Overview
The Yale Scholars in Implementation Science (YSIS) Career Development Program is an NIH-funded K12 program within the Yale School of Medicine’s Department of Emergency Medicine and the training core for the Yale Center for Implementation Science. Funded by the NIH’s National Heart, Lung, and Blood Institute, it is designed to train junior faculty and postdoctoral fellows in late-stage dissemination and implementation science. YSIS will provide training and career development support for scholars who have a clinical or research doctoral degree and are committed to a career in research, leadership, and knowledge translation to foster the dissemination and implementation of evidence-based practices in the areas of heart, lung, blood, or sleep medicine.

The YSIS training program will be tailored to the individual needs and level of experience of the scholar, and will contain two components: 1) didactic/experiential learning, through formal coursework, directed study and participation in seminar series and; 2) at least one well-defined, mentored implementation science research project with an active dissemination component so that results are available and useful to end users. The didactic component will include education in implementation science. In addition, there is an educational component on leadership. For scholars with prior training in these areas, the training program can be customized.

Elements of the program include: Mentor Advisory Panels (MAPs) that will advise and guide each scholar; for MDs, an option to complete the Master of Health Science (MHS) degree; advanced coursework in implementation science; training and experience in research prioritization, data generation and evidence synthesis; the opportunity to work with 40+ mentors from the Yale Schools of Medicine, Public Health, and Nursing, as well as New Haven non-profit agencies, a federally-qualified community health center, and the city’s Health Department. Support is provided at 75% of salary (up to $100,000), with additional funds for education and research. Scholars will be accepted into the program for 2 years, with potential to apply for a 3rd year.

Metrics of scholar success at the completion of the program will include: 1) satisfactory completion of all core courses and seminars or demonstration of equivalent competency; 2) completion of a mentored research project, including demonstration of skills in implementation science; 3) presentation of scientific abstracts at national meetings and other forums including those of health care delivery systems and government agencies; 4) preparation of at least one peer-reviewed scientific manuscript and one other form of dissemination such as a policy brief, blog, or op-ed piece; and 5) application for continued research funding through NIH or other federal agencies or foundations or sources.

Requirements
- Applicants must have earned a clinical or research doctorate (MD, PhD, ScD, DrPH, DDS, DMD) at the time of appointment and demonstrate commitment to conducting research in implementation and dissemination.
- At the time of the award, the applicant must have a “full-time” appointment at Yale University or provide a letter from his/her home department ensuring a full-time appointment if recipient of a YSIS award.
- Applicants must be able to commit a minimum of nine person-months (75% of full-time professional effort) of full-time professional effort to conducting health-related research. The remaining three months (25% effort) can be divided among other research, clinical, and teaching activities only if these activities are consistent with the goals of the award, i.e., the candidate’s development into an independent investigator.
- Applicants may request as much as $100,000 for salary support plus associated fringe per year and as much as $18,000 total per year for MHS program tuition and research support.
- Applicants must be US citizens or non-citizen nationals, or individuals lawfully admitted for permanent residence at the time of appointment. Additional details on citizenship requirements are available in the HHS Grants Policy Statement.
**Exclusions**

Individuals not eligible to apply include:

- Those who have been or are currently a PD/PI on a Federal research grant (such as R01, R29, P01) or subproject leaders on Program Project (P01) and Center Grants (P50, P60, U54), or individual mentored or non-mentored career development award (e.g., K01, K08, K22, K23, K25, K99/R00);
- Have simultaneously submitted or have an application pending peer review for any other Federal career development award, or a research project grant (R01). However, individuals may concurrently submit an application for an AHRQ or NIH Small Grant (R03) or Exploratory/Developmental Grants (R21);
- Have simultaneously submitted or have an application pending peer review for any non-Federal research grant, contract, or cooperative agreement over $100,000 direct costs per year;
- Have been or are currently a PD/PI on any other Federal mentored career development awards;
- Have been or are currently supported on an institutional K12 grant or KL2 (or similar grant); and/or
- Have been or are currently a PD/PI on peer-reviewed non-Federal research grants, contracts or cooperative agreements over $100,000 direct costs per year.

**Additional information**

- The research experience of applicants should resemble those supported by the individual Mentored Clinical Scientist Development Award (K08), the Mentored Research Scientist Development Award (K01), the Mentored Patient-Oriented Career Development Award (K23), or postdoctoral trainees and fellows appointed to F32 or T32 grants or eligible for K99 grants. Scholars to be supported by the institutional career development program must be at the career level for which the planned program is intended and appointed for a two-year period.
- All scholars appointed to this grant can move on to individual mentored career development support grants upon completion of their two-year appointment on the K12 grant.
- Individuals are eligible for placement as a scholar if they have been, or currently are the PD/PI of an NIH or AHRQ R36, F31, or F32 grant or a Federal or non-Federal award that duplicates the provisions or research goals of these grants and otherwise meet all other eligibility criteria. The scholar will have to terminate the existing award before being appointed to the K12. Individuals are also eligible to be scholar candidates if they have been, or currently are the PD/PI of an NIH or AHRQ R03 or R21 grant or a Federal or non-Federal award that duplicates the provisions or research goals of an R03 or R21 grant.
- Scholars are strongly encouraged to apply for independent research grant support (e.g., R01, R21, R03) by the end of their final year of appointment.

**Key dates**

- Application deadline: March 1, 2019 by 5:00 pm
- Funding decisions: by April 30, 2019
- Anticipated start date: July 1, 2019

YSIS is led by Drs. Steven L. Bernstein and Leslie Curry. June Weiss is the lead on administrative matters. The Yale Center for Implementation Science at Yale School of Medicine is the Program’s academic home. YCIS and its partners have experience in the full toolkit of clinical investigation, including randomized trials, prospective and retrospective cohort studies, retrospective longitudinal studies, meta-analyses, systematic reviews, qualitative studies, mixed methods, decision science, hybrid effectiveness/implementation studies, studies with registries and administrative data, measure development, and cost effectiveness. YSIS mentors currently lead centers at Yale devoted to medical simulation and informatics, and co-direct a center devoted to biostatistics. YSIS directors, faculty, and mentors have a history of engaging stakeholders from across the academic medical center, the broader Yale and New Haven communities, and state and local public agencies to translate research successfully. YSIS has a breadth of relationships that will provide substantial diverse opportunities for mentorship and research.

Please direct questions to june.weiss@yale.edu.