**PRESENTATIONS BY CPCRN INVESTIGATORS AT THE 12TH ANNUAL CONFERENCE ON THE SCIENCE OF DISSEMINATION AND IMPLEMENTATION IN HEALTH (DECEMBER 4-6, 2019)**

**WEDNESDAY, DECEMBER 4TH**

<table>
<thead>
<tr>
<th>Start Time</th>
<th>Session Name</th>
<th>Chair(s)</th>
<th>Presenters</th>
<th>Description</th>
</tr>
</thead>
</table>
| 2:30 pm-4:00 pm | **Salon B** | **Coincidence Analysis (CNA)** | **Speakers:** Sarah Birken, University of North Carolina at Chapel Hill | **Learning Objectives:**
1. To describe how the CNA approach is specifically designed to analyze complex causality and what CNA offers to the broader policy/research in implementation science.
2. To engage participants (individually or in groups) using hands-on exercises with basic data in an exploration of the analytical potential of CNA method.
3. To illustrate how to conduct CNA with worked examples from three projects.
4. To provide resources to investigators for using the CNA or other configurational comparative methods of analyzing causal complexity.

**Description:** This workshop will introduce Coincidence Analysis (CNA), a new member within the family of Configurational Comparative Methods (which also includes Qualitative Comparative Analysis). CNA is specifically designed to analyze causal complexity, which is common in implementation research. Presenters will discuss the types of studies for which CNA is useful, provide worked examples of applying CNA to datasets, and share practical resources for using CNA. Participants will learn how CNA works through hands-on exercises involving Boolean algebra, the bottom-up algorithm used by CNA and model performance measures like coverage. No prior knowledge or experience with configurational methods is required.

<table>
<thead>
<tr>
<th>Start Time</th>
<th>Session Name</th>
<th>Chair</th>
<th>Preseneters</th>
<th>Description</th>
</tr>
</thead>
</table>
| 4:30 pm-6:00 pm | **Salon D/E** | **Poster Slam Session** | **A. Adaptation of evidence-based interventions and implementation strategies: An intervention mapping approach for optimizing impact**

*Maria Fernandez, PhD¹, Cam Escoffery, PhD², Maya Foster, M.P.H.³, Laura Savas, PhD⁴ and Patricia Dolan Mullen, DrPH, MLS⁵, (1)The University of Texas Health Science Center at Houston School of Public Health, Houston, TX, (2)Behavioral Sciences and Health Education, Emory University, Atlanta, GA, (3)University of Texas Health Science Center at Houston, TX*

**Strategically Employing Patient Navigation to Reduce Colorectal Cancer Screening Disparities**

**Chairs:** Peggy Hannon, University of Washington | **Panels**

**Amy DeGroff, Centers for Disease Control and Prevention**

*This panel applies the RE-AIM framework to patient navigation for colorectal cancer screening. Each of the three presentations addresses patient populations at-risk for screening disparities. Two presentations describe research in the Colorectal Cancer Control Program (CRCCP), a national screening program in 30 states serving low-income and un/underinsured adults. The third presentation describes research in a large health care system and a community health center. We will discuss issues related to reach, effectiveness, adoption, and implementation of patient navigation in these settings. Our research has implications for strategic implementation of patient navigation to reduce colorectal cancer screening disparities.*

**A. Patient navigators and their activities in the colorectal cancer control program (CRCCP): A national survey**

*Wendy Barrington, PhD, MPH¹, Thuy Vu, MPH², Amy DeGroff, PhD, MPH³, Stephanie Melillo, MPH⁴, Allison Cole, MD, MPH⁵, Cam Escoffery, PhD⁶, Natosha Askelson, MPH, PhD⁷, Laura Seegmiller, MPH⁸, Sarah Koopman Gonzalez, PhD² and Peggy Hannon, PhD MPH⁹, (1)Psychosocial & Community Health, University of Washington, Seattle, WA, (2)Health Services, University of Washington, Seattle, WA, (3)Division of Cancer Prevention and Control, Centers for Disease Control and Prevention, Atlanta, GA, (4)Centers for Disease Control and Prevention, Atlanta, GA, (5)Family Medicine, University of Washington, Seattle, WA, (6)Behavioral Sciences and Health Education, Emory University, Atlanta, GA, (7)University of Iowa College of Public Health, Iowa City, IA, (8)University of Iowa, Iowa City, IA, (9)Case Western Reserve University, Cleveland, OH*
B. Implementing and adapting a promising patient navigation intervention to increase colonoscopy completion
   Allison Cole, MD, MPH\(^1\), Thuy Vu, MPH\(^2\), Marlama Kohn, MPH\(^3\), Gloria Coronado, PhD\(^4\), Amy DeGroff, PhD, MPH\(^4\), Sara Schlueter, MPH\(^4\) and Peggy Hannon, PhD MPH\(^2\), (1)Family Medicine, University of Washington, Seattle, WA, (2)Health Services, University of Washington, Seattle, WA, (3)Kaiser Permanente Center For Health Research, Portland, OR, (4)Division of Cancer Prevention and Control, Centers for Disease Control and Prevention, Atlanta, GA, (5)Atlanta, GA

