

## Letter from Rinad and Meghan

Dear PISCE@LDI community,

We held a special WIP meeting last month highlighting the intersection of health equity and implementation science with approximately 80 attendees. Thanks to Dr. Ana Baumann for her thought provoking presentation and to the Penn Center for Mental Health for co-sponsoring her talk.

We want to spotlight some upcoming PISCE@LDI activities that we hope you attend!

- **February 26<sup>th</sup> from 12-1PM:** PISCE@LDI is co-sponsoring a talk by [Dr. Anne Sales](#). Her talk will focus on implementation science and economics.
- **March 15<sup>th</sup> from 12-1PM:** PISCE@LDI **Works-in-Progress** meeting
  - **Presenters:**
    - Julie Szymczak and Elle Saine presenting on their manuscript: *Incorporating Stigma into Implementation Science: Linking Societal Influence to the Clinical Encounter to Understand Inequities in Healthcare Delivery*
    - Liza Behrens presenting on her AHRQ K01 specific aims
- **April 22<sup>nd</sup> from 12-1PM:** PISCE@LDI and the Penn Center for AIDS Research (CFAR) will co-host a talk by [Dr. Sarit Golub](#). Her talk will focus on implementation science and ending the HIV epidemic. Her work was mentioned in the NYT daily summary on 2/12!
- **April 26<sup>th</sup> (time TBD):** PISCE@LDI is co-sponsoring a talk by [Dr. Geoff Curran](#). His talk will focus on hybrid designs and methods related issues.
- **June 7-11<sup>th</sup>:** MsHP PISCE@LDI [Penn Implementation Science Institute](#) (ISI). Please encourage trainees and colleagues interested in implementation science training to sign up.

As always, we hope to hear from you about your successes and achievements. Check out our updated webpage if you get a chance (thanks LDI!): <https://ldi.upenn.edu/implementation-science>

Be well,  
Rinad and Meghan

# PISCE@LDI

Penn Implementation Science Center  
@ The Leonard Davis Institute

**YEAR-IN-REVIEW:  
2020**

## [2020 Year in Review](#)

[Click here to read our 2020 year in review.](#)

## [Spotlight on PISCE@LDI Member](#)



### **Rebecca Feldman Hamm, MD**

Dr. Feldman Hamm is a Physician in Maternal Fetal Medicine at Penn Medicine and an Assistant Professor of Obstetrics and Gynecology at Pennsylvania Hospital. We are very excited to spotlight Dr. Feldman Hamm as the PISCE@LDI member of the month for February. In the following conversation with Dr. Feldman Hamm, we learn more about her background and interests within implementation science.

**PISCE@LDI:** Please tell us a little bit about yourself.

**Dr. Feldman Hamm:** I am an Assistant Professor of Obstetrics & Gynecology at Penn, in the Division of Maternal Fetal Medicine, and I am working to develop my skills as an implementation scientist, not only for my own work, but to help advance OBGYN as a whole. Clinically, I spend a lot of my time on labor and delivery, taking care of inpatient women with complicated pregnancies. In research, I am studying implementation of evidence-based practices on labor and delivery in general, and specifically standardizing the management of anemia during pregnancy, obstetric hemorrhage, and labor induction, with the goal of reducing racial and ethnic disparities in obstetric morbidity. This work around labor induction is currently funded by a K23 from the NICHD. Other important parts of my career include: co-chair of the OB Quality Improvement Committee at PAH, chair of the Task Force for Diversity Equity and Inclusion for the Maternal Child Health Research Center at Penn, and co-organizer of the Implementation Science for Maternal Health Interest Group.

**PISCE@LDI:** How did you become interested in implementation science?

**Dr. Feldman Hamm:** HPR 611 - Rinad and Meghan's amazing course on Implementation Science in Health, truly changed my life. Before that, I thought I was doing implementation work, without ever knowing there was a science behind it. I knew there was so much evidence in obstetrics that wasn't being used in routine care. Finding the methods, frameworks, and study designs of implementation science made me feel like I was finding a missing piece! I also found incomparable mentorship in Rinad and Meghan, who have given me the confidence to feel like I could make this field my career.

