

Hopkins Day at Broadmead

Exploring Innovation in Aging Through Johns Hopkins AITC Pilots

Thursday, April 30th

2:00–3:00 PM

Lower Level, Broadmead Community Center

Join us for an interactive Hopkins Day at Broadmead, showcasing innovative aging research supported by the Johns Hopkins Artificial Intelligence and Technology Collaboratory for Aging Research (AITC).

This open-house style event invites you to walk around, engage directly with researchers, view demonstrations, and learn more about AI- and technology-enabled innovation pilots focused on aging, mobility, and early risk detection.

Featured Innovation Projects

AI-Powered Acoustic Health Monitoring

Researcher: Mounya Elhilali, PhD

Johns Hopkins Whiting School of Engineering

AI-enabled stethoscope technology capturing heart, lung, and joint sounds from multiple body locations to identify acoustic biomarkers associated with early frailty and age-related disease.

Energetics of Aging & Walking Efficiency

Researcher: Jennifer Schrack, PhD

Johns Hopkins Bloomberg School of Public Health

Research examining why walking becomes more energetically costly with age by integrating muscle metabolism, gait speed, physical activity patterns, and metabolic regulation to better understand mobility decline.

Smartphone-Based Gait Assessment Technology

Researcher: Evan Haas

Founder, CurveAssure (AITC-Supported Innovation)

An AI-powered, smartphone-based gait assessment tool designed to provide accessible, scalable identification of mobility risk and functional change.

Several participants from the AITC Research & Program Support will be on hand to greet residents:

Jackie Langdon – Senior Research Program Manager (Human Subjects Research)

Meredith Dobrosielski – Regulatory Specialist (IRB)

Jiye Park – Stakeholder Council Contact

Hosted in partnership with Broadmead and Johns Hopkins AITC

No registration required

Contact Ann Patterson for more information at 443-578-x8004 or apatterson@broadmead.org.