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The future of community-engaged research: The development of a graduate certificate in community-engaged research for health

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OBJECTIVES/GOALS: The goal of this poster is to 1) describe the development of a graduate certificate program for community-engaged research for health (CEnRH) in a Clinical and Translational Science Awards-funded institution; 2) describe the initial impact of the program; and 3) discuss strengths, implications, and potential improvements for the future. **METHODS/STUDY POPULATION:** The CEnRH graduate certificate is a 12-credit, post-baccalaureate program offered at the University of Cincinnati co-created by faculty from the Community Engagement and Translational Workforce Cores of the CCTST with community partners. The goal is to support learning about community-engaged research (CEnR) and enhances capacity for academic-community partnered research. Student demographics are collected as part of university registration. Quantitative course evaluations are collected each semester. Program evaluations including qualitative data are collected from students enrolled in the program during and upon completion of the certificate. **RESULTS/ANTICIPATED RESULTS:** The CEnRH curriculum includes 3 existing courses/electives in the College of Medicine and Psychology and three new courses in social justice and action research methodologies. Notably, the committee advocated for a scholarship to cover tuition for the certificate program to promote access for community partners. Since the fall of 2022, 17 students have enrolled in the CEnRH program, including 9 Faculty/Staff within CCTST institutions, 2 University of Cincinnati PhD Students, 5 Fellows, and 1 Community Member (who receives the scholarship). Notably, 24% of these students are from underrepresented minority backgrounds. Impact and evaluation data, as well as lessons learned, will be presented. Future directions for the CEnRH program will also be discussed. **DISCUSSION/SIGNIFICANCE OF IMPACT:** The CEnRH is an impactful program for trainees, faculty, and staff who are planning to conduct CEnR, while also strengthening research capacity among community partners and advocates. This certificate program may be especially valuable to academic researchers as more funding agencies require community and stakeholder engagement in their proposals.

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Interinstitutional competency-based interactive workshops: Impact on continuing education of Clinical Research Professionals (CRPs)

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OBJECTIVES/GOALS: Clinical research professionals (CRPs) are vital to the conduct of clinical research and require ongoing, high-quality training to be effective. This poster will explore participating

CRPs' assessments of the impact of the inter-institutional Research Professionals Network (RPN) Workshops on their work and ability to perform their roles. **METHODS/STUDY POPULATION:** The RPN Workshops are a consortium of four academic medical centers and their affiliates that collaborate to host peer-led workshops for CRP continuing education. CRP presenters and attendees include a wide variety of roles, responsibilities, and levels of experience. From September 2023 to December 2024, workshop attendees received bi-annual evaluations to assess the workshop impact, including skill application and understanding of topics. Responses from these bi-annual evaluations, along with monthly session evaluations, were analyzed to identify key outcomes on the workshops' impact in regard to participating CRP application of learnings and confidence in their role. **RESULTS/ANTICIPATED RESULTS:** Preliminary review of the bi-annual RPN Workshop Impact Survey data, alongside monthly workshop evaluation responses from workshop participants, revealed attendees indicated that they valued the topics presented. Key findings indicated that CRPs' participation in the workshops: reinforced their existing practices, increased their confidence in knowledge and/or skills discussed, enhanced their collaboration with CRPs from other institutions, and more detailed results of the analysis will be presented. **DISCUSSION/SIGNIFICANCE OF IMPACT:** Overall results demonstrated increased confidence in CRP roles. Participants valued the inter-institutional collaboration, which is facilitated by the sharing of best practices and diverse perspectives within the workshop format.

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The Clinical Research Education in Genome Science (CREiGS) short course: An innovative program for enhancing research capacity in genome science

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OBJECTIVES/GOALS: The Clinical Research Education in Genome Science (CREiGS) program was developed to address the need for faculty and trainees conducting biomedical research to gain foundational training in genome science and accelerate the clinical adoption of genomic medicine. CREiGS, funded by NHGRI, offers comprehensive training in genomic analysis and statistical computing. **METHODS/STUDY POPULATION:** CREiGS targets a diverse pool of medical/doctoral students, postdocs, and faculty from academic institutions nationwide. The hybrid program included an 11-week online phase and a 3-day in-person phase, focusing on genomic science, statistical analysis and R programming, rigor and reproducibility, and engaging diverse populations in genomics research. Advanced special topics lectures included: decision analysis for genomics research, bioethical engagement of indigenous communities in genomics research, elucidating gene networks for advancing human health, etc. Strategies for recruiting diverse participants and ensuring an inclusive learning environment were informed by the Diversity Recruitment External Advisory Board. Participants' skills were evaluated via pre- and post-course surveys. **RESULTS/ANTICIPATED RESULTS:** Of 187 participants over 5 cohorts,