

2023

April 10

LEARNING HEALTH SYSTEM PROGRAM

**RESEARCH DAY**



(352) 273-8700

<https://bit.ly/ctsi-lhs>

2004 Mowry Rd., Gainesville, FL, 32610

# AGENDA

**8:30-9:45 AM**

Coffee and opening remarks, CTRB Room 2161

**9:45-12:00 PM**

Keynote speakers, CTRB Room 2161

**12:00-1:00 PM**

Poster presentations and lunch, CTRB lobby

## WELCOME

### **BETSY SHENKMAN, PhD**

Co-Director, UF Clinical and Translational Science Institute  
Professor and Chair, Department of Health Outcomes and Biomedical Informatics, UF College of Medicine

### **RAMZI SALLOUM, PhD**

Director, Learning Health System Program, UF Clinical and Translational Science Institute  
Associate Professor, Department of Health Outcomes and Biomedical Informatics, UF College of Medicine

## OPENING REMARKS

### **DAVID NELSON, MD**

Senior Vice President for Health Affairs  
President, UF Health

### **COLLEEN KOCH, MD**

Dean, UF College of Medicine

### **AZRA BIHORAC, MD**

Senior Associate Dean for Research Affairs,  
UF College of Medicine

### **DUANE MITCHELL, MD, PhD**

Director, UF Clinical and Translational Science Institute

## KEYNOTE SPEAKERS

### **JEREMIAH R. BROWN, PhD, MS**

*"Using Automated Surveillance Reporting to Prevent Acute Kidney Injury: Implications for Learning Health Systems"*

Founding Director, Dartmouth Center for Implementation Science  
Chair, Science of Implementation in Health and Health NIH Study Section  
Professor, Epidemiology, Biomedical Data Science, and Health Policy, Geisel School of Medicine at Dartmouth

### **STEVEN L. BERNSTEIN, MD**

*"Multiphase Optimization Strategy Trials (MOST) in Studies of Tobacco Dependence Treatment"*

Chief Research Officer, Dartmouth Hitchcock Medical Center  
Senior Associate Dean, Clinical & Translational Research, Geisel School of Medicine at Dartmouth  
Director, C. Everett Koop Institute  
Professor, Emergency Medicine, Geisel School of Medicine at Dartmouth

