



October 2023 Newsletter

Dear PISCE Community,

It's officially hot chocolate and cozy sweater weather! In the midst of spooky season, we are thrilled to share some updates.

Congratulations to all who were accepted to present at this year's D&I Conference in Virginia! We will be reaching out in the coming weeks about an opportunity for a practice session.

Thank you for all those that registered for and promoted our Fall Fireside Chat event. Following its postponement, we are excited to announce a new date and time. Please see our upcoming events section for more information.

We have many additional events to look forward to this fall/winter, including SIRC City (tonight), a talk with [Dr. Megan Clarke Roberts](#), and Works-In-Progress meetings.

Be well,
The PISCE Leadership Team

Announcements

We are thrilled to announce our newest partnership with the Penn Center for AIDS Research's (CFAR) new Implementation Science Core. Two of our Directors, Meghan Lane-Fall and Kate Rendle, were named core co-directors. Throughout the year we will host many co-sponsored events and meetings to attend!

Please reach out to [Day Prescott-Moore](#) if you are interested in joining CFAR IS Core's List Serv.

[For more information on the CFAR IS Core](#)

If you are interested in attending an in-person pre-conference poster session practice for the Academy Health Dissemination and Implementation Conference on December 6, 2023, please fill out [this form](#).

PISCE Upcoming Events

New Date!

Fireside Chat: Structural Interventions to Improve Population Health

with Nicole Thomas & Sara Solomon

Thursday, November 16, 2023

11:00am - 12:00pm

Virtual Event

Our postponed Fall Fireside Chat will feature [Ms. Nicole Thomas](#), co-founder and co-director of the Penn Community Health Program and REACH Initiative at the University of Penn and [Ms. Sara Solomon](#), Deputy Director at the Penn Injury Science Center.

The updated Zoom link will be provided to those who register. For those who have already registered, the new zoom link will be emailed to you!

**RSVP
Here**

Lecture: Achieving the Promise of Precision Prevention through Implementation Science

with Megan Clarke Roberts, PhD

Thursday, November 30, 2023

11:00am - 12:30pm

Virtual Event

We are thrilled to announce our fall speaker, [Dr. Megan Clarke Roberts](#), Assistant Professor in the Division of Pharmaceutical Outcomes and Policy and Director of Implementation Science in Precision Health and Society at the University of North Carolina Eshelman School of Pharmacy.

The Zoom link will be provided to those who register.

**RSVP
Here**

2023 PISCE Works in Progress Meeting

Tuesday, November 14, 2023
2:00pm - 3:00pm
Hybrid



In-Person Location: Stemmler Hall, Room 316

Are you Penn/CHOP faculty, staff, or student and interested in adding or editing an implementation science lens or aim(s) to your research project?

Light Refreshments will be provided to IN-PERSON attendees!

Sign up to present

2023 CFAR IS Core Works in Progress Meetings

Tuesday, October 31, 2023
12:00pm - 1:00pm
Virtual

Thursday, November 9, 2023
12:00pm - 1:00pm
Virtual



Newly Funded Grants with an Implementation Science focus



An Intervention Mapping Approach to Closing the Gap in Maternal OUD and Infant NAS care

Dr. Sara Kornfield received an R21 award to close the gap in maternal health and substance abuse treatment in pediatric settings. The goals of this study are to systematically identify the primary facilitators and barriers to implementing bedside Opioid Use Disorder (OUD) treatment in the neonatal intensive care units (NICU) (Aim 1), use steps from implementation mapping to develop a suite of implementation strategies to collocate buprenorphine induction for postpartum women with OUD in the NICU (Aim 2), and refine, test, and examine the acceptability and feasibility of applying the adapted model in a pilot case series in 2 NICU sites for use in larger trials (Aim 3).



An implementation science approach to the design and evaluation of tuberculosis self-testing in South Africa

Dr. Yeon Soo Baik was awarded a KO1 to study and evaluate the feasibility of implementing self-testing for active Tuberculosis (TB). Broadly, this study will help identify barriers, refine strategies to address those barriers in the implementation of TB self-testing, and evaluate those strategies effectiveness in high-risk occupational settings in South Africa. The primary outcome will be to increase the proportion of individuals receiving microbiological testing results to reflect the acceptability and fidelity of TB self-testing.



Improving the Detection of Hypertrophic Cardiomyopathy Using Machine Learning Applied to Electronic Health Record Data

Dr. Nosheen Reza received a K23 award to address the gap between the hypertrophic cardiomyopathy diagnostic and therapy. This research will use machine learning applied to electronic health record data to develop generalizable models to identify patients with undiagnosed hypertrophic cardiomyopathy and clinically relevant predictors of underdiagnosis. She aims to derive and validate a multi-institutional electrocardiogram-based model for detection and evaluate the improvement of the model's abilities with additional electronic health record-derived traits (Aim 1), externally evaluate the best performing models (Aim 2), and identify clinician-specific barriers to and facilitators of accurate and timely diagnosis of hypertrophic cardiomyopathy and assess clinician's attitudes towards the use of the diagnostic model (Aim 3). These aims will lead to prospective dissemination and implementation studies of a generalized electronic health record-derived diagnostic tool to facilitate early recognition and risk stratification of individuals with hypertrophic cardiomyopathy.