C. Patient randomized trial of a targeted navigation program to improve rates of colonoscopy after positive FIT in community health centers
   Gloria Coronado, PhD\(^1\), Eric Johnson, PhD\(^2\), Michael Leo, PhD\(^1\), Jennifer Schneider, MS\(^1\), David Smith, RPh\(^1\), Amanda Petrik, MS\(^1\), Jamie Thompson, MPH\(^1\) and Ricardo Jimenez, MD\(^3\), (1)Kaiser Permanente Center For Health Research, Portland, OR, (2)Northwest Permanente, Portland, OR, (3)SeaMar Community Health Centers, Seattle, WA

Salon C

The Role of Stakeholder Engagement in Guiding Community and Population-Level Interventions
Chair: Jesse Nodora, University of California, San Diego

Active stakeholder engagement is required to truly understand the acceptability, appropriateness, and feasibility of an intervention for a given organization, community, or population. Dissemination and implementation science models and frameworks propose specific measures to capture stakeholder perspectives as well as internal and external contextual influences. This session will describe various approaches for stakeholder engagement at individual and organization levels.

A. How well are we doing? Stakeholder perspectives on implementing evidence-based interventions to increase colorectal cancer screening
   Lauren Workman, PhD, MPH\(^1\), Heather Brandt, PhD\(^1\), Hiluv Johnson, LMSW\(^1\), Elijah Christian, MPH\(^1\) and Dave Murday\(^2\), (1) University of South Carolina, Columbia, SC, (2)Arnold School of Public Health, University of South Carolina, Columbia, SC

B. Understanding multilevel barriers and facilitators of cascade screening for Lynch syndrome
   Megan Roberts, PhD, University of North Carolina at Chapel Hill Eshelman School of Pharmacy, Chapel Hill, NC, Swetha Srinivasan, University of North Carolina at Chapel Hill, Chapel Hill, NC, Alanna Kulchak Rahm, PhD, MS, LGC, Genomic Medicine, Geisinger, Danville, PA, Heath Harpel, Ohio State Wexner Medical Center, Columbus, OH, Daniel Reuland, MD, MPH, The University of North Carolina School of Medicine, Chapel Hill, NC, Amit Patel, Medical Marketing Economics, LLC, Oxford, MS and Jennifer Leeman, DrPH, School of Nursing, University of North Carolina, Chapel Hill, NC

6:15 pm-7:45 pm Poster Session Arlington Ballroom

Track: Building the Future of D&I Science: Training, Infrastructure, and Emerging Research Areas

Assessing adaptations to Medicaid/Medicare health-plan-initiated mailed FIT outreach programs (A-11)
Gloria Coronado, PhD\(^1\), Jennifer Schneider, MS\(^1\), Malaika Schwarz, MPH\(^2\), Beverly Green, MD, MPH\(^3\) and Laura-Mae Baldwin, MD, MPH\(^4\), (1)Kaiser Permanente Center For Health Research, Portland, OR, (2)University of Washington, Seattle, WA, (3)Kaiser Permanente Washington Health Research Institute, Seattle, WA, (4)University of Washington School of Medicine, Seattle, WA

Understanding quality improvement collaboratives through an implementation science lens (A-39)
Catherine Rohwedder, DrPH\(^1\), Mary Wangen, MPH\(^1\), Molly Black\(^2\), Heather Dolinger\(^3\), Martha Wolf, RN, MPH\(^4\), Carey O'Reilly, RD, LDN\(^4\), Heather Brandt, PhD\(^4\) and Jennifer Leeman, DrPH\(^5\), (1)University of North Carolina, Chapel Hill, NC, (2)American Cancer Society, Inc, Atlanta, GA, (3)American Cancer Society, Inc, Raleigh, NC, (4)North Carolina Community Health Association, Raleigh, NC, (5)University of South Carolina, Columbia, SC, (6)School of Nursing, University of North Carolina, Chapel Hill, NC

Environmental scan of D&I resources, training, and scientific activities provided through CTSA programs nationally: Opportunities to advance D&I research and training capacity (A-41)
Rachel Shelton, ScD, MPH, Columbia University Mailman School of Public Health, New York, NY, Rowena Dolor, MD, MHS, Duke University, Duke Clinical & Translational Science Institute, Durham, NC and Laura-Mae Baldwin, University of Washington, Seattle, WA
Track: Clinical Care Settings: Patient-Level Interventions

Follow-up colonoscopy after FIT+: A retrospective look at current processes at a single community health center to inform development of an effective patient navigation protocol (A-54)
Kim Bird, MSc¹, Renee Ferrari, PhD¹, Alison Brenner, PhD, MPH¹,²,³, Teri Malo, PhD, MPH⁴, Cory Erhard⁵, Claudia Richardson, MD, MPH⁵ and Daniel Reuland, MD, MPH¹,², (1)University of North Carolina at Chapel Hill, Chapel Hill, NC, (2)The University of North Carolina School of Medicine, Chapel Hill, NC, (3)University of North Carolina School of Medicine, Chapel Hill, NC, (4)The University of North Carolina at Chapel Hill, Chapel Hill, NC, (5)Roanoke Chowan Community Health Center, Ahoskie, NC

