EPIC FACULTY SCHOLARS PROGRAM

Call for Applications: July 7, 2017
Due Date: September 15, 2017

Goal:
As part of the JHUSOM’s efforts to support clinicians with distinction and clinical research, the EPIC Faculty Scholars Program (EFSP) was recently funded. The goal of this program is to provide wrap-around support services to participant teams to develop research project scholarship using the EPIC database. The program will teach participant teams how to use the EPIC electronic medical record in their daily practice to answer a research question using JHUSOM clinical databases. Participant teams will be guided through the research capabilities of EPIC, learn how to create forms for data collection, utilize the data effectively to answer a research question, and test hypotheses using basic statistics. Ten project teams (~2-3 faculty members per team) will be invited to participate during FY2018.

The EFSP has a mandatory one day didactic component, December 11, 2017 as well as a mentorship plan to help develop the skills of the clinical researcher. The teaching is experiential, small team based, and project-oriented. Moreover, the program will provide, for each of the 10 team projects (2-3 faculty per project), personalized, paid biostatistical, data management, and manuscript editorial support (completely funded through the program). There will be no charge to the faculty member. It is expected that the faculty member’s commitment to this part of the program will be ~14 hours per month (10% protected time), which must be fully supported (and documented) by the department.

We expect that by aiding in the generation of scholarship, this program will improve faculty satisfaction and retention of clinically excellent faculty members who spend >70% of their time in patient care. The program represents the collaborative provision of resources and support from the Office of Faculty Development (OFD), the Institute for Clinical and Translational Research (ICTR) and the Center for Clinical Data Analysis (CCDA).

Teams that have a project accepted into the EFSP program will receive during calendar year 2018 (for free):

a) Biostatistical support from the ICTR X 20 hours; Biostats Center SPH-ICTR
b) IT/programming services from the CCDA X 30 hours; ICTR
c) Database administrators to extract and export the data to a smaller relational database X 60 hours; RedCap ICTR
d) Manuscript editorial services X 30 hours; Coordinated by OFD
e) Programming for decision support projects (3 projects only) X 40 hours

ELIGIBILITY: The EFSP targets faculty who: 1) devoted >70% of their time to clinical work, 2) are not currently receiving NIH or other extramural funding, 3) can assemble a team of 2-3 collaborators (teams do not have to be interdisciplinary), and 4) are on only one EFSP proposal as the primary investigator (can also be on another as a collaborator)
Application requirements: (electronically submitted)

Page 1:
Preliminary background (one paragraph) to the issue to be studied, question or hypothesis (one paragraph) and specific aims (one paragraph) that could be tested using the EPIC EMR (one page maximum).

Page 2:
Proposal for basic methodology for the project (this is expected to be very rough as the goal of the program is to refine your skills for project planning) including patient population, inclusion and exclusion criteria, diagnosis, treatment interventions etc.

Page 3-6:
1) Letters of agreement by 2-3 additional clinical faculty members who are willing to collaborate with the PI on the project (AND LETTERS OF SUPPORT FROM THEIR DIRECTORS?!).
2) Letter of support from the Department Director designating that 1) the faculty member will have allocated 10% “academic” time to participate in program 2) the name of a departmental mentor of the applicant, 3) the ability of the individual to be removed from clinical duties on December 11 all day from 7 AM to 5:30 PM on Project Planning Skills, and 4) the department has confidence that the applicant can complete the project with the resources provided.

PDFs of the CVs of the applicant and designated collaborators

Criteria for Judging Grants:
1. Quality of Idea
2. Feasibility of Hopkins databases to address research question
3. Quality of applicant/team
4. Impact/implications/ generalizability if project is successful

Expected Outcome:
At the end of the 12-month curriculum, participants will: 1) complete a robust didactic and experiential curriculum on topics leading to competencies in designing a research or QI project that uses EPIC, 2) complete a team project using robust data, 3) complete a manuscript and submit for peer-reviewed publication, and 4) complete surveys regarding confidence in competencies, satisfaction, and program evaluation.

Examples of EPIC Data related studies:
1) PI: Dr. Wen Shen. Study title: “Vaginal Estradiol Use and Mammographic Density in Menopausal Women: A Retrospective Chart Review.” The Center for Clinical Data Analysis provided extracts of patient demographics, encounters, medications, and medical history from Epic for patients seen at Dr. Shen’s gynecology practice for a retrospective chart review to evaluate the effect of local vaginal estrogen therapy on breast tissue. The study team compared data extracted from Epic with data extracted from JHMI PACS (picture archiving and communication system).
2) PI: Dr. David Yousem: Study Title: “Clinical Access to Reports and Images: Value of Radiology”. Center for Clinical Data Analysis provided access log data from Epic for radiology procedures ordered during the month of September 2016 to determine the date/time that the images and the interpretive reports were viewed by the ordering physicians. This study looked at the viewing habits of radiology studies by referring physicians across all departments in the SOM with the hypothesis that the images were less often accessed than the reports in all but subspecialty specific referrals.

SEMINAR:
All successful applicant teams will present their work in a dedicated EFSP symposium attended by the JHUSOM leadership in September 2018. Certificates of completion will be awarded.

Please send applications to David M. Yousem, MD, MBA via dyousem1@jhu.edu under subject line “EFSP OFD Application”