**PISCE@LDI:** What excites you most about pursuing a research agenda in implementation science?

**Dr. Feldman Hamm:** As you might imagine from my experiences, I have been most impacted by the explicit focus on context, and the rigorous methods available to build strategies based on contextual determinants in order to enhance implementation success—thereby improving patient outcomes—in each setting. The thing that is most exciting to me right now is the increasing focus on enhancing health equity through implementation science. While there has been substantial mounting evidence of disparities that exist in healthcare, and the negative consequences of this, implementation science lends tools to help reduce the disparities and develop and scale effective innovations. I am excited to continue to learn from leaders in the field how we can work to advance health equity research through implementation science.

## Newly Funded Grants with an Implementation Science Focus



### **Leveraging implementation and behavioral science to reduce harmful overuse of diagnostic testing in critically ill children**

Under a mentorship team that included Dr. Judy Shea, Dr. Chris Bonafide, and Dr. Rinad Beidas, Dr. Charlotte Woods-Hill has been awarded this K23 from NHBLI. Using cognitive bias and the CFIR framework, she will investigate determinants of overuse of testing for bacterial infections in the pediatric intensive care unit, and then develop and test strategies for reducing overuse in a pilot hybrid trial. The ultimate goal is to reduce unintended harm to fragile pediatric ICU patients from unnecessary tests and treatments.



### **I-TRANSFER: Improving TRansitions AND outcomeS OF sEpsis suRvivors**

Kathryn Bowles and colleagues have been awarded a new 5-year R01 study from the National Institute of Nursing Research to identify, understand and develop strategies for overcoming barriers to the implementation of effective clinical interventions. Specifically, I-TRANSFER is designed to address several

barriers and gaps that may jeopardize the implementation of early post-acute surveillance among sepsis survivors.

## Training Opportunities

### **Implementation Theory and Application in Health Care PhD course, Linköping University, Sweden**

The Department of Health, Medical and Caring Sciences (HMV) at Linköping University organizes a PhD-level course in implementation science (5 credits). The acclaimed course is given for the 11th consecutive year in the Autumn 2021.

The course provides a broad introduction to the field of implementation science, its history, development, terminology, theoretical foundation and empirical studies. The overall aim is to achieve improved understanding of the challenges of implementing new practices in health care and the wider welfare sector.

You can read more about the course at our webpage: <https://liu.se/en/research/implementation>

### **Children's Mental Health Policy Research Fellowship, The IDEAS Center (an NIMH-funded ALACRITY Center)**

Though EBP's exist to treat youth with mental health problems, only 50% get needed services, and far fewer get evidence-based care. The reasons for this are many, but one of the drivers is the limited use of research evidence in state and federal policymaking processes. As such, The IDEAS Center and The Implementation Research Institute are teaming up to offer a two-year policy research fellowship in children's mental health.

To apply, visit: <http://iristl.org/apply>. Applications are due February 26, 2021. To help ensure the vitality and diversity of the children's mental health services research workforce, IDEAS especially encourages members of underrepresented minority groups to apply. Questions? Email Ms. Stacey McCrary ([iri@brownschool.wustl.edu](mailto:iri@brownschool.wustl.edu)).

### **HIV, Infectious Disease, and Global Health Implementation Research Institute (HIGH IRI) at Washington University in St. Louis.**

As you know, human suffering caused by infectious diseases continues to affect the planet, even though we have highly efficacious interventions to prevent and treatment a range of these conditions. It is time to accelerate an implementation research agenda to close these gaps.

The HIGH IRI is a two-year program that will seek to meet this need through delivering world class training and mentoring in implementation research related to infectious diseases. We seek trainees who plan a scholarly career carrying out knowledge generation as their main professional occupation.

The HIGH-IRI will be co-led by Drs. Elvin Geng and Ross Brownson. The program will confer skills in conceiving of, designing, executing and obtaining funding for implementation research addressing infectious diseases around the world.

In addition, the program aim is to offer the opportunity for trainees to form strong professional networks among themselves and with the faculty that will act as sustainable professional and scientific resource.

**This program has no cost, but there is a competitive application process.** Interested applicants can apply through our program website at <https://sites.wustl.edu/highiri/>. For further information, please feel free to contact the Program Coordinator, **Alissa Hanten** at [highiri@wustl.edu](mailto:highiri@wustl.edu).

