

## Letter from Rinad and Meghan

Dear PISCE@LDI community,

We are looking forward to the upcoming year and continuing to build our implementation science capacity together.

We'd like to celebrate a few of the accomplishments that we know about – as always, we love to hear about your success, so please let us know about the amazing things you all are doing.

First, Meghan Lane-Fall has been appointed PISCE@LDI Director of Acute Care Implementation Research. I am so thrilled that she has joined our leadership team to grow the implementation research portfolio in acute care research and I very much look forward to our work together over the coming years.

Second, a number of our members have recently been awarded funding to pursue implementation science including a NCI P50 (led by Drs. Robbie Schnoll, Justin Bekelman, and Rinad), an NHLBI R01 (led by Meghan), an NIMH R01 (led by Rinad), and a preparatory grant from the National Psoriasis Foundation (led by Dr. Joel Gelfand). Several career development awards were also awarded (NIMH – Dr. Heather Nuske, NICHD – Dr. Rebecca Hamm, Dr. Emily Greggory). Last but not least, Ms. Amy Van Pelt received an F31 from NICHD. See below for more information about recently awarded grants! Congrats to all.

Third, we look forward to “seeing” you all at our two upcoming works-in-progress meetings this fall. Please save the dates!

We hope to see you all and to hear from you about your successes and achievements.

Be well,  
Rinad and Meghan

### Upcoming PISCE@LDI Events

#### 11/05 PISCE@LDI Works-in-Progress Meeting

Rachel Shelton, ScD, MPH and Krisda Chaiyachati, MD, MPH, MSHP will be leading a facilitated discussion on health equity and implementation science.

Date: Thursday, 11/05

Time: 12-1pm

Location: Zoom link to be sent out closer to date

#### December PISCE@LDI Works-in-Progress Meeting

DATE TBD

Please contact Dr. Rinad Beidas at [rbeidas@upenn.edu](mailto:rbeidas@upenn.edu) if you are interested in presenting. As a reminder, this is a great opportunity to workshop a seedling of an idea, specific aims, or papers that you are working on.

### Upcoming External Events

## **Rapid Implementation Research into the COVID-19 Emergency in Stockholm, Sweden and Winter Preparations: Findings and Methods**

Sep 22, 2020 11:00 AM EST

Dr. John Øvretveit will discuss work described in his recent article published in the Society for Implementation Research Collaboration's new journal, Implementation Research and Practice (IRP). The webinar will be moderated by Dr. Sonja Schoenwald, Co-Editor-in-Chief of IRP. Dr. Øvretveit will describe a rapid implementation research project with the Stockholm health care system to assist the system to respond to the COVID-19 pandemic. It uses this example to illustrate some ways in which implementation research and knowledge can contribute to improving service responses to the pandemic and its consequences as these evolve over the coming months. A sub-specialty of rapid implementation science is proposed to provide practical assistance and as one way to develop implementation research. The full text of his article can be found [here](#).

To register: [https://us02web.zoom.us/webinar/register/WN\\_VvzGTpkuTly5wGJBM8-cWw](https://us02web.zoom.us/webinar/register/WN_VvzGTpkuTly5wGJBM8-cWw)

Register now for the [13<sup>th</sup> Annual Conference on the Science of Dissemination and Implementation in Health](#), to be held virtually December 14<sup>th</sup>-16<sup>th</sup>, 2020.

**2020 Conference Theme:** Dissemination and Implementation Science in a Dynamic, Diverse, and Interconnected World: Meeting the Urgent Challenges of our Time

### **Call for Abstracts**

Please consider submitting an abstract to the [2021 Evidence and Implementation Summit](#), to be held March 30<sup>th</sup>-31<sup>st</sup>, 2021.

EIS2021 will now be offered as a hybrid event, with full online and in-person programs in Sydney, Australia bringing together a wide network of global contributors and registrants regardless of location. Your contribution, if selected, will be available to both the in-person audience and to the vibrant and diverse global network of Summit attendees participating online. We encourage proposals for presentations that use non-traditional formats, such as chat shows (without slides), fishbowl conversations, and other formats allowing greater audience engagement, particularly if are considering an online presentation.

