

Poster Session

Presenter	Innovation Name	Summary
Joshua Freedman, MSE / Yi-An Hsieh, MSE	Airalux Medical	Smart therapeutic spirometer with reminders and performance tracking to improve post-surgical breathing exercise adherence.
Amin Ramezani, PhD	BeatAI	AI system predicting dangerous heart arrhythmias hours before onset using continuous physiologic data.
Nakul Raykar, MD, MPH / Samir Seshadri, MSc	Blood DESERT Coalition	Walking blood bank system addressing rural blood shortages to prevent avoidable hemorrhage deaths.
Farhad Rikhtegar Nezami, PhD, MS, BS	CardioVision	Patient-specific AI digital twin platform to improve planning and outcomes in TAVR procedures.
Brian Lin, PhD	Cellsor	Living olfactory biosensor digitizes smell to enable real-time, noninvasive detection of disease, pollutants, and chemical threats.
Jermaine Hartsfield, BS, MSODL / Acekem Evans, CEO	CIVA	Digital platform connecting researchers and communities to sustain trust and accelerate research translation.
Dohyun Park, PhD	Clarius	Membrane-less microfluidic device improving viral vector manufacturing yield and scalability.
Rachel MacNeill, DPT	Correct'em	Silicone hemorrhoid treatment combining splinting, medication delivery, and cryotherapy.
Mary Weatherbee, MS, MSW	Dirigo Resiliency Training (DiRT)	Peer-support resiliency training program reducing burnout among ICU healthcare professionals.

Poster Session (Continued)

Presenter	Innovation Name	Summary
Evan Linton, MS	Enhanced Fall-Risk Assessment	Quantified balance-control assessment improving fall-risk evaluation beyond standard clinical tests.
Mostafa Rezaeitaleshmahalleh, PhD	GRAFTMIND	AI-driven CABG planning platform simulating blood flow to optimize graft selection.
Emily Huang, MD	HomeScope	Miniaturized cystoscopy device enabling decentralized bladder cancer surveillance.
Stephanie Matsubara, MBA / Niyi Odewade, MD / Nikhil Lal	Longevia	Rewards-driven educational nutrition platform leveraging AI to gamify nutritional adherence and improve long-term patient outcomes for nutrition-dependent chronic conditions (e.g. renal disease, hypertension).
David Zhou, PhD / Stephanie R. Jones, PhD / Nicholas Tolley, PhD	PyraSim Neuroscience	AI-based EEG biomarker platform linking brain-circuit signals to disease states.
Sebastian Useche, MS	SilkAid (SilkMed)	Spray-on silk fibroin wound dressing that accelerates healing and reduces grafting for deep partial-thickness burns.
Sudhakaran Prabakaran, PhD	Svastha	Blockchain-enabled health data exchange allowing providers to own and monetize consented data.
Kareen Coulombe, PhD / Arvin Soepriatna, PhD	TEEM Therapeutics	Patient-derived 3D cardiac tissue models to improve drug discovery and reduce late-stage failure.
Tasha Gaye, BS	TressAI	Wearable scalp-health monitoring system that detects tension and stress to prevent hair loss and scalp disorders.