Proactive outreach for colorectal cancer screening using mailed fecal immunochemical test kits: A quality improvement program in one academic internal medicine practice (A-56)
Alison Brenner, PhD, MPH¹,²,³, Teri Malo, PhD, MPH⁴, Christina McMillian, BA⁵, Shana Ratner, MD²,³ and Daniel Reuland, MD, MPH¹,², (1)The University of North Carolina School of Medicine, Chapel Hill, NC, (2)University of North Carolina at Chapel Hill, Chapel Hill, NC, (3)University of North Carolina School of Medicine, Chapel Hill, NC, (4)The University of North Carolina at Chapel Hill, Chapel Hill, NC, (5)University of North Carolina, Chapel Hill, NC

Using mHealth apps to improve care for patients with sickle cell disease: Design of the mHealth embedded in the care of sickle cell patients who take hydroxyurea (mESH) trial (A-59)
Lisa DiMartino, PhD, MPH⁵, Nirmish Shah, MD⁵, Hayden Bosworth, Ph.D.²,³, Maria Fernandez, PhD⁴, Victor Gordeuk, MD⁵, Richard Lottenberg, MD⁶, Abdullah Kutlar, MD⁷, Cathy Melvin, PhD, MPH⁸, Jena Simon, APRN MS-HCDL⁹, Marsha Treadwell, PhD¹⁰, Cecelia Calhoun, MD MPH¹¹, Ana Baumann, Ph.D¹², Michael Potter¹³, Lisa Klesges, PhD, MS¹⁴, Ward Hagar, MD¹⁵, Sara Jacobs, Ph.D¹⁶, Andrea Lamont, PhD¹⁶ and Jane Hankins, MD, MS¹⁷, (1)Social and Health Organizational Research and Evaluation Program, Research Triangle Institute, Research Triangle Park, NC, (2)Duke University, Durham, NC, (3)Duke University School of Nursing, Durham, NC, (4)The University of Texas Health Science Center at Houston School of Public Health, Houston, TX, (5)University of Illinois, Chicago, Chicago, IL, (6)University of Florida, Gainesville, FL, (7)Augusta University, Augusta, GA, (8)Medical University of South Carolina, Charleston, SC, (9)Mount Sinai School of Medicine, New York, NY, (10)UCSF Benioff Children’s Hospital, Oakland, CA, (11)Washington University School of Medicine, St Louis, MO, (12)Washington University in St Louis, St Louis, MO, (13)UCSF, San Francisco, CA, (14)University of Memphis, Memphis, TN, (15)RTI International, Highland Park, IL, (16)University of South Carolina, Columbia, SC, (17)Dept. of Hematology, St. Jude Children’s Research Hospital, Memphis, TN

Developing a centralized FIT+ to follow-up colonoscopy patient navigation program: Lessons learned (A-62)
Renée Ferrari, PhD, MPH⁵, Kim Bird, MSc, HT(ASCP)¹, Teri Malo, PhD, MPH⁴, Sara Rubio Correa¹, Alexis Moore, MPH¹, Alison Brenner, PhD, MPH¹,²,³, Seth Crockett, MD, MPH², Kylene Diaz, BS, CCRP⁵, Michael Newcomer, MD⁵, William Leland, MD⁵, Weyling White, MBA, CAPP®, Denita Eley², Cory Erhard³, Claudia Richardson, MD, MPH⁵ and Daniel Reuland, MD, MPH², (1)The University of North Carolina at Chapel Hill, Chapel Hill, NC, (2)The University of North Carolina School of Medicine, Chapel Hill, NC, (3)University of North Carolina at Chapel Hill, Chapel Hill, NC, (4)University of North Carolina School of Medicine, Chapel Hill, NC, (5)Dignity Health Partners, Asheville, NC, (6)Vidant Gastroenterology - Greenville, Greenville, NC, (7)Roanoke Chowan Community Health Center, Ahoskie, NC

Implementation of a centralized colorectal cancer screening outreach program: Findings from a pilot study (A-80)
Teri Malo, PhD, MPH¹, Sara Rubio Correa¹, Alexis Moore, MPH¹, Alison Brenner, PhD, MPH¹,²,³, Renée Ferrari, PhD, MPH³, Kim Bird, MSc¹, Cory Erhard³, Claudia Richardson, MD, MPH⁵, Regina Jacobs, MLT/ASCP³, Shana Ratner, MD³,⁴, Leah Frerichs, PhD³ and Daniel Reuland, MD, MPH³, (1)The University of North Carolina at Chapel Hill, Chapel Hill, NC, (2)The University of North Carolina School of Medicine, Chapel Hill, NC, (3)University of North Carolina at Chapel Hill, Chapel Hill, NC, (4)University of North Carolina School of Medicine, Chapel Hill, NC, (5)Roanoke Chowan Community Health Center, Ahoskie, NC

