

## Newsletter November 2022

Dear PISCE@LDI Community,

It was wonderful to see so many of you virtually at our talk with Dr. Christian Helfrich, “Overcoming challenges in de-implementing low-value care: Routines, asymmetry of outcomes, and psychological reactance,” a few weeks ago! We are grateful to [Dr. Helfrich](#) for his time and innovative contributions to our field. Should you have any questions for Dr. Helfrich, he has graciously provided [his email](#). Additionally, if you did not receive the materials from the talk but would like them, please email PISCE Coordinator, [Izzy Kaminer](#).

Our next talk—given by PISCE@LDI’s Executive Director and Director of Acute Care Implementation Research, Drs. [Meghan Lane-Fall](#) and [Amanda Bettencourt](#)—will focus on educational opportunities for implementation researchers both at Penn and elsewhere. Please see our Upcoming Events section below for more information.

In the meantime, join us Dec. 11-14<sup>th</sup> at the 15<sup>th</sup> Annual AcademyHealth/NIH Conference on Dissemination and Implementation in Health in Washington, D.C. [Dr. Kathleen Hall Jamieson](#) from the Annenberg School of Communication will be giving a keynote address entitled, “Minimizing public susceptibility to misinformation and its impact on behavior and health.”

Best wishes to you and yours,  
The PISCE@LDI Leadership Team

## Announcements

### WORKS IN PROGRESS MEETINGS

Works-in-Progress (WIPs) will be transitioning to a standing, monthly, in-person meeting (with a Zoom option) as of January 2023. ***These meetings will be held on the second Monday of every month from 12-1pm at LDI on Locust Walk (If Monday is a holiday, the WIP will be on Tuesday).***

If you are interested in presenting at a WIP meeting in the coming months, please fill out [this form](#). If you have any additional questions, please [email PISCE@LDI Coordinator, Izzy Kaminer](#).

WIP meetings provide an opportunity for scientists who are interested in adding an implementation science lens or aim(s) to their research projects to receive feedback from the PISCE@LDI community.

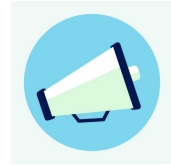
If there are no presenters for a scheduled WIP meeting by the week prior, one of the Directors will lead a discussion on recent topics in implementation science.

**As a reminder, these events are for our Penn/CHOP colleagues only. Lunch will be provided.**

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### NEW CFIR RELEASED

As you may be aware, the CFIR 2.0 framework was published in late October, and can be found [here](#). If you'd like feedback on incorporating the CFIR 2.0 framework into your research, consider signing up to present at a WIP meeting (see below).



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### IMPLEMENTATION SCIENCE CERTIFICATE

Apply for the Implementation Science Certificate! **The deadline for enrollment for Spring 2023 is January 20<sup>th</sup>, 2023.** Further details may be found [here](#). Current degree-enrolled students and nonstudents are both eligible to apply.

Please reach out the new program coordinator, [Kathryn \(Kate\) O'Boyle](#), to learn more!

## Events

## Educational Opportunities in Implementation Science

**DEC. 15TH, 2022 • 2-3 PM (ET)**

Join us as PISC@LDI Executive Director,  
**Dr. Meghan Lane-Fall** and our Director of  
Acute Care Implementation Research, **Dr.  
Amanada Bettencourt**, present on educational  
opportunities in the field.



**PLEASE REGISTER [HERE](#).**



**Meghan Lane-Fall, MD, MSHP, FCCM**

Executive Director, PISC@LDI  
Vice Chair of Inclusion, Diversity, and Equity, Department  
of Anesthesiology and Critical Care  
David E. Longnecker Associate Professor, Anesthesiology  
and Critical Care  
Associate Professor, Biostatistics, Epidemiology, and  
Informatics



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

Director of Acute Care Implementation Research,  
PISC@LDI  
President, American Association of Critical-Care Nurses  
(2022-2023)  
Assistant Professor, Department of Family and Community  
Health

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**Dr. Rosaura Orengo-Aguayo**  
**Wednesday, Feb. 1 from 11am-12pm**

We are thrilled to announce that [Dr. Rosaura Orengo-Aguayo](#),  
Associate Professor at the Medical University of South Carolina, will  
be joining us as our first invited speaker of 2023! Please look out for  
more information in the coming weeks on Dr. Orengo-Aguayo's talk.