### **Implementation Research Institute (IRI)**

The IRI is currently accepting applications for the 2021-2022 two-year fellowship opportunity, funded by NIMH and the VA. **Note: These slots are contingent upon continued NIMH and VA funding.** Should we receive funding, the new cohort will be notified mid-May, with a two-day virtual kick-off the week of June 28th, with a tentative 2-3 day in-person meeting in Fall, 2021.

**What is the IRI?** The Implementation Research Institute (IRI) is an exciting learning collaborative of implementation researchers funded by the National Institute of Mental Health (NIMH) and the Department of Veterans Affairs (VA). This unique interdisciplinary training program aims to help researchers launch a research career in implementation science in mental health. The IRI provides experiential learning, didactic training, faculty mentoring, and support for grant writing—all focused on helping participants shape a research project for competitive external funding.

The IRI was established to advance the field of implementation science in mental health by enhancing the career development of investigators new to this field. Implementation research is the study of processes for integrating empirically supported treatments (ESTs) into usual care, and holds high promise for reducing the gap from treatment discovery to community practice. IRI participants will join a learning collaborative of implementation researchers for two years, spending one week each summer at a week-long institute at the **Center for Mental Health Services Research (CMHSR)** at Washington University in St. Louis, and receiving individualized mentoring to help them shape a research agenda in implementation science and prepare a competitive research grant proposal.

**Who should apply?** We invite applications from ambitious PhD or MD investigators, with demonstrated experience and enthusiasm in the study of mental health services, who wish to conduct ground-breaking research in the area of implementation science. Our IRI will support a cohort of participants who seek expert mentoring and collaboration to advance their research capacity in areas referenced by NIH PARs on “Dissemination and Implementation Research in Health (PAR-18-007). *Minority applicants are strongly encouraged to apply.*

***The IRI is supported by the National Institutes of Health grant 2R25MH08091606***

**DEADLINE FOR APPLICATIONS IS FEBRUARY 26, 2021**

## Job Opportunities

### **Assistant or Associate Professor in the Implementation Science Core, Department of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University**

The successful candidate must qualify for a full-time faculty position at the rank of Assistant or Associate Professor in the Department of Psychiatry and Human Behavior at The Warren Alpert Medical School of Brown University. Minimum requirements include a doctoral degree (e.g. Ph.D., M.D.) and substantial experience and training in dissemination and implementation science. It is preferred that the candidate's training and research experience focus on health services research, clinical psychology, public health, behavioral health science, social work, psychology, or related fields. Experience in conducting research and teaching in dissemination and implementation science is required. It is preferred that the candidate's research experience focus on the implementation of or the evaluation of evidence-based practices in mental health settings, or a closely related field. I would appreciate your help in making this vacancy known to any qualified and available individuals.

The Implementation Science Core in the Department of Psychiatry and Human Behavior was launched in 2018 and collaborates with the other Cores within the Department, including the Quantitative Science Program (QSP) and Qualitative Science and Methods Training Program (QSMTP), to foster the translation, spread, and scale-up of evidence-based practices into routine clinical care. The Faculty position involves a full-time academic appointment within the Department of Psychiatry and Human Behavior's Implementation Science Core. The Faculty member will be actively engaged in providing D&I consultation, serving as a Co-Investigator on D&I grants (and a Co-Mentor for Career Development Awards), developing and participating in the Core's educational activities, such as seminars and workshops, and creating their own research portfolio federally-funded dissemination and implementation science studies.

Brown University is an EEO/AA employer and encourages applications from minorities, and women. Review of applications will begin immediately and will continue until the position is filled or the search is closed. **Please apply online at <http://apply.interfolio.com/83689>.**

### **Assistant/Associate/Full Member Faculty Position in Dissemination and Implementation Science, Fred Hutchinson Cancer Research Center**

#### **Job Description**

The Cancer Prevention Program at Fred Hutchinson Cancer Research Center is seeking a candidate in dissemination and implementation science for a full-time faculty member at the Assistant, Associate or Full Professor level. We invite candidates whose research is focused on cancer-related dissemination and implementation science. Areas of research interest include developing and testing dissemination or implementation strategies, observational studies of real-world dissemination or implementation, hybrid implementation-effectiveness trials, and research on barriers and/or facilitators to disseminate and implement evidence-based practices across the cancer care continuum.