Using electronic health record data to inform a patient navigation study to address low rates of follow-up colonoscopy (A-89)
Amanda Petrik, MS¹, Alexandra Kihn-Stang, MSc², Jamie Thompson, MPH¹, Matthew Slaughter, MS³, Hanna Dinh, MHA³, Michael Kwon³ and Gloria Coronado, PhD³, (1)Kaiser Permanente Center For Health Research, Portland, OR, (2)Kaiser Permanente Center For Health Researcher, Portland, OR, (3)Sea Mar Community Health Centers, Seattle, WA
### PRESENTATIONS BY CPCRN INVESTIGATORS AT THE 12TH ANNUAL CONFERENCE ON THE SCIENCE OF DISSEMINATION AND IMPLEMENTATION IN HEALTH (DECEMBER 4-6, 2019)

#### WEDNESDAY, DECEMBER 4TH

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:15-7:45 pm</td>
<td>Poster Session</td>
<td>Arlington Ballroom</td>
</tr>
</tbody>
</table>

#### Track: Clinical Care Settings: Systems-Level Interventions

**Adoption and implementation of shared decision making for lung cancer screening** (A-110)
Amir Alishahi Tabriz, MD, PhD, MPH, Christine Neslund-Dudas, PhD, Mrs. Kea Turner, PhD, M Patricia Rivera, MD, Michael Hill, MD, and Jennifer Elston Lafata, PhD, (1) UNC Eshelman School of Pharmacy, Chapel Hill, NC, (2) Henry Ford Health System, Detroit, MI, (3) University of South Florida College of Medicine, Tampa, FL, (4) Moffitt Cancer Center, Tampa, FL, (5) University of North Carolina School of Medicine, Chapel Hill, NC, (6) UNC Lineberger Comprehensive Cancer Center, Chapel Hill, NC

*What is full capacity protocol, and how is it implemented successfully?* (A-111)
Amir Alishahi Tabriz, MD, PhD, MPH, Sarah Birken, PhD, Christopher M. Shea, PhD, MPA, Bruce J. Fried, PhD, and Peter Viccellio, MD, (1) UNC Eshelman School of Pharmacy, Chapel Hill, NC, (2) University of North Carolina at Chapel Hill, Chapel Hill, NC, (3) Stony Brook University, Stony Brook, NY

**Implementation of interprofessional bedside rounding models with hospitalized patients: A scoping review of quantitative and qualitative evidence** (A-117)
Erin Blakeney, PhD, RN, Frances Chu, RN, Andrew White, MD, Danielle Lavallee, PharmD, PhD, Elizabeth (Ibby) Tanner, PhD, RN, Nicole Summerside, MHA, Kyla Woodward, RN, Deborah Dang, and Dr. Bryan Weiner, PhD, (1) University of Washington, Seattle, WA, (2) University of Washington School of Nursing, Seattle, WA, (3) University of Washington School of Medicine, Seattle, WA, (4) Johns Hopkins University, Baltimore, MD, (5) University of Washington, School of Nursing, Seattle, WA, (6) Johns Hopkins Hospital, Baltimore, MD, (7) Department of Health Services, University of Washington School of Public Health, Seattle, WA

**Implementing pharmacy-located HPV vaccination: Findings from pilot projects in five states** (A-121)
William Calo, PhD, Penn State College of Medicine, Hershey, PA, Parth Shah, PharmD, PhD, Fred Hutchinson Cancer Research Center, Seattle, WA, Melissa Gilkey, PharmD, Gilings School of Global Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC, Robin Vanderpool, DrPH, University of Kentucky, Lexington, KY, Sarah Barden, PharmD, Michigan Pharmacists Association, Lansing, MI, William Doucette, PhD, University of Iowa, Iowa City, IA, and Noel Brewer, PhD, Department of Health Behavior, University of North Carolina Gillings School of Global Public Health, Chapel Hill, NC

**Hearthome: Adapting home-based cardiac rehabilitation to increase access and reach for rural and underserved populations** (A-146)
Cheryl Jones, PhD, RN FAN, University of North Carolina, Chapel Hill, Chapel Hill, NC, Sidney Smith, UNC-Chapel Hill, Chapel Hill, NC, Mark Toles, Ph.D., University of North Carolina at Chapel Hill, Chapel Hill, NC, Wagen Mary, UNC-Chapel Hill, Chapel Hill, NC, Alberta Tran, RN BSN CCRN, University of North Carolina, Chapel Hill, NC, Meriel McCollum, RN, BSN, University of North Carolina, Chapel Hill, Chapel Hill, NC, and Jennifer Leeman, DrPH, School of Nursing, University of North Carolina, Chapel Hill, NC

**What it takes to scale-up a complex intervention: Findings from a pilot study of a transitional care intervention** (A-151)
Jennifer Leeman, DrPH, School of Nursing, University of North Carolina, Chapel Hill, NC and Mark Toles, Ph.D., University of North Carolina at Chapel Hill, Chapel Hill, NC

