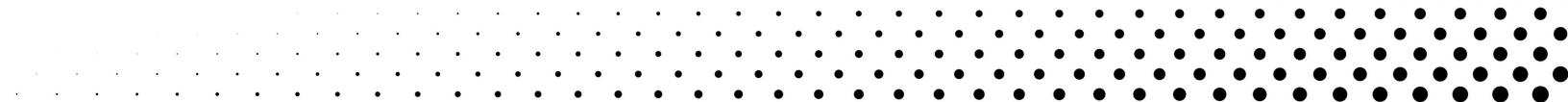# Panel: Oh, The Things That You'll Build: Amazing VUMC Physician Builder Projects, 11am-12pm (Room 214)

Panelists: Jon Wanderer, Kristen Whelchel, Sara Horst, Wael Alrifai

Lightning Talks, 12-1pm (Room 214)

1. Barbara-Jo Achuff - Using Visual Analytics Decision Support to Optimize Quality Sedation Practice in the Cardiac Intensive Care Unit
2. Siru Liu - Using Large Language Model to Guide Patients to Create Efficient and Comprehensive Clinical Care Message
3. Liam Schnelle & Yaa Kumah-Crystal - Game On: ChatGPT vs. Residents snd Faculty in a Diagnostic Duel
4. Alex Becker - Quantifying Immediately Released Test Results that Contribute to the Highest Volume of Patient Messages
5. Victor Borza - Development of an Operations Dashboard at a Student Run Free Clinic
6. Janos Mathe - Intelligent Scheduling Flows: From Requirements to Implementation Using Graph Models and AI
7. Edward Qian - EHR Embedded Clinical Trials: Past, Present, and Future
8. Eric Brown - A Vision for Standardizing Sight

Poster Presentations, 1-2:30 pm (North Lobby)

1. Kim Cox – Some Challenges in Model Transportability in the Veterans Health Administration
2. Ryan Moore– Artificial Intelligence for Improved Patient Outcomes
3. Isabel Arvelo - Novel Machine Learning on Asynchronous Clinical Pages to Predict Clinical Deterioration
4. Angel Anthamatten & Jo Ellen Holt – Transforming Virtual Simulation with Integration of Artificial Intelligence
5. Daniel Fabbri- LLM-Guided Chart Abstraction
6. Anna Qian - Evaluating the Effectiveness of Large Language Models in Extracting Cause of Death from Electronic Health Records
7. Nola O'Sullivan & Yaa Kumah-Crystal - Giggles and Groans: Evaluating ChatGPT's Contribution to Medical Humor
8. Bryan Steitz – Improve Detection of Clinical Deterioration by Automatically Capturing Changes to Oxygen Therapy
9. Jennifer Morse – Using the REDCap platform to Integrate Risks from Diverse Sources for a Clinical-grade Genome Informed Risk Assessment
10. Thomas Reese- Developing and Validating Risk Prediction for Neonatal Opioid Withdrawal Syndrome

Poster Presentations (cont), 1-2:30pm (North Lobby)

11. Hyunjoon Lee - Assessing the Need for a Clinical Decision Support Tool to Improve Random Urine Drug Screening for Patients on Chronic Opioid Therapy

12. Matthew Christensen - Adapting an Established Pneumonia Clinical Decision Support System for an Interoperable Platform

13. Eva Dye- The Integration of a Neonatal Multiuse Clinical Database Within the Electronic Health Records

14. Ann Mathew – Closing the Loop: Assessing the Efficacy of Medication Discontinuation Practices in Electronic Health Records

15. Donnie Sengstack - Leveraging EHR Data to Improve Care Timeliness for Patients with Cardiovascular Implantable Electronic Devices

16. Jacob Franklin & Thomas Ueland - eVisit, then what? A Patient-level Analysis of Care Utilization and Messages

17. Grace Van Winkle - Informatics Enabling pRCTS

18. Brian Douthit – A Framework for Assessing Documentation Utility

19. Michael White & Tonja Sessoms- Standardizing PACU Nursing Documentation

20. Sabrina Carro – Evaluating the Antibiotic Spectrum Index as an Outcome in the Context of a Randomized Clinical Trial

21. Parker Evans - Data Driven Order Set Design in Pediatric Appendicitis

22. Kristen Whelchel- Implementation of a Flowsheet to Track Patients with Inflammatory Bowel Disease Initiating a Biologic with Complex Dosing Regimens

23. Megan Wang - Delinking Cephalosporin Cross Sensitivity Alerts in Patients with PAL

24. Nanda Nayak – Evaluation of Accessibility in Ophthalmology Websites for Individuals with Visual Impairments

25. Alvina Liang –Association of Health Literacy with Opthalmic Disease

26. Chrysanne Bennett - Transfusion Reactions after Pathogen-Reduced Platelet Transfusions in Children in the United States

27. Brandon Buxton - Vision Impairment Prediction for Patients Diagnosed with Multiple Sclerosis: Comos Based Model Training

28. Hannah Slater - Vocal Cues: Leveraging Voice Biomarkers for Screening and Early Detection of Anxiety Disorders

29. Sara Horst - HealthIT Care Companion Colonoscopy Prep Education Implementation Improves Adequate Colonoscopy Prep Rates

30. Jodie Wilkinson - Fire Safety in Ambulatory Procedure Areas

31. Danielle Fishman - Building an EMR-Based Tool to Track and Support Patients Receiving a Complex, Multidisciplinary Radioligand Antineoplastic Therapy

32. Kathleen Rynczak - Vanderbilt University Medical Center: Adult Ambulatory Operations Falls Tracking

33. Lisa Rhinehart - Mealtime Medication Alert Fatigue