Candidates should have experience with a variety of implementation theories, models and frameworks or those commonly used in behavioral, communication, organizational sciences, or related fields as they

apply to dissemination and implementation research. Candidates should also have experience with a variety of evaluative and data analysis methods. Candidates who study social, behavioral, economic, and management factors that impact implementation of evidence-based cancer-related health interventions will be highly valued. The successful candidate will develop an independent research program within our collaborative, multidisciplinary environment.

Applicants must have a research or clinical doctorate (e.g., PhD, MD or equivalent degree) with training in anthropology, behavioral science, behavioral economics, communication, decision sciences, psychology, organization behavior, sociology, or other related fields and a focus on dissemination and implementation science. Candidates with relevant research experience as evidenced by peer-reviewed publications and research funding success will be prioritized.

### **Research Environment**

The mission of the Fred Hutchinson Cancer Research Center is the elimination of cancer and related diseases as causes of human suffering and death. The Fred Hutch conducts research of the highest standards to improve prevention and treatment of cancer and related diseases. At Fred Hutch, we believe that the innovation, collaboration, and rigor that result from diversity and inclusion are critical to our mission of eliminating cancer and related diseases. We seek employees who bring different and innovative ways of seeing the world and solving problems. Fred Hutch is in pursuit of becoming an antiracist organization. We are committed to ensuring that all candidates hired share our commitment to diversity, antiracism, and inclusion.

Fred Hutch's Division of Public Health Sciences is home to an extensive portfolio of population sciences research, large biospecimen and data repositories, a SEER cancer registry, a prevention center with an exercise research facility and a research kitchen, and a large multidisciplinary faculty who conduct observational and intervention research across the cancer control continuum. Fred Hutch, together with the University of Washington, Seattle Children's, and the Seattle Cancer Care Alliance, is an NCI-designated Comprehensive Cancer Center with active training programs for graduate students and postdoctoral fellows. Fred Hutch has an active Office of Community Outreach and Engagement, which also oversees the Center for Community Health Promotion in the Lower Yakima Valley in central Washington state. Opportunities exist for joint and/or affiliate appointment in Fred Hutch's Divisions of Clinical Research, Human Biology, Basic Sciences, or Vaccine and Infectious Disease, as well the University of Washington, depending on mutual interest.

### **Application Instructions**

Candidates should submit a:

- 1) Cover letter
- 2) Curriculum Vitae
- 3) Research statement (including future research plans and career goals)
- 4) Three letters of reference
- 5) Diversity statement [describing your past contributions to diversity, equity, and inclusion and your future plans for continuing these efforts as a faculty member (diversity statement should be one page or less)]

Review of applications will begin immediately and continue until the position is filled.