### **Summit Themes:**

- Fast, good, cheap - choose two! Generating and implementing rigorous policy and practice-ready evidence
- Context counts: translation, adaptation and transportability of evidence across people, place, culture and systems
- Core competencies for evidence synthesis, translation and implementation practice and science
- Innovation in implementation science, evaluation design, evidence synthesis, scaling up
- Building a better future: Systems change for complex problems such as poverty, inequality, climate change, mass migration

**Submission deadline:** Tuesday, October 6<sup>th</sup>, 2020

### **Newly Funded Grants**

**Handoffs and transitions in critical care – Understanding scalability**

Meghan Lane-Fall, MD was awarded a R01 grant to study the implementation of a standardized handoff protocol in adult and pediatric ICUs. While standardized post-surgical handoffs is an intervention deemed high priority by the American Heart Association, there is inconsistent adoption of this by hospitals. This pragmatic Hybrid Type 2 effectiveness-implementation study will have a dual focus on demonstrating improvements in both short-term patient outcomes and implementation outcomes. The proximate goal of this work is to determine effective approaches to implementation for complex sociotechnical interventions in acute care settings. The longer-term goal is to use this approach to promote the uptake and sustained use of proven-effective interventions in the care of patients with acute cardiopulmonary failure.

#### **[Penn Medicine Receives \\$4.9 Million Grant to Improve Uptake of Cancer Care Best Practices](#)**

Rinad Beidas, PhD, Justin Bekelman, MD, and Robert Schnoll, PhD received funding from the National Cancer Institute to use implementation science and behavioral economics to increase use of evidence-based practices in cancer care, with health equity as a focus across all projects. Penn becomes the 7<sup>th</sup> Implementation Science Center in Cancer Control (ISC<sup>3</sup>) funded by the NCI as part of the Cancer Moonshot.

#### **[Penn Medicine Receives \\$3.6 Million National Institute of Mental Health Grant for Firearm Safety Research](#)**

Rinad Beidas, PhD received funding from the NIMH to study two different approaches for implementing the SAFE Firearm program, an evidence-based program that involves brief counseling and providing a free cable lock to parents if they would like one, in pediatric primary care. This grant will build on previous research conducted in partnership with the Mental Health Research Network.

#### **CP3 Study: Cardiovascular Prevention for Psoriasis and Psoriatic Arthritis**

Joel Gelfand, MD, MSCE received a grant from the National Psoriasis Foundation to improve implementation of preventive cardiovascular care with a focus on the use of statins per guidelines for patients with psoriasis and psoriatic arthritis. This research will aim to leverage implementation science to shift screening for, and management of, dyslipidemia from primary care physicians to the specialists who mostly care for patients with psoriatic disease, dermatologists and rheumatologists.

#### **Reducing challenging behaviors in children with autism through digital health**

Heather Nuske, PhD was awarded a K23 grant to develop and pilot test a personalized mobile-health emotion regulation app that will pair heart rate tracking with digital tools to support teachers' use of evidence-based practices with children with autism spectrum disorder. Challenging behaviors caused by emotion dysregulation are very difficult to predict, but new advances in technology could utilize physiological indices to measure when emotion dysregulation is occurring and help predict when challenging behavior is about to occur. As part of this grant, Dr. Nuske will evaluate the acceptability, feasibility, and appropriateness of the app by conducting interviews and observations, use rapid-cycle prototyping to refine the app, and then conduct a randomized waitlist field trial to test the app.

#### **Preparing for use of a computerized battery to identify neurocognitive impairments among HIV-affected youth in Botswana**

Amy Van Pelt was awarded a F31 training award that will help to lay the foundation for implementing the Penn Computerized Neurocognitive Battery (CNB) in Botswana. This research will aim to evaluate whether the CNB can distinguish between children living with HIV with and without functionally-significant neurodevelopmental deficits, assess the acceptability of the CNB among youth, and identify essential elements for the effective use of the CNB in clinical settings.

### **A standardized labor induction protocol to reduce primary cesarean and racial disparities in labor outcomes: A prospective cohort study**

Rebecca Feldman Hamm, MD was awarded a K23 grant to study the effectiveness of a standardized labor protocol. Using protocols to standardize care has been shown to decrease adverse outcomes as well as reduce racial disparities in health care by reducing care variation across medicine. As part of this grant, Dr. Feldman Hamm will compare obstetric outcomes pre- and post-implementation of the labor induction protocol into routine care at two diverse sites, determine if the induction protocol reduces racial disparities in key obstetric outcomes, and utilize mixed methods to understand acceptability, penetration, and fidelity of the induction protocol.

