UTSA Brain Health Consortium Presents

Fall 2025 Distinguished Public Lecture

Wearable Biosensing to Predict Imminent Aggressive Behavior in Psychiatric Inpatient Youths with Autism

Matthew Goodwin, PhD

Professor and Associate Chair of Research,
Dept. of Public Health and Health Sciences
Northeastern University

December 8th, 2025

Denman Ballroom
Student Union 2.01.28
1604 Campus
UT San Antonio

5:00p Reception
5:30p Lecture

Dr. Matthew S. Goodwin is a tenured Interdisciplinary Full Professor jointly appointed at Northeastern University's Bouvé College of Health Sciences and Khoury College of Computer Sciences. He serves as the Associate Chair of the Department of Health Sciences, is a founding faculty member of a new doctoral program in Personal Health Informatics, and directs the Computational Behavioral Science Laboratory.

Dr. Goodwin has 30 years of clinical and research experience working with children and adults on the autism spectrum. He specializes in developing and evaluating innovative behavioral assessment and intervention technologies, including video and audio capture, telemetric physiological monitors, accelerometry sensors, and digital video/facial recognition systems.

Dr. Goodwin will discuss how aggressive behavior is a common and challenging issue in individuals with autism, especially for those with limited verbal skills, and whether changes in peripheral physiology recorded by a wearable biosensor and machine learning can predict imminent aggressive behavior before it occurs in inpatient youths with autism.

Free Parking * Public Welcome

UTSA BHC