# POSTER PRESENTATIONS

1. **Cameron Thomas, PharmD**, UF College of Pharmacy, Department of Pharmacotherapy and Translational Research. *A HYBRID IMPLEMENTATION-EFFECTIVENESS RANDOMIZED TRIAL OF CYP2D6-GUIDED POSTOPERATIVE PAIN MANAGEMENT.* \*\*
2. **Christelle Lteif, PharmD**, UF College of Pharmacy, Department of Pharmacotherapy and Translational Research. *PREEMPTIVE PHARMACOGENETIC TESTING IN MEDICALLY UNDERSERVED PATIENT POPULATIONS IMPROVES PATIENT MEDICATION TREATMENT SATISFACTION.* \*\*
3. **Anna Maria Abi Nehme, MD**, UF College of Medicine, Department of Health Outcomes and Biomedical Informatics. *A MULTICOMPONENT CARE COORDINATION PROGRAM TO IMPROVE POST-DISCHARGE SEPSIS SURVIVORSHIP OUTCOMES.* \*\*
4. **Ben Chapin, MD**, UF College of Medicine, Department of Neurology. *A MULTI-DISCIPLINARY TEAM APPROACH FOR EDUCATING PROVIDERS TO RECOGNIZE DELIRIUM IN THE POST ANESTHESIA CARE UNIT (PACU).* \*\*
5. **Valeria Westring<sup>\*1</sup> and Anna Hooks,<sup>\*2,3</sup>** UF College of Liberal Arts and Sciences, <sup>1</sup>Department of Psychology, <sup>2</sup>Department of Sociology, and <sup>3</sup>Department of Economics.. *ASSESSING PATIENTS' PERCEPTIONS OF PATIENT-CENTERED CARE PROVIDED BY TELEHEALTH VISITS VIA EXTENSION AMONG RURAL ADULTS WITH TYPE 2 DIABETES.* \*\*
6. **Natasha Tracy, BPH**, UF College of Medicine, Department of Psychiatry. *RESILIENT, BUT FOR HOW LONG? THE RELATIONSHIPS BETWEEN TEMPERAMENT, BURNOUT, AND MENTAL HEALTH IN HEALTHCARE WORKERS DURING THE COVID-19 PANDEMIC.*
7. **Wenxi Huang, MSc**, UF College of Pharmacy, Department of Pharmaceutical Outcomes & Policy. *THE IMPACT OF CONTEXTUAL-LEVEL SOCIAL DETERMINANTS OF HEALTH ON HEART FAILURE READMISSION AND MORTALITY IN PATIENTS HOSPITALIZED FOR HEART FAILURE.*
8. **Mario El Hayek, MD**, UF College of Medicine, Department of Health Outcomes and Biomedical Informatics. *TYPE, TIMING, FREQUENCY AND DURABILITY OF EFFECT IN PARKINSON'S DISEASE PHYSICAL THERAPY: A SYSTEMATIC REVIEW.*
9. **Janet Brishke, MPH**, UF College of Medicine, Department of Health Outcomes and Biomedical Informatics. *USING LEARNING HEALTH SYSTEM PRINCIPLES TO IMPROVE CANCER RESEARCH: THE CITIZEN SCIENTIST CANCER RESEARCH CURRICULUM.*
10. **Peiwei Liu, MS**, UF College of Liberal Arts and Sciences, Department of Psychology. *EFFECTS OF ACUTE AND CHRONIC ADMINISTRATION OF INTRANASAL OXYTOCIN ON LARGE-SCALE BRAIN NETWORKS IN OLDER ADULTS.*
11. **Jenna Lammers, MSR/PT**, UF College of Medicine, Department of Pediatrics. *USING LEARNING HEALTH SYSTEM PRINCIPLES TO IMPROVE CANCER RESEARCH: THE CITIZEN SCIENTIST CANCER RESEARCH CURRICULUM.*
12. **Sofia Anrecio,\*** UF College of Medicine, Department of Health Outcomes and Biomedical Informatics. *SCREENING FOR SOCIAL DETERMINANTS OF HEALTH IN PEDIATRICS USING THE PATIENT PORTAL.*
13. **Pareeta Kotecha, PharmD**, UF College of Pharmacy, Pharmaceutical Outcomes & Policy. *CONTINUOUS GLUCOSE MONITORING IN DIABETES PATIENTS WITH COGNITIVE IMPAIRMENT.*
14. **Kathryn Bunda Pluta, PhD**, UF College of Medicine, Health Outcomes and Biomedical Informatics. *EXPLORING PERCEIVED BENEFITS AND CONSEQUENCES OF VAPING AMONG SEXUAL AND GENDER MINORITY (SGM) YOUTH.*
15. **Tanja Magoc, PhD**, UF Clinical and Translational Science Institute, Integrated Data Repository. *ENHANCING CLINICAL DATA INFRASTRUCTURE FOR LEARNING HEALTH SYSTEM TO IMPROVE PATIENT SAFETY AND HEALTH OUTCOMES AMONG OLDER ADULTS.*
16. **Frank Orlando, MD**, UF College of Medicine, Community Health and Family Medicine. *ADDRESSING PATIENTS' SOCIAL NEEDS IN PRIMARY CARE.*
17. **Jaclyn Hall, PhD**, UF College of Medicine, Department of Health Outcomes and Biomedical Informatics. *DOES HAVING TYPE 2 DIABETES INCREASE THE ODDS OF CERVICAL CANCER DIAGNOSIS? A NESTED CASE-CONTROL STUDY OF A FLORIDA STATEWIDE MULTISITE EHR DATABASE.*