### **The role of pediatric interconception care in preventing adverse birth outcomes**

Emily Gregory, MD, MHS was awarded a K23 grant to leverage existing contact between pediatric health systems and new mothers by utilizing a pediatric-based nurse intervention to reduce preterm births. Many interconception women with a history of preterm birth do not receive preventive health care but do have frequent contact with pediatric health systems in their roles as mothers. Dr. Gregory will conduct a pilot pragmatic randomized trial to evaluate if nurse care coordination, in addition to embedded motivational interviewing, can increase the receipt of preventive care.

### **Training Opportunities**

#### **[Postdoctoral Fellowship in Implementation Research in Mental Health and Substance Abuse Treatment](#)**

The [Penn Center for Mental Health \(CMH\)](#) at the University of Pennsylvania Perelman School of Medicine invites applications for post-doctoral fellowships. We have two fellowship positions available through our NIMH funded T32, The Academic-Community Experience (ACE): A postdoctoral training fellowship in implementation science to promote mental health. Each T32 fellow will be assigned one of the following mentors, depending on their interests: Rinad Beidas, PhD; Hilary Bogner, MD, MSCE; Dianne Chambless, PhD; David Mandell, ScD; Steven Marcus, PhD; or David Oslin, MD. These experienced mentors will guide T32 fellows in developing an independent research agenda.

**Appointment:** Summer or fall 2021. Appointments are for one year, with the second year conditional upon the renewal of our training grant from the National Institute of Mental Health.

**Applications:** [Click here to submit application](#). Please submit your application by October 15<sup>th</sup>, 2020 for full consideration.

#### **[Postdoctoral Cancer Research Training Award \(CTRA\) Fellowship](#)**

The [National Cancer Institute's Implementation Science Team \(IS\)](#) invites applications from qualified candidates for a postdoctoral Cancer Research Training Award (CRTA) fellowship. The CRTA post-doctoral fellow will function as a member of the IS team to advance research priorities, particularly in implementation science approaches to advance health equity, innovative methodologies, community engagement, and policy implementation.

Application materials should be submitted via email to Arline Sanchez at [arline.sanchez@nih.gov](mailto:arline.sanchez@nih.gov).

Letters will be considered until the position is successfully filled. The earliest possible start date is October 1, 2020. This position is a one-year, full-time CRTA fellowship with a possibility for renewal.

## **Job Opportunities**

### **Improvement and Implementation Science Faculty Position**

Cincinnati Children's Hospital Medical Center and the Department of Pediatrics at the University of Cincinnati College of Medicine are searching for individuals with expertise in Improvement and/or Implementation Science. We wish to recruit a senior faculty leader with a strong record of action-oriented health care quality research, a desire to lead a multidisciplinary program, and a commitment to improving health, care and education. This individual will hold an academic appointment as an associate professor or professor in the James M. Anderson Center for Health Systems Excellence. The role is anticipated to include independent research, as well as serving as a core resource for health system quality research, improvement, innovation and education across the institution. We seek a mid to senior career investigator with a strong track record in health systems research, with an emphasis on any of the following areas: systems improvement and quality, safety, co-production and engagement, equity in health care quality, clinical informatics, management engineering, including an ongoing funded research program. Leadership opportunities are possible for candidates with considerable academic experience. Successful candidates will have a PhD and/or MD, a demonstrated record of high-quality peer-reviewed publications, and external funding.

**For more information and to apply:** <https://jobs.cincinnatichildrens.org/search/jobdetails/associate-professor---anderson-center/51aa3c4f-7411-479d-80ab-15f6b4718864>

**For questions:** Contact Dr. Peter Margolis, James M. Anderson Center Director (Peter.Margolis@cchmc.org) and Debbie Mancini, Physician Faculty Recruiter (Deborah.Mancini@cchmc.org)

**Deadline:** December 1, 2020

### **Featured Publication**

Triebwasser, J. E., Janssen, M. K., Hirshberg, A., & Srinivas, S. K. (2020). [Successful implementation of text-based blood pressure monitoring for postpartum hypertension](#). *Pregnancy Hypertension: An International Journal of Women's Cardiovascular Health*.