



BROWN
Alpert Medical School

**Clinical Psychology Training Programs at Brown: A Consortium of the
Providence VA Medical Center, Lifespan, and Care New England
Postdoctoral Fellowship Training Program
Postdoctoral Fellowship Description: RESEARCH FOCUS**

Title: Postdoctoral Fellowship in Implementation Science

APA-accredited: ___ YES ___ X ___ NO

Site: Brown University

Supervisor(s): A. Rani Elwy, PhD (Primary Supervisor)

Description of Site

The proposed training will be carried out as part of the Implementation Science Core within the Department of Psychiatry and Human Behavior and located at Butler Hospital. The DPHB is a department of the Warren Alpert Medical School of Brown University. The Implementation Science Core collaborates with other DPHB Cores, the Quantitative Science Program and Qualitative Science and Methods Training Program, to foster the translation, spread, and scale-up of evidence-based practices into routine clinical care.

The Implementation Science Core faculty host regular office hours each week to work with faculty across the six Brown-affiliated hospitals (including Providence VAMC), along with psychiatry residents and clinical psychology interns and fellows, to 1) provide consultation on dissemination and implementation (D&I) science models, theories and frameworks to guide studies, 2) develop qualitative and quantitative methods specific to D&I science research questions (such as formative evaluations, stakeholder engagement methods, implementation strategies, hybrid designs, etc.) and 3) serve as co-investigator on projects as the implementation science expert. Faculty in the Implementation Science Core collaborate with DPHB colleagues on numerous funded projects from NIH, CDC, PCORI and others, including examining feasibility, acceptability and sustainability of interventions to prevent suicide, addressing alcohol misuse in HIV prevention and care, implementation of a toolkit for optimal recovery after orthopedic injury, and packaging and dissemination of a pediatric weight management intervention for low-income communities. The Implementation Science Core is also a component of the Rhode Island-wide Advance Clinical and Translational Research Center (Advance-CTR), funded by NIGMS.

In addition to specific consultations, the Implementation Science Core provides two different educational sessions for DPHB faculty, residents, fellows and interns: 1) a six-week fundamentals of D&I science series, held each semester; and 2) intermediate level workshops on D&I science, held twice per semester. Additional workshops are held each year for the T32 training program in clinical psychology and QSMTP. The Implementation Science Core also hosts an annual D&I Forum, where individual faculty projects are highlighted, and which culminates in a Grand Rounds lecture given by an invited, internationally-known researcher in D&I science.

Fellowship Aims

1. To provide the fellow with broad post-doctoral training in the area of implementation science as it pertains to the uptake and adoption of evidence-based practices within clinic and

community-based settings. Fellows will be able to select which studies they are involved in, of those in which Implementation Science Core faculty are currently working.

2. To provide the fellow with a strong working knowledge of implementation science research as related to adopting evidence-based practices in clinic and community settings. Fellows will participate in didactic trainings and hands-on group experiences to gain implementation science expertise, through Advance CTR.
3. To provide the fellow with research training and experience in preparation for a research career combining implementation science with dissemination of evidence-based practices. Fellows will participate in the Research Fellow Program Academic Friday workshops, to develop grantsmanship and publication skills.

Fellowship Timeline

The duration of the fellowship is 2 years, 2nd yr is contingent upon satisfactory progress during the first year. The anticipated start date is July 1, 2022.

Research Activity Plan (90%)

- **Involvement in mentors' research (45%)**: The fellow will collaborate on ongoing studies directed by Implementation Science Core faculty. Primary activities will depend on training goals, interests, and skills, but are likely to include data management and analysis (with opportunities to learn implementation science frameworks, methods and study designs; stakeholder engagement activities; development, collection and analysis of formative, process and summative qualitative and quantitative data; manuscript writing; and review of recent literature related to implementation of evidence-based practices in clinic and community settings. Some project management (e.g., assistance with obtaining and maintaining IRB approval, coordination of efforts of multiple investigators) and participant contact (e.g., conducting study orientation and treatment kickoff sessions) requirements may also be involved. The fellow will also have the opportunity to provide an Implementation Science Core seminar of their choosing, once per semester. Additionally, the fellow may gain experience in providing implementation science consultations, working in tandem with Implementation Science Core faculty. These consultations will occur mostly online, but some may be in person. There will be opportunities for co-authorship as well as first authorship on journal papers and presentations at national conferences. The fellow will be encouraged to take the lead role on some manuscripts and to collaborate with Implementation Science Core faculty and their teams on others.
- The fellow will also attend meetings relevant to the research of the Implementation Science Core.
- **Independent research and grant writing (45%)**: The fellow will perform independent research that may involve publishing dissertation research, collecting pilot data, conducting new projects agreed upon with Implementation Science Core faculty, and/or preparing his or her own grant proposal(s). The fellow will work toward at least one scientific manuscript, grant application (e.g., R03/R21, K-award) and presentation at a national meeting. The fellow's independent research is expected to include a focus on issues pertaining to implementation of evidence-based practices in clinic and community settings. The fellow is also encouraged to seek a leadership position in a national organization that is appropriate for the level of career development (e.g., Society of Behavioral Medicine, Society for Implementation Research Collaboration).

Didactics (10%)

- **Didactics (10%)**: The fellow will participate in the didactic program sponsored by the psychology fellowship program. Required didactics include core seminars (1 per month), DPHB Academic Grand Rounds (1 per month), RFP Core Seminar (weekly during academic year), and Grant Writing Seminar. Additional didactics may include those related to research

methods, statistics, research ethics, cultural sensitivity and diversity, developing programmatic research, and professional development.

Clinical Activity Plan

There is no requirement of clinical work as part of the postdoctoral fellowship, although opportunities may be created under special circumstances. In this case, research effort will be reduced to allow for participation in clinical activities, a primary clinical supervisor will be identified, and attendance at Clinical Ethics will be required.

Path toward licensure: YES _____ NO X _____

Didactics

Postdoctoral Seminars: The fellow will participate in the following postdoctoral seminars through the Postdoctoral Fellowship Training Program.

Mandatory Didactics:

- RFP Core Seminar (1 per week)
- Grantsmanship Seminar (1 per week)
- Core Seminars (1 per month) Non applied psychology fellows can opt out of selected topics
- DPHB Academic Grand Rounds (1 per month)

Optional Didactics:

- Clinical Ethics – if intending to sit for licensure (1 per month) Non applied fellows can opt out topics
- Special Topics in Statistics and Alcohol Center seminars.

Supervision and Evaluation

Supervision will be provided in the form of weekly individual supervision with Dr. A. Rani Elwy. At the midpoint and conclusion of the fellowship, the fellow and the supervisor will provide formal evaluations, and evaluations of the program relative to the goals and learning objectives of the fellowship.

Resource Requirements

Fellow will be provided with the following resources:

- Access to space to complete research responsibilities
- A computer and project specific software
- Internet access
- Telephone
- \$2,000 per year for professional development. This may be used for travel to conferences, professional memberships, and other approved professional expenses.

Reporting and approval

This fellowship will be part of the Research Fellowship Program. The position has been discussed and approved by the Research Fellowship Program Director and Associate Director.

Associate Director, Research Fellowship Program

Director, Postdoctoral Fellowship Training Program