**Implementing pharmacist-led medication interventions in outpatient oncology: A systematic review of barriers, facilitators, and costs** (A-160)
Dr. Cara McDermott, PharmD, J. Randall Curtis, MD, MPH, Ruth Engelberg, PhD, Cossette Woo, MSW, and Dr. Bryan Weiner, PhD, (1) University of Washington, Seattle, WA, (2) Departments of Global Health & Health Sciences, University of Washington, Seattle, WA

**De-implementing long-term opioid therapy for chronic pain: The ‘go to zero’ patient** (A-168)
Michael Parchman, MD, MPH, Kaiser Permanente Washington Health Research Institute, Seattle, WA, Jennifer Rolfe, University of Washington, Seattle, WA, Brooke Ike, MPH, Department of Family Medicine, University of Washington Department of Family Medicine, Seattle, WA, Kelly Ehrlich, Kaiser Permanente Washington Health Research Institute, Seattle, WA and Laura-Mae Baldwin, MD, MPH, University of Washington School of Medicine, Seattle, WA
THURSDAY, DECEMBER 5TH
8:00 am-9:30 am                  Poster Session                  Arlington Ballroom

Track: Behavioral Health
Assessing adaptations to Medicaid/Medicare health-plan-initiated mailed FIT outreach programs (A-11)
Gloria Coronado, PhD\(^1\), Jennifer Schneider, MS\(^1\), Malaika Schwarz, MPH\(^2\), Beverly Green, MD, MPH\(^3\) and Laura-Mae Baldwin, MD, MPH\(^4\), (1)Kaiser Permanente Center For Health Research, Portland, OR, (2)University of Washington, Seattle, WA, (3)Kaiser Permanente Washington Health Research Institute, Seattle, WA, (4)University of Washington School of Medicine, Seattle, WA

Using patient perspectives to inform the tailoring of a practice facilitation intervention to improve provision of alcohol-related care in VA hepatology clinics (B-20)
Madeline Frost, MPH\(^1,2\), Olivia Fletcher, MSc\(^2\), George Ioannou, MD, MS\(^2,3\), Judith Tsui, MD, MPH\(^3\), E. Jennifer Edelman, MD, MHS\(^4\), Dr. Bryan Weiner, PhD\(^1,5\), Amy Edmonds, BA, BS\(^1,2\) and Emily Williams, PhD, MPH\(^1,2\), (1) Department of Health Services, University of Washington School of Public Health, Seattle, WA, (2)Health Services Research and Development (HSR&D), Veterans Affairs (VA) Puget Sound Health Care System, Seattle, WA, (3)Department of Medicine, University of Washington, Seattle, WA, (4)Yale University School of Medicine and Public Health, New Haven, CT, (5)University of Washington School of Public Health, Seattle, WA
Track: Behavioral Health (continued)

Using intervention mapping to plan for implementation of a behavior change intervention in physical therapy (B-42)
Anne Thackeray, PhD, PT1, Thomas Hoogeboom, PhD, PT2, Rachel Hess, MD1, Molly Conroy, MD1, Julie Fritz, PhD, PT1, Maria Nijhuis-van der Sanden2 and Maria Fernandez, PhD3, (1)University of Utah, Salt Lake City, UT, (2)Radboud university medical center, Nijmegen, Netherlands, (3)The University of Texas Health Science Center at Houston School of Public Health, Houston, TX

Track: Global Dissemination and Implementation Science

Human papillomavirus school-entry vaccination mandate in Puerto Rico: Barriers and facilitators from the perspective of key informants (B-59)
Vivian Colon-Lopez1,2, Roxana Soto-Abreu1, Manuel Rivera1, Vilinery Rivera-Figueroa1, Glizette Arroyo-Morales1, Diana Medina-Laabes1, Maria Fernandez, PhD2 and Pamela Hull, PhD4, (1)University of Puerto Rico Cancer Center, San Juan, PR, (2)University of Puerto Rico, Medical Sciences Campus, San Juan, PR, (3)The University of Texas Health Science Center at Houston School of Public Health, Houston, TX, (4)Vanderbilt University Medical Center, Nashville, TN

Track: Models, Measures, and Methods

Advancing the understanding of sustainment of evidence-based practices (B-85)
Sarah Birken, PhD1, Burcu Bozkurt1, David Chambers, D.Phil.1, Alicia Burger, PhD, MSW3 and Per Nilsen, PhD4, (1)University of North Carolina at Chapel Hill, Chapel Hill, NC, (2)National Cancer Institute, Rockville, MD, (3)College of Social Work, Ohio State University, Columbus, OH, (4)Linkoping University, Linkoping, Sweden