Job Link: <https://apply.interfolio.com/73202>

## Featured Publications

1. Kuriyan, A., Kinkler, G., Cidav, Z., Kang-Yi, C., Eiraldi, R., Salas, E., & Wolk, C. B. (2021). [Team strategies and tools to enhance performance and patient safety \(TeamSTEPPS\) to improve collaboration in school mental health: Protocol for a mixed methods hybrid effectiveness-implementation study](#). *JMIR Research Protocols*.
2. Williams, N. J., Candon, M., Stewart, R. E., Byeon, Y. V., Bewtra, M., Bittenheim, A. M., Zentgraf, K., Comeau, C., Shoyinka, S., & Beidas, R. S. (2021). [Community stakeholder preferences for evidence-based practice implementation strategies in behavioral health: A best-worst scaling choice experiment](#). *BMC Psychiatry*.
3. Klaiman, T., Silvestri, J. A., Srinivasan, T., Szymanski, S., Tran, T., Oredoko, F., Sjoding, M. W., Fuchs, B. D., Maillie, S., Jablonski, J., Lane-Fall, M. B., & Kerlin, M. P. (2021). [Improving prone positioning for severe acute respiratory distress syndrome during the COVID-19 pandemic. An implementation-mapping approach](#). *Annals of the American Thoracic Society*.
4. Hamm, R. F., Levine, L. D., Nelson, M. N., & Beidas, R. (2021). [Implementation of a calculator to predict cesarean during labor induction: A qualitative evaluation of the clinician perspective](#). *American Journal of Obstetrics & Gynecology Maternal-Fetal Medicine*.
5. Last, B. S., Schriger, S. H., Timon, C. E., Frank, H. E., Bittenheim, A. M., Rudd, B. N., Fernandez-Marcote, S., Comeau, C., Shoyinka, S., & Beidas, R. S. (2021). [Using behavioral insights to design implementation strategies in public mental health settings: A qualitative study of clinical decision-making](#). *Implementation Science Communications*.
6. Hicks, J. K., El Roubay, N., Ong, H. H., Schildcrout, J. S., Ramsey, L. B., Shi, Y., Tang, L. A., Aquilante, C. L., Beitelshees, A. L., Blake, K. V., Cimino, J. J., Davis, B. H., Empey, P. E., Kao, D. P., Lemkin, D. L., Limdi, N. A., Lipori, G. P., Rosenman, M. B., Skaar, T. C., Teal, E., ... Peterson, J. F. (2021). [Opportunity for genotype-guided prescribing among adult patients in 11 U.S. health systems](#). *Clinical Pharmacology and Therapeutics*.
7. Wolk, C. B., Alter, C. L., Kishton, R., Rado, J., Atlas, J. A., Press, M. J., Jordan, N., Grant, M., Livesey, C., Rosenthal, L. J., & Smith, J. D. (2021). [Improving payment for collaborative mental health care in primary care](#). *Medical Care*.
8. Wolk, C. B., Schondelmeyer, A. C., Barg, F. K., Beidas, R., Bettencourt, A., Brady, P. W., Brent, C., Eriksen, W., Kinkler, G., Landrigan, C. P., Neergaard, R., Bonafide, C. P., & Pediatric Research in Inpatient Settings (PRIS) Network (2021). [Barriers and facilitators to guideline-adherent pulse oximetry use in bronchiolitis](#). *Journal of Hospital Medicine*.
9. Hamm RF, Iriye BK, Srinivas SK. [Implementation science is imperative to the optimization of obstetric care](#). *American Journal of Perinatology*.

10. Taylor, S. P., Short, R. T., Asher, A. M., Taylor, B., & Beidas, R. S. (2020). [A rapid pre-implementation evaluation to inform a family engagement navigator program during COVID-19.](#) *Implementation Science Communications*.
11. George, M., Bruzzese, J. M., Lynn S Sommers, M., Pantaloni, M. V., Jia, H., Rhodes, J., Norful, A. A., Chung, A., Chittams, J., Coleman, D., & Glanz, K. (2020). [Group-randomized trial of tailored brief shared decision-making to improve asthma control in urban black adults.](#) *Journal of Advanced Nursing*.
12. Siegel, S. D., Laurenceau, J. P., Hill, N., Bauer, A. M., Flitter, A., Ziedonis, D., Stevens, N., Hosie Quinn, M., Leone, F., Beidas, R., Kimberly, J., & Schnoll, R. A. (2021). [Assessing barriers to providing tobacco use disorder treatment in community mental health settings with a revised version of the Smoking Knowledge, Attitudes, and Practices \(S-KAP\) instrument.](#) *Addictive Behaviors*.
13. Rudd, B. N., Davis, M., & Beidas, R. S. (2020). [Integrating implementation science in clinical research to maximize public health impact: A call for the reporting and alignment of implementation strategy use with implementation outcomes in clinical research.](#) *Implementation Science*.
14. Wainberg, M. L., Gouveia, M. L., Stockton, M. A., Feliciano, P., Suleman, A., Mootz, J. J., Mello, M., Fiks Salem, A., Greene, M. C., Bezuidenhout, C., Ngwepe, P., Lovero, K. L., Fortunato Dos Santos, P., Schriger, S. H., Mandell, D. S., Mulumba, R., Neves Anube, A., Mabunda, D., Mandlate, F., Cournos, F., ... Weissman, M. M. (2020). [Technology and implementation science to forge the future of evidence-based psychotherapies: The PRIDE scale-up study.](#) *Evidence-Based Mental Health*.