2016 Stanford Learning Health Care Innovation Challenge
Request for Proposals (RFP)

Spectrum and the Center for Population Health Sciences are very pleased to announce that Stanford Health Care (SHC) is partnering with us to expand funding for seed grants that will implement novel learning health care systems approaches to contemporary health care problems. We solicit proposals that will have a clear focus on using data to improve the health of the patient populations served by SHC, with the requirement that the proposal must use data from one or more SHC data system (e.g., STRIDE, EPIC, or data that can be linked to EMRs), or comparable clinical data that could be used as a surrogate to test a SHC learning health care system application.

Research topics of specific interest include but are not limited to:

- Developing new innovations that will improve the clinical workflow in the SHC system, such as:
  - creating new guidelines, processes, protocols, decision support tools, and other interventions that can be iteratively improved with feedback from practicing clinicians, and
  - using information extracted from clinical data warehouses to improve patient care.
- Research that will use data to provide information to clinicians at the point of care enabling them to predict which patients are at greatest risk of developing certain conditions, experiencing adverse events, or benefiting from specific interventions.
- Developing and testing data-based approaches that will enable personalized approaches to treatment decisions about medications, procedures and medical devices.
- Incorporating patient-reported outcome measures (PROMs) and patient preferences into the clinical process for improved shared clinical decision-making.

The primary expectation is that these early-stage pilot projects will lead to additional research, external support, information dissemination and most important, will develop into longer-term, comprehensive projects. We strongly encourage submissions that propose partnerships and collaborations with SHC clinicians, informaticians and other partners in the SHC system. Projects that utilize VA data can be submitted; however, they must explore an important question with results that are generalizable to SHC.

Deadline:
All proposals must be submitted by 6:00 PM PDT on Wednesday, September 30, 2015.

Amount and Period of Funding:
Typical grants range between $15,000 and $50,000 per year and depend on the specific program and the individual proposal. We encourage investigators to consider submitting requests less than the $50,000 maximum, as this will increase the probability of being funded and will enable us to award more grants. If funded, awards will be granted for the period from January 1, 2016 through December 31, 2016 and must be completed in that timeframe. All unexpended funds will be forfeited if not spent within the 12-month award period.

Eligibility (for all categories):
Open to all Stanford faculty and instructors. Graduate students, clinical and non-clinical postdoctoral scholars are encouraged to apply and are required to include a Stanford-affiliated, faculty mentor who must be listed as co-PI on the application. Stanford faculty include anyone with Professor, Instructor or Lecturer in his or her official title.

Award Process:
Proposals will be evaluated by committees composed of independent faculty and external reviewers, and awards will be based on individual selection criteria and scoring systems. In general, reviewers will select applications for consideration
as finalists that have made convincing arguments that the investigator(s) is proposing a bold idea or approach that will use practice-based evidence to improve the quality or efficiency of health care. Finalists may be invited for oral presentations and awardees will be notified by the end of December 2015.

**Proposal Submission:**
Please submit your proposal online at:
https://stanfordmedicine.qualtrics.com/SE/?SID=SV_6tEzZQqAT9d7vHT

**Applications must include the following information:**

- A cover sheet that includes:
  - Title of proposal
  - PI name, title and department
  - Mentor name as co-PI (if applicable) and co-investigator names and departments
  - Amount of funding requested
- Body of proposal (5-page limit)
  - Structured abstract, including aims, methods, and innovation
  - Research plan, including timeline
  - Problem statement (what need is this project addressing?)
  - Description of potential impact and likelihood of transition to independent funding
  - Description of interdisciplinary collaborations (if any)
  - Preliminary data (if any)
- Budget (not part of page limit). Allowable expenditures include investigator’s salary, research personnel salaries, travel (if project-related) and project supplies. These grants do not include indirect cost expenses. Capital equipment costing more than $5,000, intellectual property services, and food are unallowable expenses.
- Bios (1 paragraph maximum) of everyone involved in the project (not part of page limit)

**NOTE:** Figures and tables must be included within the body of the proposal. References may be included and are not considered part of the page limit. Do not include appendices to the proposal. Applications that do not comply with the requirements will not be considered for review.

**Questions?**
For questions regarding the application process and requirements, contact the Spectrum Pilot Grant Program Manager: April Watson, aprilw@stanford.edu, or 650-497-7032. For questions regarding the scope of the proposal, criteria for awards or the review process, contact Dr. Lorene Nelson, inelson@stanford.edu or 650-723-6854.

To review the grant policies, please visit: