

YEAR IN REVIEW: 2023



Mission

To advance the science and practice of implementation by building capacity, driving methodological innovation, fostering collaboration, and encouraging community.

This statement encompasses the following strategic goals and core competencies:

- **Research** - We support the development of research to guide the implementation of evidence-based interventions across a range of healthcare settings around the globe.
- **Education** - We host educational offerings for both the next generation of researchers as well as established investigators through our Implementation Science Certificate Program, our Implementation Science Institute, workshops, and a variety of courses on Implementation Science at Penn.
- **Connection** - We bring together the Implementation Science community at Penn and beyond through invited speaker lectures, fireside chats, works-in-progress meetings, in-person networking opportunities, newsletters, mock study sections, conference preparation workshops, writing workshops, and more.

Vision

We foster optimal population health through collaborative, equitable, and rigorous dissemination and implementation science.





Letter from the Executive Director, Meghan Lane-Fall

Dear PISCE Community,

As I reflect on 2023, I am grateful to the PISCE community and its members for their work in growing the field of implementation science at Penn and beyond. Last year saw outstanding growth in scholarship and grant funding in IS across many domains, including cancer, HIV/AIDS, mental health, pediatrics, acute care, and maternal health. We also welcomed our first full cohort of students in Penn's Implementation Science Certificate program and launched a new affiliation with the Penn Institute for Translational Medicine and Therapeutics. In 2024, we are looking forward to seeing the new PISCE Senior Fellow program recognize Penn's phenomenal leaders in implementation science across the University. We continue to be inspired by all the ways that PISCE family members push the boundaries of rigorous implementation science and support capacity building in the field. Thank you for building the bridge from evidence to practice to impact!

Sincerely,

A handwritten signature in black ink, appearing to read 'Meghan Lane-Fall', written in a cursive style.

Meghan

Leadership Team



Meghan Lane-Fall, MD, MSHP, FCCM

Executive Director, PISCE

David E. Longnecker Associate Professor, Anesthesiology and Critical Care, Perelman School of Medicine

Associate Professor, Epidemiology, Perelman School of Medicine

Amanda Bettencourt, PhD, APRN, CCRN-K, ACCNS-P

Director of Acute Care Implementation Science, PISCE

Assistant Professor, Family and Community Health, Penn Nursing



Christopher Bonafide, MD, MSCE

Director of Pediatric Implementation Research, PISCE

Associate Professor, Pediatrics, Perelman School of Medicine

Katharine Rendle, PhD, MSW, MPH

Director of Cancer Implementation Research, PISCE

Assistant Professor, Family Medicine and Community Health,

Hospital at the University of Pennsylvania

Assistant Professor, Biostatistics, Epidemiology, and Informatics,

Perelman School of Medicine



Courtney Benjamin Wolk, PhD

Director of Mental Health Implementation Research, PISCE

Assistant Professor, Psychiatry, Perelman School of Medicine

Leadership Team Continued



Meghan Lockman, MS, MBA
Managing Director, PISCE

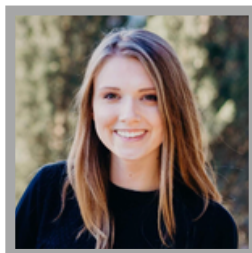
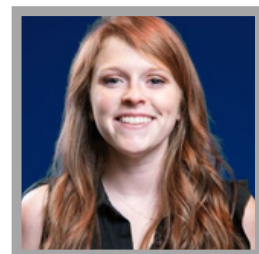
Day Prescott-Moore, MS
Assistant Manager, PISCE
(Joined September 2023)



Isabelle Kaminer, MS
Coordinator, PISCE
(January - August 2023)

PISCE Staff

Kathryn O'Boyle
Implementation Science Certificate Coordinator



Sarah Hatch, MeD
Implementation Science Education Program Specialist
(January - August 2023)

Internal Advisory Board 2023



Alison Buttenheim, PhD, MBA

Scientific Director, Center for Health Incentives & Behavioral Economics, Perelman School of Medicine
Professor, Family & Community Health, School of Nursing
Professor, Medical Ethics & Health Policy, Perelman School of Medicine
Director of Engagement, Leonard Davis Institute of Health Economics



Rachel Werner, MD, PhD

Executive Director, Leonard Davis Institute of Health Economics
Robert D Eilers Professor, Health Care Management & Economics, Wharton School
Professor, Medicine, Perelman School of Medicine



Raina Merchant, MD, MS

Chief Transformation Officer, Perelman School of Medicine
Director, Center for Digital Health, Perelman School of Medicine
Professor, Emergency Medicine, Perelman School of Medicine



John Kimberly, PhD

Henry Bower Professor Emeritus, Health Care Management, Wharton School



Patricia Sullivan, PhD

Chief Quality Officer, University of Pennsylvania Health System

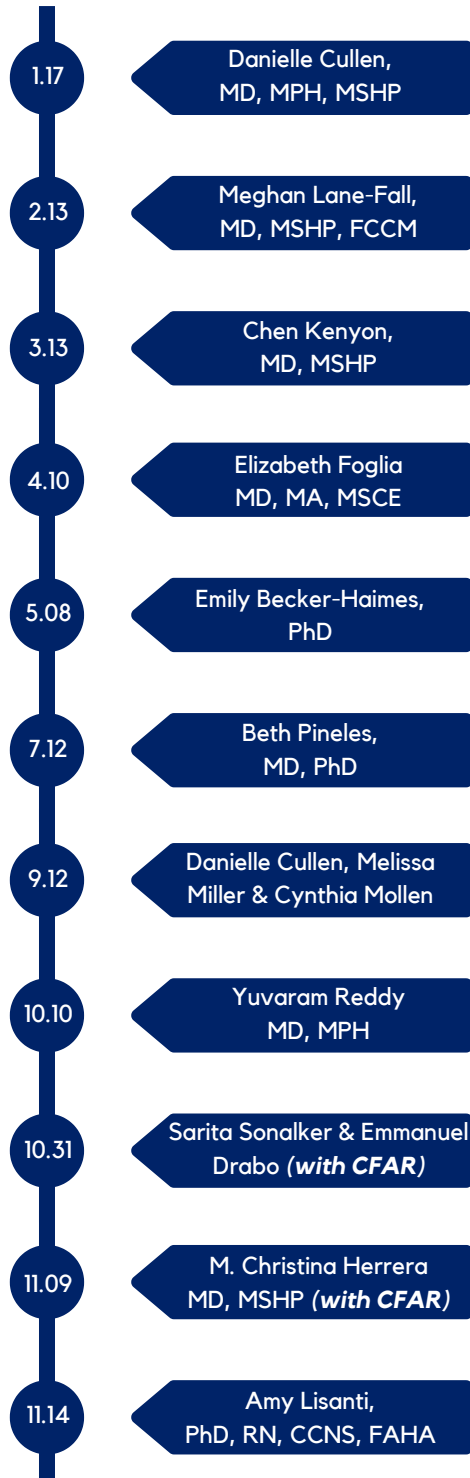


David Mandell, ScD

Professor, Psychiatry & Pediatrics, Perelman School of Medicine
Director, Center for Mental Health, Perelman School of Medicine
Associate Director, Center for Autism Research, CHOP

2023 Events

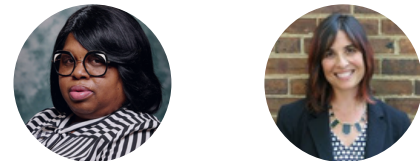
11 Works-In Progress Meetings



2 Fireside Chats



Conducting Equity-Oriented Work
with Dr. Katie Hoskins, Dr. Courtney Boen,
and Dr. Kevin A. Jenkins
on March 28, 2023
Watch the video [here](#)



Structural Intervention to Improve Population Health
with Nicole Thomas and Sara Solomon
on October 19, 2023
Watch the video [here](#)

1 Co-Sponsored Talk with iSPHERE



Implementation Science to End the HIV Epidemic in the US
with Dr. Dennis Li
on April 25, 2023
Watch the video [here](#)

2023 Events Continued

3 Virtual Invited Speakers



When Disasters are the Norm, Not the Exception: Implementation of Trauma Focused Interventions in Puerto Rico

with Dr. Rosaura Orengo-Aguayo
on February 1, 2023
Watch the video [here](#)



If You're Not at the Table, You're on the Menu: Reflections on Participatory Engagement at the Intersection of Theory and Practice

with Dr. Cynthia Gonzalez
on May 25, 2023
Watch the video [here](#)



Achieving the Promise of Precision Prevention Through Implementation Science

with Dr. Megan Clarke Roberts
on November 30, 2023
Watch the video [here](#)

2 Academy Health Dissemination & Implementation Conference Events

Pre-Conference Poster Presentation Practice
on December 6, 2023

Conference Happy Hour
on December 11, 2023

2 In-Person Events



Implementation Science at Penn: Past, Present, and Future

with Dr. John Kimberly and Dr. Karen Glanz
on June 22, 2023
Watch the video [here](#)



Implementation Networking Luncheon + Bridging Climate Change and Implementation Science

with Dr. Michael Mann
on September 13, 2023



Trainings & Programs

Over **650** people have been trained through PISCE's educational offerings since 2012.