Combined use of the consolidated framework for implementation research and the theoretical domains framework to understand multilevel determinants of low-value healthcare practice de-implementation (B-86)
Sarah Birken, PhD1, Sarah Asad, MSc2, Emily Haines, BA2, Soo Hwang, MPH, CHES2, Lisa Spees, PhD2, Danil V. Makarov, MD, MHS3, Dr. Matthew Nielsen, MD, MS, FACS4, Per Nilsen, PhD4, Alexis Kirk, PhD, MSPH2, Margit Neher, Reg OT, PhD6, Henna Hasson, PhD6, Hanna Augustsson, PhD6, Ulrica von Thiele Schwarz, PhD7,8 and Christian D. Helfrich, MPH, PhD6, (1)Gillings School of Global Public Health, Chapel Hill, NC, (2)University of North Carolina at Chapel Hill, Chapel Hill, NC, (3)NYU Langone Health, Brooklyn, NY, (4)University of North Carolina-Chapel Hill, Chapel Hill, NC, (5)Linkoping University, Linkoping, Sweden, (6)Karolinska Institute, Stockholm, Sweden, (7)Karolinska Institutet, Solna, Sweden, (8)Mälardalen University, Solna, Sweden, (9)Seattle, WA

Variation in implementation strategies employed by practice facilitators in the healthy hearts northwest study (B-89)
Allison Cole, MD, MPH, Family Medicine, University of Washington, Seattle, WA, Laura-Mae Baldwin, MD, MPH, University of Washington School of Medicine, Seattle, WA, Gina Keppel, University of Washington Institute of Translational Health Sciences, Seattle, WA and Michael Parchman, MD, MPH, Kaiser Permanente Washington Health Research Institute, Seattle, WA

Implementation mapping: Using theory and evidence to select or develop implementation strategies (B-97)
Maria Fernandez, PhD1, Gill ten Hoor2, Sanne van Lieshout3, Serena A. Rodriguez4, Rinad S. Bedias5, Guy Parcel6, Robert A.C. Ruiter2, Christine Markham, PhD7 and Gerjo Kok2, (1)The University of Texas Health Science Center at Houston School of Public Health, Houston, TX, (2)Maastricht University, Maastricht, Netherlands, (3)University of Amsterdam, Amsterdam, Netherlands, (4)University of Texas Southwestern Medical Center, Dallas, TX, (5)University of Pennsylvania, Philadelphia, PA, (6)University of Texas Health Science Center at Houston, Houston, TX, (7)The University of Texas Health Science Center School of Public Health, Houston, TX

Adaptation of evidence-based interventions and implementation strategies: An intervention mapping approach for optimizing impact (B-98)
Maria Fernandez, PhD1, Cam Escoffery, PhD2, Maya Foster, M.P.H.3, Laura Savas, PhD2 and Patricia Dolan Mullen, DrPH, MLS3, (1)The University of Texas Health Science Center at Houston School of Public Health, Houston, TX, (2)Behavioral Sciences and Health Education, Emory University, Atlanta, GA, (3)University of Texas Health Science Center at Houston, Houston, TX
Salon F/G/H

Advancing Intervention Implementation and Effectiveness Through Adaptation

Chairs: Sarah Birken, University of North Carolina at Chapel Hill
Alexis Kirk, University of North Carolina at Chapel Hill

This session will feature research on adapting evidence-based practices and implementation strategies and the influence of adaptations on implementation and effectiveness. We will explore patterns in outcomes across key adaptation features, including the reason and goal for adaptation, whether adaptation was proactive or reactive, and whether adaptations preserved core functions. The session will promote knowledge of adaptation and its outcomes, putting this knowledge into practice, and laying the groundwork for future research on adaptation.

A. The University of North Carolina’s approach to advancing implementation science: The dissemination and implementation methods unit

Jennifer Leeman, DrPH, School of Nursing, University of North Carolina, Chapel Hill, NC, Catherine Rohweder, DrPH, University of North Carolina, Chapel Hill, NC, Sarah Birken, PhD, Gillings School of Global Public Health, Chapel Hill, NC and Christopher Shea, PhD, UNC Chapel Hill, Chapel Hill, NC
THURSDAY, DECEMBER 5TH

9:45 am-11:00 am (continued)

Salon J  Implementation of Physical Activity Programs to Promote Health Equity
Chair: Belinda Sims, National Institute on Drug Abuse
Podium Presentations
Physical activity interventions can promote positive health outcomes but there are challenges in access, reach and uptake of programs, especially among health disparity populations. In this session, strategies for implementation of physical activity interventions targeting low resource schools, rural populations, and ethnic minority populations will be presented. Also, presentations will address issues such as social determinants of health, barriers to participation, and implementation supports.
A. Adapting, implementing, and evaluating an evidence-based community intervention to promote physical activity in a midsize rural town
   Barbara Baquero, MPH, PhD1, Rebecca Bucklin, MPH2, Natoshia Askelson, MPH, PhD2, Nicole Novak, PhD, MSc2, Rima Affifi, PhD, MPH2, Christine Kava, PhD2, Sandy Berto, RN3, Active Ottumwa Community Advisory Board (CAB)2 and Edith Parker, DrPH2, (1)University of Washington, Health Promotion Research Center, Seattle, WA, (2)University of Iowa College of Public Health, Iowa City, IA, (3)Health Services, University of Washington, Health Promotion Research Center, Seattle, WA, (4)University of Iowa, Ottumwa, IA, (5)Active Ottumwa, Ottumwa, IA