**Newly Funded Grants with an Implementation  
Science Focus**

**Thibang Diphatlha: Testing adaptive strategies to close the gap from**

Drs. [Surbhi Grover](#) and [Katharine Rendle](#), in partnership with [Dr. Doreen Ramogola-Masire](#) and other colleagues at the University of Botswana, have been awarded funding from the National Cancer Institute to



study the effectiveness of adaptive strategies on timely treatment adoption for women with cervical cancer in Botswana. Delays and missed opportunities for timely treatment contribute significantly to global disparities in cervical cancer in low- and middle-income countries (LMICs) compared to high-income countries, yet little is known about how best to increase adoption of evidence-based cancer care in LMICs. This project will use a Sequential Multiple Assignment Randomized Trial (SMART) design and evaluate contextual mechanisms contributing to the success or failure of each adaptive strategy using qualitative comparative analysis. The adaptive strategies are designed to target individual- and system-level determinants identified in preliminary work and are supported by systematic evidence of the effectiveness of nudge strategies in clinical care. The primary implementation outcome will be adoption, defined as the initiation of treatment within 90 days. Secondary implementation outcomes include fidelity (i.e., completion of recommended treatment), reach, acceptability, implementation costs, and cancer and HIV-related clinical outcomes. The rationale for the study is that enhancing coordination, communication, and navigation through centralized outreach will both increase timely treatment adoption and be scalable and sustainable after the project is completed. The results of this project will yield fundamental knowledge about how to improve and sustain timely cancer care in Botswana, and, if successful, identify strategies that can be easily translated to address other areas of cancer control across LMICs.

## Featured Publications

Brunoni AR, Ekhtiari H, Antal A, Auvichayapat P, Baeken C, Benseñor IM, Bikson M, Boggio P, Borroni B, Brighina F, Brunelin J, Carvalho S, Caumo W, Ciechanski P, Charvet L, Clark VP, Cohen Kadosh R, Cotelli M, Datta A, Deng ZD, De Raedt R, De Ridder D, Fitzgerald PB, Floel A, Frohlich F, George MS, Ghobadi-Azbari P, Goerigk S, Hamilton RH, Jaberzadeh SJ, Hoy K, Kidgell DJ, Zonoozi AK, Kirton A, Laureys S, Lavidor M, Lee K, Leite J, Lisanby SH, Loo C, Martin DM, Miniussi C, Mondino M, Monte-Silva K, Morales-Quezada L, Nitsche MA, Okano AH, Oliveira CS, Onarheim B, Pacheco-Barrios K, Padberg F, Nakamura-Palacios EM, Palm U, Paulus W, Plewnia C, Priori A, Rajji TK, Razza LB, Rehn EM, Ruffini G, Schellhorn K, Zare-Bidoky M, Simis M, Skorupinski P, Suen P, Thibaut A, Valiengo LCL, Vanderhasselt MA, Vanneste S, Venkatasubramanian G, Violante IR, **Wexler A**, Woods AJ, Fregni F. (2022). [Digitalized transcranial electrical stimulation: A consensus statement](#). *Clin Neurophysiol*.

**Ullman AJ, Beidas RS, Bonafide CP.** (2022). [Methodological progress note: Hybrid effectiveness-implementation clinical trials](#). *J Hosp Med*.

Oh AY, Emmons KM, Brownson RC, Glasgow RE, Foley KL, Lewis CC, Schnoll R, Huguet N, Caplon A, Chambers DA. (2022). [Speeding Implementation in Cancer: The National Cancer Institute's Implementation Science in Cancer Control Centers](#). *J Natl Cancer Inst*.

**Bonafide CP**, Xiao R, Schondelmeyer AC, Pettit AR, Brady PW, Landrigan CP, **Wolk CB**, Cidav Z, **Ruppel H**, Muthu N, Williams NJ, Schisterman E, Brent CR, Albanowski K, **Beidas RS**; Pediatric Research in Inpatient Settings (PRIS) Network. (2022). [Sustainable deimplementation of continuous pulse oximetry monitoring in children hospitalized with bronchiolitis: study protocol for the Eliminating Monitor Overuse \(EMO\) type III effectiveness-deimplementation cluster-randomized trial](#). *Implement Sci*.

**Williamson AA**, Soehner AM, Boyd RC, Buysse DJ, Harvey AG, Jonassaint CR, Franzen PL, Goldstein TR. (2022). [A protocol for applying health equity-informed implementation science models and frameworks to adapt a sleep intervention for adolescents at risk for suicidal thoughts and behaviors](#). *Front Public Health*.

