

Dissemination & Implementation Science Scientific Retreat

Sponsored by South Carolina Clinical and Translational Research (SCTR) Institute

Friday, September 9, 2022

9:00 AM – 3:00 PM EST

Check In & Registration: 8:30 AM

Drug Discovery Building Auditorium (110) and Lobby
Medical University of South Carolina (MUSC)

PROGRAM AGENDA

8:30 **Check In & Registration**

9:00 **Welcoming Remarks**

Kevin M. Gray, MD, Professor of Psychiatry and Behavioral Sciences, Assistant Provost for Research Advancement, MUSC

Opening Remarks

David J. Cole, MD, FACS
President, MUSC

Lori L. McMahon, PhD
Vice President for Research, MUSC

Keynote Speaker Introduction

Kathleen T. Brady, MD, PhD, Distinguished University Professor, Department of Psychiatry and Behavioral Sciences, Co-PI, SCTR Institute

9:10 **Keynote Address: Demystifying Dissemination and Implementation Science**

Mark McGovern, PhD, Professor, Co-Chief, Division of Public Mental Health & Population Sciences
Department of Psychiatry, Medical Director, Integrated Behavioral Health, Division of Primary Care,
Department of Medicine, Stanford University School of Medicine

10:10 **Coffee Break and Networking** (*Drug Discovery & Bioengineering Building Lobbies*)

10:20 **Oral Presentations Session 1** (*4 10-minute talks followed by 10-minute Q&A session*)

Speaker Introductions & Moderator: Ron Gimbel, PhD, Professor and Director, Clemson Rural Health, Clemson University

10:25 **An Implementation Science-informed Intervention to Close the Knowledge-to-Practice Gap in Fluid Prescribing**

Michelle Spiegel, MD, Assistant Professor, Department of Medicine, College of Medicine, MUSC

10:35 **Consolidated Framework for Implementation Research (CFIR) Factors Predicting Training Engagement in a National Dissemination of a Faith-Based Online Training for Improving Organizational Practices Related to Physical Activity and Healthy Eating**

Sara Wilcox, PhD, Professor, Department of Exercise Science, Director, Prevention Research Center, Arnold School of Public Health, University of South Carolina

10:45 **Applying Implementation Science to Build a System to Support a Precision Health Initiative in a Learning Health System**

Caitlin Allen, PhD, MPH, Assistant Professor, Department of Public Health Sciences, College of Medicine, MUSC

- 10:55** Developing a Toolkit to Apply Dissemination and Implementation Science to Telehealth Evaluation
Emily Johnson, PhD, Associate Professor, College of Nursing, MUSC
- 11:05** Oral Presentation Session 1 Q&A
- 11:15** **Coffee Break and Networking** (*Drug Discovery & Bioengineering Building Lobbies*)
- 11:25** **Oral Presentation Session 2** (*4 10-minute talks followed by 10-minute Q&A session*)
Speaker Introductions & Moderator: Kevin M. Gray, MD
- 11:30** Identified Barriers and Facilitators to Stroke Risk Screening in Children with Sickle Cell Anemia: Results from the DISPLACE Consortium
Shannon Phillips, PhD, RN, Associate Professor, College of Nursing, MUSC
- 11:40** Public Health Agency Trust, Covid Vaccine Confidence, and Resistance to Misinformation in African American Faith Networks
Bonnie Treado, DNP, FNP-C, Student, College of Behavioral, Social and Health Sciences, Clemson University
- 11:50** Implementing a Plant-based Nutrition Program through a Restaurant Partnership and Community Health Worker
John Bernhart, PhD, MPH, CHES, Research Assistant Professor, Department of Health Promotion, Education, and Behavior, Arnold School of Public Health, University of South Carolina
- 12:00** Nine Key Cost Concepts for Facilitating Diffusion and Implementation in Medical Institutions
Kit Simpson, DrPH, Professor, College of Health Professions, MUSC
- 12:10** Oral Presentation Session 2 Q&A
- 12:20** **Working Lunch & Poster Presentations**
The full list of poster titles and presenters is included in the pages that follow.
- 12:50** **Poster Presenters at Posters**
- 1:20** **Workshop Session 1** (*workshops will take place concurrently*)

Workshop 1 - Getting Started: Defining Your D&I Research Question

Location: BE 201

Led by: Kathleen Cartmell, PhD, MPH, Associate Professor, Department of Public Health Sciences, Clemson University and Rochelle Hanson, PhD, Professor, National Crime Victims Research & Treatment Center, MUSC

The first step to a successful research study is to appropriately define a clear research question. D&I research questions may focus on evaluating the dissemination of an innovation, characterizing barriers and facilitators to implementation or developing testing strategies or adaptations to optimize implementation outcomes. This workshop will focus on the tenets of a good D&I question. Participants are encouraged to bring their potential or existing D&I research questions as examples for discussion.

Workshop 2 - D&I Conceptual Frameworks: Finding a Good Fit for Your Study

Location: DD 110

Led by: Katie Sterba, PhD, MPH, Professor, Department of Health Sciences, Graduate Training Director, Division of Health Behavior and Health Promotion, MUSC, and Sara Wilcox, PhD

A D&I research study is guided by one or more conceptual frameworks that inform the design and execution of the study. Selecting the right framework is essential in defining study activities, outcomes and measures.

This workshop will offer some suggestions on what to consider when selecting a framework. Participants are encouraged to bring potential or existing D&I research questions as examples for discussion.

