSC)

Poster # 112: CAIDE DEMENTIA SCORE ASSOCIATION WITH MRI MEASURES OF NEURODEGENERATION IN HISPANICS FROM THE HABS-HD COHORT.

Presenting author: Joshua Manning, BS (UNTHSC)

Poster # 113: SUBCLINICAL KIDNEY IMAGING ABNORMALITIES ON MRI ARE ASSOCIATED WITH POORER COGNITIVE FUNCTIONING IN COMMUNITY-BASED RACIALLY/ETHNICALLY DIVERSE OLDER ADULTS

Presenting author: Emily Powell BS (UT Austin)

Poster # 114: ASSESSING FOR HEALTHCARE DISPARITIES IN HISPANIC DEMENTIA PATIENTS WHO PRESENT TO A NEUROCOGNITIVE CLINIC

Presenting author: Gabriela Cruz, BS (UT Houston)

Poster # 115: ASSOCIATION OF HEARING LOSS TO INCIDENT-ALL CAUSE DEMENTIA IN THE FRAMINGHAM HEART STUDY

Presenting author: Dr. Francis Kolo (DVM, PhD) (UTH San Antonio)

Poster # 116: CHARACTERIZATION OF GUT MICROBIAL COMPOSITION IN ALZHEIMER'S DISEASE.

Presenting author: Jessica Valdez Ponce, MS, MB(ASCP) (UTH San Antonio)

Poster # 117: ENHANCED COGNITIVE RESERVE IN THE RIO GRANDE VALLEY LATINO POPULATION: THE IMPACT OF HIGH FAMILISM AND HEALTHY LIFESTYLE CHOICES

Presenting author: Chun Xu (MD, MSc, PhD) (UTRGV)

Poster # 118: ENVIRONMENTAL POLLUTANTS AND COGNITIVE DECLINE: EXPLORING BIOCHEMICAL MARKERS IN OLDER ADULTS. PRELIMINARY REPORT

Presenting author: Juan Carlos Lopez-Alvarenga. M.D., D.Sc. (UTRGV)

Poster # 119: CULTIVATING AWARENESS: AN OVERVIEW OF THE SOUTH TEXAS RIO GRANDE VALLEY ALZHEIMER'S DISEASE RESEARCH CENTER

Presenting author: Tania Vargas (UTRGV-SOM)

Poster Theme Group G2. Health Services Research

Poster # 120: OFF-LABEL ANTIPSYCHOTIC USE AMONG PERSONS WITH ALZHEIMER'S DISEASE AND ALZHEIMER'S RELATED DEMENTIAS

Presenting author: Youngran Kim, PhD (UTHealth Houston)

Poster Theme Group G3. Prevention (nonpharmacological)

Poster # 121: SOCIAL-EMOTIONAL AND LIFESTYLE RISK FACTORS ASSOCIATED WITH SUBJECTIVE MEMORY PROBLEMS AMONG NON-HISPANIC BLACK AND HISPANIC MEN WITH CHRONIC CONDITIONS

Presenting author: Matthew Lee Smith, PhD, MPH, CHES (TAMU)

Poster # 122: RELATIONSHIPS BETWEEN VITAMIN B12 DEFICIENCY, GERIATRIC DEPRESSION, AND HISPANIC ETHNICITY: A PROJECT FRONTIER STUDY

Presenting author: Hamza Hashmi (Texas Tech HSC)

Poster # 123: EFFECTS OF TRANSCRANIAL INFRARED LASER STIMULATION ON BRAIN RHYTHMIC ELECTRICAL ACTIVITY AND COGNITIVE AGING

Presenting author: Jay Rose (UT Austin)

Poster # 124: ORAL HEALTH BEHAVIORS, HEALTHCARE UTILIZATION, AND ALZHEIMER'S DISEASE: A CASE-CONTROL STUDY

Presenting author: Zarna Lalwani, BDS (UT Houston)

Poster # 125: THE FEASIBILITY OF REMOTELY DELIVERED BLOOD FLOW RESTRICTION TRAINING IN CAREGIVERS OF ADULTS WITH ALZHEIMER DISEASE OR OTHER DEMENTIAS

Presenting author: Prof. Dr. Murat Karabulut, PhD (UTRGV)

Poster Theme Group H. Novel Statistical Methods

Poster # 126: MULTI-STUDY TRANSCRIPTOMIC ANALYSIS OF ALZHEIMER'S BRAIN TISSUE

Presenting author: Fernando Koiti Tsurukawa (Texas Tech HSC)

Poster # 127: CHARACTERIZATION AND COMPARISON OF ATROPHY AND HYPOMETABOLISM PATTERNS IN ALZHEIMER'S DISEASE

Presenting author: Annie Dang, MS (UTH San Antonio)

Poster # 128: PSYCHOMETRIC DETERMINATION OF BIOMARKER RESILIENCE

Presenting author: Donald R. Royall, MD (UTH San Antonio)

Poster # 129: PYTHON-BASED MACHINE LEARNING FOR THREE-DIMENSIONAL HUMAN BRAIN MODEL SEGMENTATION AND ANALYSIS

Presenting author: Morgan Mekale Smith, MS (UTH San Antonio)



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