In the Summer of 2023, PISCE trained **119 internal and external individuals** from around the country at the Implementation Science Institute (ISI).
This is a **9%** increase from 2022.

Our Certificate in Implementation Science program conducted 2 courses in 2023:

- IMP 6000 - 22 Students
- HPR 6210 - 6 Students
- HPR 6110 - ISI

Publications

72

Publications featured in the PISCE Newsletter in 2023. Click [here](#) to view our 2023 Newsletter Archive.

FY23 Grants at Penn

93

Active IS Grants

\$39 M

Direct costs

\$17 M

Indirect costs

PISCE Membership



886

Total members

395

Penn/CHOP members

67%

Increase since 2022

D&I Conference

For the 16th Annual Conference on the Science of Dissemination and Implementation in Health in December 2023, PISCE members were responsible for:

4

Practice poster presentations before the conference

6

Presentations during the conference

17

Poster presentations during the conference

First Cohort

During the summer and fall, the Penn Implementation Science Certificate Program welcomed its first cohort of **10** students.



To learn more about the certificate program, click [here](#).

The program requires students to complete 4 course units (CU):

- **IMP 6000** - Foundations in Implementation Science (1 CU)
- **IMP 6100** - Ethics and Equity in Implementation Science (1 CU)
- **IMP 6200** - Mixed Methods in Implementation Science (1 CU)
- **IMP 6300** - Project Development in Implementation Science (0.5 CU)
- **IMP 6400** - Practicum in Implementation Science (0.5 CU)
- **HPR 6210** - Advanced Topics in Implementation Science (0.5 CU)*

**students are also able to choose from a list of approved elective courses*

2023 ISI Participant Results Are In

Excellent course. I will recommend it to everyone interested in Implementation Science. Thank you!!

Having experts join and share their perspective was great.

Evaluation of a brief virtual implementation science training program: the Penn Implementation Science Institute

[Amelia E. Van Pelt](#) , [Christopher P. Bonafide](#), [Katharine A. Rendle](#), [Courtney Wolk](#), [Judy A. Shea](#), [Amanda Bettencourt](#), [Rinad S. Beidas](#) & [Meghan B. Lane-Fall](#)

Implementation Science Communications 4, Article number: 131 (2023) | [Cite this article](#)

850 Accesses | 5 Altmetric | [Metrics](#)

Abstract

Background

To meet the growing demand for implementation science expertise, building capacity is a priority. Various training opportunities have emerged to meet this need. To ensure rigor and achievement of specific implementation science competencies, it is critical to systematically evaluate training programs.

Click [here](#) to view the full paper.

Featured Projects



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

Dr. Yeon Soo Baik was awarded a K01 to study and evaluate the feasibility of implementing self-testing for active Tuberculosis (TB).



Adapting the Penny Chatbot for Perinatal OUD Patients: COPILOT

Dr. Sara Kornfield was awarded an R34 by adapting a chatbot, Penny COPILOT, to address both loneliness and engagement in perinatal and opioid use disorder (OUD) care among perinatal women.



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.



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.



Accelerating Equitable PrEP Delivery for Black Adults in Primary Care Settings: Development and Testing of A Practice-Level Multifaceted Implementation Strategy

Dr. Dovie Watson was awarded a K23 to design and test implementation strategies to support HIV pre-exposure prophylaxis (PrEP) provision for Black primary care patients.

Media Feature

\$19 Million from NIH Establishes Maternal Health Implementation Science Hub at Penn Medicine

Hub part of NIH initiative to establish Maternal Health Research Centers of Excellence, promoting maternal health equity

The National Institutes of Health (NIH) awarded a 7-year \$19 million grant for the creation of an implementation science hub, Achieving Maternal Equity and Transforming Health through Implementation Science and Training (AMETHIST@Penn), lead by Dr. Meghan Lane-Fall and Dr. Rebecca Hamm.

[Click here to read more in Penn Medicine News.](#)

Want to know more information about AMETHIST@Penn? Visit their website:

<https://www.med.upenn.edu/pisce/amethist/>

We thank you for your continued support of PISCE.

Contact Us

Penn Implementation Science Center

<https://www.med.upenn.edu/pisce/>

PISCE@pennmedicine.upenn.edu

Need a consult? Check out our one-on-one [consultation services](#)

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