Innovation Expo Poster Presentations

October 21, 2025

Easel #	Presenter	Poster Title
1	Addy Alt-Holland, PhD/James D. Baleja, PhD	Metabolomics-based Sweat Analysis as a Non-invasive Method for Biomarker Discovery and Disease Diagnosis
2	Liora Altman-Sagan, MS	Developing a Generalizable 3D Model of Human Tissue Fibrosis
3	Alex Brady-Mine	Closing the Training Gap in Neonatal Thoracentesis: A Novel Simulator for a Blind, High-Stakes Procedure
4	Sai Saanvi Chilakapati, MPH	Proposal to Evaluate Real-World Effectiveness and Scalability of a Gamified mHealth Tool for Adult Asthma Burden
5	Inbar Chityat, MSc	Multimodal Non-Contact Sensing of Respiration and Movement in Neonates
6	Eno E. Ebong, PhD	Targeting Vascular Mechanosensing: Glycocalyx-Based Therapies for Cardiovascular Health
7	Emily Huang, MD	HomeScope: a Novel Catheter-Based Cystoscope for Surveillance of Bladder Tumors
8	Alexander R. Ivanov, PhD	Next-generation LC Column Technology for Enabling Highly Sensitive Profiling of Amount-limited Clinical Samples
9	Mohsin Khan PhD	TransHelp: Combating STI and Transphobic Stigma through ICT and Training
10	Raghav Joshi on behalf of Paul Mathew, MD	Immunogenic reprogramming and NK-mediated elimination of Myc-regulated prostate cancer with a bispecific integrin α5β1/αv antibody
11	Susan Miesfeldt, MD	Nw-hydroxy L-Arginine (NOHA): A Promising Biomarker of Response to Neoadjuvant Therapy in the Management of Triple Negative Breast Cancer
12	Helena Mistry, PhD	CYPselect: A Next-generation Prostate Cancer Drug with Exquisite Selectivity
13	Amin Ramezani, PhD	CardiacGPT : A Real-Time AI Assistant for Intraoperative Guidance and Postoperative Decision-Making Support in Cardiac Surgery
14	Sara Abdul Razzaq, MD	Expanded Generalizability of an AI-Based Model for Pulmonary Vasculature Segmentation in Robotic Lung Surgery: From Right to Left Lower Lobe
15	Seyedmostafa Rezaeitaleshmahalleh, PhD	Toward Precision Surgery: An AI-Powered Platform for CABG Planning and Optimization

16	Amir Rouhollahi, PhD	RAGnosis: A Retrieval-Augmented AI Platform for Evidence-Linked Clinical Decision Support
17	Amir Rouhollahi, PhD on behalf of Aanchal Sahu, MS	CardioVision: A Multimodal AI Platform for Digital Twin Modeling and Predictive Planning in Transcatheter Aortic Valve Replacement
18	Meredith C. Rowe, MA	Advancing Web-Based Tools for Accessible Early Detection of Cognitive Impairment
19	Karan Singh, MBBS	Zero-Shot LLMs vs. a Validated ML Classifier for Neuroinfectious Disease Detection from EHR Notes
20	Pranay Srivastava PhD	Reimagining Gait Rehabilitation Through Adaptive Multimodal Feedback
21	Maxwell Tu, BS	Identification of Small Molecule Inhibitors of lncRNA PVT1 as a Novel Therapeutic Strategy for Diabetic Nephropathy
22	Benjamin Wessler MD	Stethoscopes are Useless and Should be Replaced by ML-Enabled Handheld Ultrasound
23	Haluk Yesilkaya, MD, PhD	Giving Every Child a Voice: Science-Based, Gamified Speech Therapy with SUUFLE
Table	Joe Gormley/Eugene Hinderer	Anatomy of a Digital Twin: Data, Computation, Workflow and Visualization