Publications by Penn/CHOP Researchers

Becker-Haimes EM, Hernandez Rodriguez J, Wolk CB. (2023). [Editorial: Implementation of evidence-based treatments for child anxiety and related disorders across diverse contexts.](#) *Front Psychiatry*.

Easterling DV, Jacob RR, Brownson RC, Haire-Joshu D, Gundersen DA,

Angier H, DeVoe JE, Likumahuwa-Ackman S, Vu T, Glasgow RE, Schnoll R. (2023). [Participatory logic modeling in a multi-site initiative to advance implementation science.](#) *Implement Sci Commun.*

Lee CR, Moise N. (2023). [Racism Conscious Approaches to Quality Improvement and Implementation Science Cardiovascular Research: Where Do We Go from Here?](#) *J Gen Intern Med.*

McGuier EA, Kolko DJ, Stadnick NA, Brookman-Frazer L, Wolk CB, Yuan CT, Burke CS, Aarons GA. (2023). [Advancing research on teams and team effectiveness in implementation science: An application of the Exploration, Preparation, Implementation, Sustainment \(EPIS\) framework.](#) *Implement Res Pract.*

Ramadurai D, Shea JA. (2023). [Leveraging the health equity implementation framework to foster an equity focus in medical education.](#) *Adv Health Sci Educ Theory Pract.*

Implementation Science News

The cross-journal Collection, [Implementation of Evidence-Based Practices for Improving Maternal and Neonatal Health](#), is now officially open for submissions.

This collection, by Implementation Science and Implementation Science Communications, welcomes submissions of research in high- and low-income countries and spanning preconception, pregnancy, intrapartum, and postpartum care, as well as outpatient, inpatient, and community-based settings.

Investigations that incorporate health equity considerations, with a goal of ensuring that all people can access evidence-based care to improve the health of birthing populations, are encouraged. In addition, we encourage work that takes a community engaged approach to research.

Submission Deadline: 30 April 2024

Click [here](#) to submit.

Educational Opportunities

Penn Implementation Science Certificate

In January, applications will open for the Summer 2024 start of the Implementation Science Certificate! Current degree-enrolled students and nonstudents are both eligible to apply. **Admission is open to ALL.** Click [here](#) for more information.

Save The Date!
The 8th Annual
Penn Implementation Science Institute

June 11-14, 2024
Virtual

Registration will open in early 2024. Details forthcoming.

Conferences

16th Annual D&I Conference
***Raising Expectations for D&I Science:
Challenges and Opportunities***

December 10-13, 2023
Crystal Gateway Marriott, Arlington, VA

This year's conference will concentrate on methodological progress, including areas needing growth, and continuing to advance the empirical and theoretical base for both experimental and observational research across the globe.

Save The Date!
D&I Conference Happy Hour

December 11, 2023
6:30pm - 8:30pm
Highline RxR, Arlington, VA

Mark your calendars! During this year's 16th Annual D&I Conference, PISCE will be hosting a private Happy Hour for attendees and presenters. Additional details coming soon.

Job Opportunities

**Assistant Professor - Epidemiology -
Implementation Science at the University of
Pennsylvania Perelman School of Medicine**

The Department of Biostatistics, Epidemiology and Informatics at the Perelman School of Medicine at the University of Pennsylvania is seeking

candidates for several Assistant Professor positions in either the non-tenure clinician educator track or the tenure track. Expertise is required in the specific area of implementation science methods development and applications, with the ability to establish oneself as a research leader in their area of specialization.

Qualifications:

- Applicants must have a Ph.D. or equivalent degree.

For more information and the application, click [here](#). **Deadline to apply is August 18, 2025.**

Tenure-Track Implementation Science Faculty at the TSET Health Promotion Research Center (HPRC)

The TSET Health Promotion Research Center (HPRC) at the NCI Designated Stephenson Cancer Center and University of Oklahoma Health Sciences Center (OUHSC) is seeking applicants for 3 tenure-track faculty with a focus on dissemination and implementation (D&I) science principles and healthcare delivery within a growing portfolio of cancer prevention and control research.

Qualifications:

- Doctoral level degree in a health-related field

For more information and the application, click [here](#). **Open until filled.**

Inaugural Division Chief of Implementation Science at the Associate or Full Professor Level

The Department of Medical Social Sciences (MSS), Feinberg School of Medicine, Northwestern University invites applications for a tenure track (Associate or Full Professor level) inaugural Division Chief for its newly formed Division of Implementation Science. Start date is negotiable. We will begin reviewing applications November 1st.

Job Description:

We are looking for an outstanding mid-to-advanced career investigator, leader, and innovator with expertise in implementation science. The successful candidate will be responsible for advancing the field of implementation science by developing cutting-edge research methods, designs, and analytic strategies. These efforts will contribute to the growth and expansion of our new Implementation Science Division within the Department of Medical Social Sciences. This position is situated within a medical school that has written

implementation science into its strategic plan and recently launched the Center for Dissemination and Implementation Science (CDIS), led by inaugural director Dr. Sara Becker. The Division Chief will work closely with CDIS and other FSM entities to advance the mission of implementation science.

For more information and the application, click [here](#). **Open until filled.**

Connect with us!



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