1:30 pm-2:30 pm

Salon J  Implementing Evidence: PCORI’s Dissemination and Implementation Program
Discussants: Ethan Chang, PCORI
Joanna Siegel, PCORI
Jennifer Leeman, University of North Carolina
Meg Simione, Massachusetts General Hospital/Harvard Medical School
PCORI’s Dissemination and Implementation (D&I) Program seeks to heighten awareness of PCORI-funded research and advance efforts to put these findings into practice to improve healthcare delivery and health outcomes. In this session, we will describe the types of D&I projects PCORI is funding through ongoing funding initiatives, highlighting principles from Implementation Science. A panel of current awardees will present their PCORI-funded D&I projects, including how they are addressing barriers to evidence uptake and integration into practice, as well as evaluating the successful execution of their implementation strategy and the impact of the implementation activities on healthcare and health outcomes.

2:45 pm-4:15 pm

Salon K  Addressing Health Disparities Through Engaged Partnerships and the Application of Dissemination & Implementation Frameworks: Implementation Research in the CDC Prevention Research Center (PRC) Network
Chair: Brigette Ulin
Panels
This panel showcases four unique implementation studies from the CDC-funded Prevention Research Center Network focused on promoting health equity and eliminating disparities. The populations (behavior, settings) include African American men (HIV prevention, community-based organizations), rural African Americans (multi-component, public health and community clinics), South Asians (hypertension control, primary care practices), and African American and whites across South Carolina (physical activity and healthy eating, churches). Each presentation reports study outcomes and describes how a D&I framework guided the study and how clinical/community partners were engaged to ensure the evidence-based interventions were adapted to the local setting while maintaining implementation fidelity.
A. Developing a multi-component strategy to scale-up a community health worker intervention: Findings from a hybrid effectiveness-implementation study
   Carmen Samuel-Hodge, PhD, RD1, Jennifer Leeman, DrPH2, Sallie Allgood, PhD, RN3 and Samuel Cykert, MD1, (1)University of North Carolina, Chapel Hill, NC, (2)School of Nursing, University of North Carolina, Chapel Hill, NC, (3)Duke University, Durham, NC
**THURSDAY, DECEMBER 5TH**

<table>
<thead>
<tr>
<th>TIME</th>
<th>SESSION</th>
<th>TITLE</th>
<th>SPEAKERS</th>
</tr>
</thead>
</table>
| 2:45 pm-4:15 pm (continued) | Salon A | Uncovering the Secret Sauce of Implementation with Innovative Analytic Methods | Podium Presentations

**Chair:** Rachel Sturke, University of North Carolina at Chapel Hill

**Sarah Birken**, University of North Carolina at Chapel Hill

*Calling all methodologists!! Advancing the science of implementation requires greater understanding of the strategies and factors that lead to success. Unfortunately, the complexity of real world settings makes it challenging to isolate effects with typical analytic methods. In this session, 4 investigators will demonstrate how innovative methods such as correlational and configurational analyses (first half) and latent class and profile analyses (second half) can be used to draw insights in the setting of complexity and advance the field of D&I. Come check it out!*

**A.** How variation in health system implementation affects the success of colorectal cancer screening outreach

Amanda Petrik, MS¹, Edward Miech, EdD², Jennifer Coury, MALSc³, **Beverly Green**, MD, MPH⁴, **Laura-Mae Baldwin**, MD, MPH⁵, Nicole Merrithew, MPH⁶, Kelly Coates, MPH⁷ and **Gloria Coronado**, PhD⁸, (1)Kaiser Permanente Center For Health Research, Portland, OR, (2)Regenstrief Institute, Indianapolis, IN, (3)CareOregon, Portland, OR, (4)Kaiser Permanente Washington Health Research Institute, Seattle, WA, (5)University of Washington School of Medicine, Seattle, WA

**B.** Exploring the heterogeneity of factors that may influence implementation of PrEP in family planning clinics: A latent profile analysis

Kaitlin Piper, MPH⁹, Regine Haardöfer, PhD², **Cam Escoffery**, PhD², Anandi Sheth, MD⁴ and Jessica Sales, PhD⁵, (1)Emory University, Rollins School of Public Health, Atlanta, GA, (2)Emory University, Atlanta, GA, (3)Behavioral Sciences and Health Education, Emory University, Atlanta, GA, (4)Emory School of Medicine, Atlanta, GA

| 4:30 pm-6:00 pm | Salon C | Scalability and Sustainability – Keys to Successful Dissemination and Implementation | Podium Presentations

**Chair:** Rachel Sturke, Fogarty International Center

*In the field of dissemination and implementation it is imperative that implementation of interventions not only delivers successful results, but that these results are also scalable and sustainable. A model integrating the three elements of results, scalability, and sustainability will prioritize the following: context-derived solutions, integration within host country systems and culture, and holistic implementation within existing resources, supervisory structures, and policies. This session will engage participants through three different presentations on successful scale-up and sustainability as well as discussion on the topic.*