Okamura KH, Okamoto SK, Marshall SM, Chin SK, Garcia PM, Powell BJ, Stern KA, Becker SJ, **Mandell DS**. (2022). [Ho'ouna Pono implementation: applying concept mapping to a culturally grounded substance use prevention curriculum in rural Hawai'i schools](#). *Implement Sci Commun*.

## Training Opportunities and Conferences

**15th Annual Conference on the Science of Dissemination and Implementation in Health: (Re)Building Better Systems: Being Proactive, Nimble, and Responsive**

**Dates:** December 11-14, 2022

**Location:** Walter E. Washington Convention Center - Washington, DC

This year, the NIH and Academy Health Dissemination & Implementation (D&I) Conference will convene in-person for the first time since the COVID-19 pandemic with the theme (Re)Building Better Systems: Being Proactive, Nimble, and Responsive. This year's theme will build upon lessons learned about rapidly changing community health and clinical settings to envision new models for conducting D&I science that respond to the shifting needs of diverse systems and populations. Moreover, the conference will focus on developing flexible and rigorous methodologies to anticipate challenges and ongoing change. While the call for abstracts has closed, there is still time to register!

Registration information can be found [here](#). The standard registration deadline is Dec. 10<sup>th</sup>, with onsite registration available as well at an increased rate. [Click here to register](#).

**Dr. Kathleen Hall Jamieson** from the Annenberg School of Communication will be giving a keynote address entitled, “Minimizing public susceptibility to misinformation and its impact on behavior and health,” in **East Salon ABC (Level 1)** in the convention center from **10-10:20am on December 12th**.

[Click here](#) for a full schedule and list of presenters from University of Pennsylvania.



## Summer 2023

**Dates:** Thursdays from 12-2:50 PM, Summer Term II, 2023

**Location:** Online

This seminar course offers an opportunity for students to advance their understanding of the thorniest methodological challenges in implementation science. Broadly, topics include study design, study execution, and tensions in the field. The intention will be for attendees to directly apply their learnings to their ongoing or proposed implementation research. **This half-credit course is intended for those who have already been exposed to the foundational content of implementation science.** This can be achieved via HPR 6110, the Penn Implementation Science Institute, or other training opportunities (such as the NIH TIDIRH/TIDIRC or mentored K awards). **Prerequisites:** Must obtain permission by instructor. *This course is part of the IS certificate curriculum.*

***Admission is open to ALL. Penn tuition rates will apply for those who are not affiliated with Penn.***

**Course Directors:** Meghan Lane-Fall, MD, MSHP, FCCM

**Credit(s):** 0.5

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## Implementation Science Institute — Summer 2023

**Dates:** June 6-9th 2023 from 12-5pm Eastern

**Location:** Online

The purpose of the Implementation Science Institute is to provide participants with the tools to design and execute rigorous implementation science research. The Institute will introduce the foundations of implementation science (i.e., terminology, conceptual models and frameworks, study design). Students will also receive an overview of advanced topics including implementation strategies and sustainability. The course directors will cover tips for grant writing and skill development, with time dedicated to writing specific aims for Implementation Science grants. We will also explicitly describe how principles of implementation science can be applied to practical implementation efforts.

***Admission is open to ALL.***

Click [here](#) to sign up for the 2023 first-to-know list!

## Job Opportunities

### UCLA Fielding School of Public Health - Assistant Professor

The UCLA Fielding School of Public Health (FSPH) is conducting a search to fill an Assistant Professor position, which will research and teach on the development of community-driven interventions to improve the health of communities. This is for a tenure-track, full time, 9-month appointment. The new faculty member will hold an appointment in the Department of Community Health Sciences (CHS). CHS, one of five departments within FSPH, is primarily concerned with the social and behavioral sciences as applied to health, health promotion, and public health practice.

Candidates must be strongly committed to cutting-edge externally-funded research, high-quality teaching, and public service. Although the specific health

field and specialization is open, successful candidates will apply community-based evidence, strategy, theory, and creativity to promote behaviors, policies, and practices that advance the physical, mental, and/or social health and well-being of marginalized and minoritized communities. They are particularly interested in those who work in collaboration with community partners, including those who employ community-based participatory research. For more information about this position please [visit this site](#).

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