

We anticipate this to not include every patient as there will need to be adequate time between the scheduling of the procedure and the procedure start time to be able to create a 3D model. This will make it impossible to include every patient. Our first prospective case was 11/12/20. RESULTS/ANTICIPATED RESULTS: At the time of submission we have very limited data and cannot confidently make a statement regarding results. We anticipate to measure a reduced time to procedural completion, and as a result, decreased radiation exposure, decreased contrast dosage, and decreased fluoroscopy time in the cases that included a 3D printed model in the planning of the procedures when compared to the procedures that did not include a model. DISCUSSION/SIGNIFICANCE OF FINDINGS: Few hospitals are using 3D printing as a regular tool that physicians can access as a part of their procedure preparation. If we are able to measure a significant impact on the efficiency and safety of procedures in interventional radiology, a much more robust argument can be made for including this technique in procedure planning with regularity.

Team Science

11039

Indiana CTSI High-School STEM Summer Research Program: Future opportunities from a 2020 virtual program

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ABSTRACT IMPACT: o The Indiana Clinical and Translational Sciences Institute K-12 STEM Outreach Program's pivoted to a virtual program in summer 2020 which yielded novel approaches that could be retained in future years to extend the reach/impact of our pipeline program. OBJECTIVES/GOALS: o Provide students with a meaningful and safe research experience during the COVID Pandemic. o Develop new modules and approaches that could be delivered virtually. o Engage students from communities that were not possible in previous years when in person meetings were required. METHODS/STUDY POPULATION: o The program has historically supported over 100 high school students per year in a summer research internship for the last 5 years. Students are placed with academic research mentors in various Schools and Departments across the IUPUI campus, and also with industry laboratories. o COVID-related restrictions required development of 100% virtual program. Key aspects of the virtual program included: cohort-based research mentor assignments with 1-4 mentees matched per research mentor, research projects that could be conducted virtually, heavy engagement of high-school teachers to facilitate the research experience with cohorts of mentees, a more rigorous virtual seminar series that included new modules such as COVID-specific programming and thus enhancing public education about COVID. RESULTS/ANTICIPATED RESULTS: o The program served 130 students in summer 2020. o We were able to recruit new faculty and industry mentors involved in data science research. As a result, we have now increased our mentor pool to serve more

students in the future. o Because student participation was virtual, we were able to accept students from further distances (up to 120 miles away) across the state. We were also able to accept local economically disadvantaged students that may have not been able to participate because of lack of reliable transportation. o A positive unanticipated outcome was that mentees relationships with the mentors was established virtually thus increasing the potential for students to remain engaged in their research. DISCUSSION/SIGNIFICANCE OF FINDINGS: o Adapting to a virtual platform provided research experience to high school students during a time when traditional approaches were not possible. Given some research experiences do not require in-person activities, this newly established model could be used moving forward to allow more statewide engagement in research experiences.

30315

Successes in the COVID-19 Era: Novel Peer-Mentoring Series for Junior and Mid-Career Academic Faculty Across a University Campus

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ABSTRACT IMPACT: Partnering with academic offices to promote peer-mentoring in a virtual format is feasible, novel, and well-received across a major academic campus. Particularly during a pandemic, the success of this programmatic effort highlights the continued need for peer-to-peer support. OBJECTIVES/GOALS: To identify feasibility and key lessons learned from the planning and implementation of a virtual, interdisciplinary group peer-mentoring series, implemented broadly across an academic medical center in New York City. METHODS/STUDY POPULATION: ASPIRE! (Accountability & Safe-Space to Promote, Inspire, Recharge, & Empower one another!) is a group of seven interdisciplinary mid-career academic women faculty, who began collaborations as CTSA KL2 scholars. Our mission is to support interdisciplinary peer coaching for advancement of gender and racial equity among academic faculty and leaders. We designed and implemented a series of virtual symposia focused on essential struggles for clinicians and investigators at during the COVID-19 pandemic. Partnering with Columbia's CTSA, Office for Women and Diverse Faculty, and Office for Research, we invited leaders in psychiatry/psychology, early childhood education, organization/team management, and academic advancement as keynote speakers and facilitated peer-mentoring virtual breakouts. RESULTS/ANTICIPATED RESULTS: These efforts resulted in the completion of four separate 1.5-hour symposia, each with keynote speakers, discussions with academic leaders, and 30-minute breakout peer-mentoring sessions. Session topics included Calibrating Expectations, Helping Families Thrive, Managing Remote Teams, and Faces and Phases of Stress. Enrollment ranged from 30 to 70 participants per session. Participants reported: (1) Keynotes focused on actionable solutions stimulated the most productive conversations; (2) Peers from different disciplines and career stages provided a range of actionable recommendations tested within local contexts; (3) The greatest learning came from the peer-to-peer breakout group sessions. DISCUSSION/SIGNIFICANCE OF FINDINGS: Partnering with academic offices to promote interdisciplinary, peer-mentoring in a virtual format is feasible, novel, and can be well-received across a major academic campus during the COVID-19 pandemic. The success of this programmatic effort