**A.** Organizational readiness to implement soil-transmitted helminth elimination programs: Results from a three-country hybrid study

Arianna Means, MPH PhD¹, Marie-Claire Gwayi-Chore, MSc, MHS², Angel Titus³, Yesudoss Gnanapu², Comlanvi Innocent Togbevi, MSc⁴, Félicien Chabi, MSc⁴, Euripide Avokpah MD, MSc⁴, Adrian JF Luty, PhD, MSc⁵, Moudachirou Ibikounlé, PhD⁶, Sitara Ajampur, MD, PhD⁷, **Dr. Bryan Weiner**, PhD⁷, Judd Watson, MD, MPH² and Kumudha Aruldas, MD³, (1)Department of Global Health, University of Washington, Seattle, WA, (2)University of Washington, Seattle, WA, (3)Christian Medical College, Vellore, India, (4)Institut de Recherche Clinique du Bénin, Abomey-Calavi, Benin, (5)Université de Paris, Paris, France, (6)Université d’Abomey-Calavi, Cotonou, Benin, (7)Departments of Global Health & Health Sciences, University of Washington, Seattle, WA
FRIDAY, DECEMBER 6TH

8:00 am-9:30 am

Salon F/G/H  Cost and Economic Aspects of Implementation
Chair: Michelle Moniz, Institute for Healthcare Policy and Innovation, University of Michigan  Podium Presentations
Lisa Saldana, Oregon Social Learning Center
Studies examining the costs of implementation processes are vital for promoting efficient and effective implementation of evidence-based practices. This session will present studies of 1) the relative costs of two implementation bundles for a telemedicine intervention for veterans with post-traumatic stress disorder, 2) the cost and incremental cost effectiveness of various implementation interventions to promote colorectal cancer screening, and 3) recruitment activity costs in a hybrid implementation-effectiveness trial and opportunities to reduce costs to maximize reach. The session will include a robust discussion of opportunities to promote economic analyses in implementation research and real-world implementation processes.

A. Costs and effectiveness of interventions implemented to increase colorectal cancer screening in eight cdc colorectal cancer control program awardees
Florence Tangka, PhD, Centers for Disease Control and Prevention, Atlanta, GA, Sujha Subramanian, PhD, RTI International, Waltham, MA, Sonja Hoover, MPP, Social Policy, Health and Economics Research, RTI International, North Waltham, MA, Christen Lara, Colorado Department of Public Health & Environment, Denver, CO, Casey Eastman, MPH, Office of Health Communities, Washington State Department of Health, Olympia, WA, Becky Glaze, HealthPoint, Renton, WA, Mary Ellen Conn, MS, WVU Cancer Institute, West Virginia University, Morgantown, WV and Melissa Barajas, Neighborhood Healthcare, Escondido, CA

Salon C  Novel Approaches in D&I Training
Chair: Anne Sales, University of Michigan  Podium Presentations
Sarah Bernal
This session will focus on novel locations and opportunities for training in Dissemination and Implementation Sciences. The sessions range from novel laboratories in multiple countries to in-depth focus on sustainability and facilitator resilience.

A. I-corps@ncats: A novel designing-for-dissemination learning laboratory for clinical and translational researchers to increase intervention relevance and speed dissemination
Kathryn Nearing, PhD, MA\textsuperscript{1,2}, Julie Rainwater\textsuperscript{3}, Elaine Morrato, DrPH\textsuperscript{4,5}, Stacey Neves\textsuperscript{6}, Pamela Bhatti, PhD, MSCR\textsuperscript{6}, Nathaniel Hafer, PhD\textsuperscript{7}, Suhrud Rajguru\textsuperscript{8}, Bruce Conway\textsuperscript{9}, Kevin Harter\textsuperscript{10} and Molly Wasko\textsuperscript{11}, (1)University of Colorado Anschutz Medical Campus, Aurora, CO, (2)Aurora, CO, (3)University of California, Davis, Sacramento, CA, (4)Colorado Clinical and Translational Sciences Institute, Aurora, CO, (5)Colorado School of Public Health, University of Colorado Anschutz Medical Campus, Aurora, CO, (6)Georgia Institute of Technology, Atlanta, GA, (7)UMMS, Worcester, MA, (8)University of Miami, Miami, FL, (9)The Rockefeller University, New York, NY, (10)Penn State University, Hershey, PA, (11)UAB, BIRMINGHAM, AL

11:30 am-12:45 pm

Arlington Ballroom  D&I Measures for Rapid, Relevant, and Rigorous Research
Chair: Gila Neta, National Cancer Institute  Plenary Presentations
Speakers: Maria Fernandez, The University of Texas Health Science Center at Houston School of Public Health
Sara Landes, University of Arkansas for Medical Sciences
Lisa Saldana, Oregon Social Learning Center
Bryan Weiner, University of Washington

This session will focus on considering the current state of measurement in D&I research, priorities for the field moving forward, and related issues of data aggregation, study design implications, and remaining gaps.