Workshops 3 - D&I in the Telehealth Context: Characterizing Outcomes and Processes

Location: BE 101

Led by: Emily Johnson, PhD, and Dee Ford, MD, MSCR, Professor of Medicine, Director, Pulmonary, Critical Care, Allergy & Sleep Medicine and Telehealth Center of Excellence, MUSC

This workshop will provide an overview of the growing role of D&I research in telehealth. Participants are encouraged to bring their own D&I research interests in the telehealth context for discussion.

1:50 **Return to Drug Discovery Building Auditorium (Room 110)**

2:00 **Workshop Session 2**

Reducing Disparities in Healthcare – The Role of D&I in Research

Led by: Mark McGovern, PhD

The issue of health disparities is expansive and multi-faceted. The intention for this 30-minute interactive session will seek to address the role implementation scientists can play in characterizing and addressing this critical issue in South Carolina.

2:30 **SCTR Institute Pilot Project Program Funding Opportunities**

Dayan Ranwala, PhD, Associate Professor and Associate Director, SCTR Institute Pilot Project Program and Team Science Program, MUSC

2:35 **Closing Remarks**

Dee Ford, MD, MSCR

POSTER PRESENTATIONS

Location: Bioengineering Building Lobby (next to Drug Discovery Building)

- | Poster ID | Title & Presenter |
|------------------|--|
| 1 | Improving Reach, Effectiveness, Adoption, Implementation, and Maintenance (RE-AIM) Outcomes of Diverse Translational Research Studies through Innovative Technology-Based
Caitlin Allen, PhD, MPH, Assistant Professor, Department of Public Health Sciences, College of Medicine, MUSC |
| 2 | Using Implementation Mapping to Prepare for the Implementation of a Hereditary Cancer Clinic for the Clinical Management of Patients at High Risk of Inherited Cancer
Caitlin Allen, PhD, MPH, Assistant Professor, Department of Public Health Sciences, College of Medicine, MUSC |
| 3 | Using the Consolidated Framework for Implementation Research to Guide Midpoint Evaluation of a Comprehensive Care Model for Neonatal Abstinence Syndrome in South Carolina
Leah Holcomb, MPH, MS, Student, College of Behavioral, Social and Health Sciences, Clemson University |
| 4 | Real-time Machine Learning Models for Predicting Hospitalization Admissions for Individuals with Exposure to COVID-19: Model Design, Validation, and Clinical Implementation Framework
Chen Liang, PhD, Assistant Professor, Department of Health Services Policy & Management, Arnold School of Public Health, University of South Carolina |
| 5 | Implementation of a Trauma Center-Based Mental Health Program for Traumatic Injury Survivors
Tatiana Davidson, PhD, Associate Professor, College of Nursing, MUSC |
| 6 | Use of an Evaluative Logic Model to Describe the Impact of a Community Child Health and Advocacy Institute
Caitlin Koob, MS, Student, Clemson University, Prisma Health's Bradshaw Institute for Community Child Health and Advocacy |
| 7 | Use of an Evaluative Logic Model to Describe the Impact of a Community Child Health and Advocacy Institute
Caitlin Koob, MS, Student, Clemson University, Prisma Health's Bradshaw Institute for Community Child Health and Advocacy |
| 8 | Implementation of a Clinical Pathway to Screen and Treat Medical Inpatients for Opioid Withdrawal
Kimberly Williams, MPH, Research Investigator, Institute for Research on Equity and Community Health, ChristianaCare |
| 9 | RE-AIM Guided Evaluation of a Pediatric Navigation Service
Mackenzie Stuenkel, PhD, MS, Post-doctoral Fellow, Clemson University, Prisma Health |
| 10 | PRISM Guided Development of Statewide SBHC Implementation Science Study
Mackenzie Stuenkel, PhD, MS, Post-doctoral Fellow, Clemson University, Prisma Health |
| 11 | Dissemination and Implementation of Remote Patient Monitoring: an Academic-community Primary Care Partnership in South Carolina
Caroline Wallinger, RN, BSN, Research Nurse Coordinator, MUSC Center for Health Disparities Research, Division of General Internal Medicine & Geriatrics, Department of Medicine, College of Medicine, MUSC |

- 12** **Investigating the Influence of Psychosocial Factors on Adherence to a Home Exercise Program Following Stroke**
Gabrielle Scronce, PhD, Post-doctoral Fellow, College of Health Professions, MUSC
- 13** **Implementation of a Reflex Biomarker Testing Strategy for Patients Newly Diagnosed with Advanced Non-small Cell Lung Cancer**
Adam Fox, MD, Instructor, Department of Medicine, College of Medicine, MUSC
- 14** **Lifestyle Modification Initiative for Prevention of Cardiovascular and Renal Adverse Outcome (LISMICARE)**
Ozan Suer, MD, PGY-2 Family Medicine Resident, Prisma Health/ USC Tuomey
- 15** **Evaluating Use of the Google Apple Exposure Notification App on a University Campus**
Delaram Sirizi, MPH, MS, Student, College of Behavioral, Social, and Health Sciences, Clemson University

Retreat Planning Committee Members

(according to the alphabetical order of the last name)

Sydney Bollinger, MS

Dee Ford, MD, MSCR

Ron Gimbel, PhD

Kevin Gray, MD

Perry Halushka, PhD, MD

Tessa Hastings, PhD

Tammy Loucks, DrPH, MPH

Cathy L. Melvin, PhD, MPH

Stephanie Oppenheimer, MS

Diandra Randle, PhD

Dayan Ranwala, PhD

Kit Simpson, DrPH, MPH

Katherine R. Sterba, PhD

Hongjun Wang, PHD

Sara Wilcox, PhD