## POSTER PRESENTATIONS

18. **A'Lexus Brown, BSc**, UF College of Medicine, Health Outcomes and Biomedical Informatics. *AN EFFECTIVENESS-IMPLEMENTATION HYBRID TRIAL IN LEBANON TO TEST EVIDENCE-BASED TOBACCO CESSATION INTERVENTIONS IN PRIMARY CARE IN A LOW-RESOURCE SETTING: A STUDY PROTOCOL.*
  19. **Herman Autore, MS**, UF Clinical and Translational Science Institute, Integrated Data Repository. *SERVING UP BIG DATA: THE ROLE OF DATA ACCESS AND DELIVERY IN THE WORLD OF CUTTING-EDGE RESEARCH.*
  20. **Martin Noguera, MS**, UF College of Medicine, Department of Anesthesiology. *EEK!OLOGY™ OF THE BEARD: INITIAL FINDINGS FROM A PROSPECTIVE FEASIBILITY STUDY INVESTIGATING POTENTIAL VARIABLES OF MICROBIAL INFLUENCE ON THE BEARD MICROBIOME.*
  21. **Lakshmidevi Persaud, DNP**, UF College of Nursing, Department of Behavioral Nursing Science. *REDUCING POLYPHARMACY IN ADULTS 65 YEARS OF AGE AND OLDER.*
  22. **Mayank Kotadia, MS1, BSc**, UF College of Medicine, Department of Anesthesiology. *PHYSICAL PREHABILITATION AS AN OPTIMIZATION FOR FRAILTY ELDERLY PATIENTS UNDERGOING SPINE SURGERY.*
  23. **Ho Yin Chan, PhD**, UF College of Medicine, Department of Health Outcomes and Biomedical Informatics. *MACHINE LEARNING BASED ACUTE KIDNEY INJURY SUB-PHENOTYPING WITH TIME SERIES SERUM CREATININE DATA.*
  24. **Shuang Yang, MS**, UF College of Medicine, Department of Health Outcomes and Biomedical Informatics. *RACIAL-ETHNIC DISPARITY IN RATE OF ADVERSE CARDIOVASCULAR EVENTS IN BREAST CANCER PATIENTS RECEIVING CHEMOTHERAPY AND TARGETED THERAPY: IMPACT OF FRAILTY.*
  25. **Bairu Zhao, MS**, UF College of Medicine, Department of Health Outcomes and Biomedical Informatics. *DEVELOPING A TEXT-MESSAGE LIBRARY FOR TOBACCO PREVENTION AMONG ADOLESCENTS: A QUALITATIVE STUDY.*
  26. **Manuela Sinisterra, MS**, UF College of Public Health and Health Professions, Department of Clinical and Health Psychology. *IMPLEMENTATION OF A PEDIATRIC ASTHMA MANAGEMENT PROGRAM IN RURAL PRIMARY CARE CLINICS.*
  27. **Artenisa Kulla, BSc**, UF College of Medicine, Department of Health Outcomes and Biomedical Informatics. *ONCOLOGY PROVIDER PERSPECTIVES REGARDING PATIENT SCREENING FOR FINANCIAL TOXICITY AND REFERRAL TO RESOURCES.*
  28. **Pengfei Yin, BSc**, UF College of Medicine, Department of Health Outcomes and Biomedical Informatics. *EXPANDING THE SYSTEMS ENGINEERING INITIATIVE FOR PATIENT SAFETY MODEL FOR AI-BASED HEALTHCARE TECHNOLOGY.*
  29. **Brianna Nordelo, MPH**, UF College of Medicine, Department of Health Outcomes and Biomedical Informatics. *TAILORED IMPLEMENTATION SUPPORT FOR SUCCESSFUL ADOPTION OF A CLINICAL DECISION SUPPORT TOOL FOR PATIENTS WITH CHRONIC PAIN.*
  30. **Kimia Zandbiglari, MSc**, UF College of Pharmacy, Department of Pharmaceutical Outcomes & Policy. *EVALUATING NATURAL LANGUAGE PROCESSING IN INJURY PREVENTION RESEARCH: A CASE STUDY OF PEDIATRIC FALLS.*
  31. **Melissa Bou Malham, MD**, UF College of Medicine, Department of Health Outcomes and Biomedical Informatics. *STAKEHOLDER ENGAGEMENT PLAN FOR COMPARATIVE EFFECTIVENESS OF MOBILE HEALTH SMOKING CESSATION APPROACHES AMONG UNDERSERVED PATIENTS IN PRIMARY CARE.*
  32. **Caterina Alacevich, PhD**, UF College of Medicine, Department of Health Outcomes and Biomedical Informatics. *PERFORMANCE-BASED PAYMENTS AND QUALITY OF CARE IN NURSING FACILITIES.*
  33. **Jason Cory Brunson, PhD**, UF Laboratory for Systems Medicine, Pulmonary Systems Medicine. *EFFICIENT MODELING OF INDIVIDUALIZED COVID-19 MORTALITY RISK.*
  34. **Sandra Yan, MD**, UF College of Medicine, Lillian S. Wells Department of Neurosurgery. *FROM SOCIAL DETERMINANTS OF HEALTH TO HEALTHY AGING: AN INVESTIGATION INTO THE PREDICTION OF HEALTH STATUS AMONG OLDER POPULATION.*
- \*Denotes undergraduate student
- \*\*Denotes LHS Pilot

## POSTER SESSION JUDGES

Larisa Cavallari, PharmD  
William Troy Donahoo, MD  
Yi Guo, PhD  
Angela Howard, Citizen Scientist  
Christopher Kaufmann, PhD, MHS  
Mei Liu, PhD, MS

Nila Radhakrishnan, MD  
Jessica Ray, PhD, MS  
Naykky Singh Ospina, MD  
Ryan Theis, PhD  
Yonghui Wu, PhD, MS

## EVENT ORGANIZERS

Jacqueline De La Cruz, MPH  
Jennifer LeLaurin, PhD  
Ramzi Salloum, PhD  
Betsy Shenkman, PhD  
Diamund Williams

## SERVICES & VENDORS

### *UF Event Services*

UF Health Educational Technologies  
UF Facilities Services  
UF Health Photography  
CTRB Building Manager, Jason Haugh

### *Vendors*

Opus Coffee  
Celebrations Catering  
The Trophy Shop

Questions? Email Jacqueline De La Cruz at [delacruz.j@ufl.edu](mailto:delacruz.j@ufl.edu)



**Clinical and Translational  
Science Institute**

*Learning Health System Program*

**UNIVERSITY of FLORIDA**