













Aging Research at UTMB

Alan Landay, PhD

Vice President of Team Science Professor, Internal Medicine, Microbiology, and Immunology

UTMB Consortium Steering Committee Members



Alan Landay, PhD

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Department of Internal Medicine & Microbiology/Immunology



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Vice Chair for Quality Improvement
Associate Professor, John Sealy School of Medicine
Department of Internal Medicine



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Professor, School of Public & Population Health
Department of Population Health & Health Disparities



Melissa (Missy) Morrow, PhD

Director, Sealy Center on Aging

Professor, School of Health Professions

Department of Physical Therapy & Rehabilitation Sciences



Alberto Aparicio, PhD

Assistant Professor
School of Public & Population Health
Department of Bioethics & Health Humanities

Aging Enterprise at UTMB

Research



Population Health and Health Disparities



Muscle Biology



Rehabilitation Sciences



Neurodegeneration



Infectious Diseases and Immunology

Education and Training

Training Programs



MSTAR NIA T35



WHO/PAHO Collaborating Center



NIA T32 for Health of Older Minorities

Concentrations



Geriatric Track, Geriatric Medical Conference Series, and more

Clinical Care



Inpatient Care (e.g. acute care for elders unit, geriatrics consultations)



Ambulatory Clinics (e.g. primary care pavilion, victory lakes town center, focused memory care)



Nursing Home & Skilled Nursing (e.g. Meridian Nursing Home, The Heights)



Home Based Primary Care (e.g. in-home visits and assisted living facilities)

Community Engagement



Osher Lifelong Learning Institute (OLLI)



Quarterly Community Newsletter



Biweekly Caregiver Connection Group



Annual Lecture Series

Two NIA P30 Research Centers at UTMB

Claude D. Pepper Center for Older Americans Independence (OAIC)

MPIs: Melissa Morrow, PhD & James Goodwin, MD Funded since 2000, Refunded in 2025

15 current OAICs Nationwide

Establish centers of excellence in geriatrics research and research education to increase scientific knowledge leading to better ways to maintain and restore independence in older persons. SCOA funds \$200K in pilot projects per year to support aging research. SCOA provides administrative support for grant management

Resource Center for Minority Aging Research (RCMAR)

MPIs: Kyriakos Markides, PhD, UTMB, Fernando Riosmena, PhD, UTSA Associate Leader: Soham Al Snih, MD, PhD Funded since 2018

18 current RCMARs Nationwide

Support behavioral and social research on aging, health disparities in older adults, and Alzheimer's disease and Alzheimer's disease-related dementia's (AD/ADRD) through the development of research infrastructure and the mentorship of early career scientists

National Institute of Aging P30 Centers

Aging in Place -Instrumented

SenSights Application SOC2/ HIPPA Compliant

Smartwatch Integration for Continuous Health Params Update

Apartment

Supports UTMB spring & Legislative Priority - Legislative Priority -

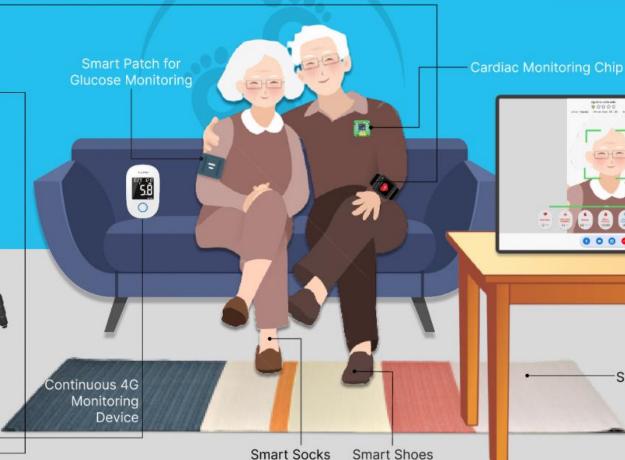
Design, elevelop, and evaluate assistive and smart-home technology to support healthy living for Slucose Monitor

Smart Scale for ME ISCESS Menitoring

SHP/SON 1st floor Construction to begin

5.8

Bluetooth Connected Devices for Continuous Update of Health Data



veyetals

13 RPM

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Other Health Params

122 Step Count 72 kg Weight/ BMI

> VitalsOnline App Vitals Monitoring and Video Call with Caregiver/

Sm

Physician

Smart Rug

Image Credit: Canva

Building a geroscience laboratory focused systems-level biomarkers

- Geroscience focuses on the basic biological processes underlying aging and how those process create the conditions for age-related disease
- Emerging opportunity with funding from Moody Foundation could fund an GLP-1 and aging study
- Developing a longitudinal cohort in Galveston called the Galveston Heart Study
 - 10,000 patients age ≥30
 - Goal is to connect clinical surveys with advanced biomarkers, machine learning, and community health programs

