Cancer Education Core: Curriculum in Cancer Medicine, Science, and Health Disparities
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The main goal is to enhance research capacity at UPRCCC by development of an Education Core that complements and is integral to the Training and Career Development Core. The long term goal of this project is to formalize a graduate degree curriculum based on cancer medicine, cancer science and cancer health disparities.

Inputs

- MD Anderson Cancer Center (MDACC)
- UT Graduate School of Biomedical Sciences UPR
- Comprehensive Cancer Center (UPRCCC)
- UPR System (11 campuses)
- Faculty
- Students
- Mentors
- BEBiC
- NCI Program Director
- Internal Advisory Committee (IAC)
- Program Steering Committee (PSC) members
- Other funds

Aims

1. Plan and implement new courses and formalize/modify existing courses for the cancer curriculum.

2. Add one short course every other year to include topics in Cancer Research, Population Sciences and on emerging technologies. [This aim has been edited.]

3. Coordinate and collaborate with Ponce School of Medicine U54.

Activities

1. Development of the courses for the new Curriculum in Cancer Medicine, Sciences, and Health Disparities:

   A. Fundamental Research Skills curricular courses sequence.
   - Responsible Conduct of Research
   - Enhancing verbal, analytical reading and writing skills
   - Fundamental skills for research; research design, methodology, databases, results analysis and essentials for effectively presenting research results
   - Introduction to Biostatics and Bioinformatics (with BEBiC) [Aim 1]

   B. Short Intensive Courses in Cancer Topics
   - Cancer Biology
   - Cancer Genetics
   - Cancer Medicine
   - Cancer Prevention Course
   - Cancer Research and Population Sciences
   - Other potential topics on Emerging Technologies to be considered for potential courses development are: Nanotechnology for drug delivery, Imaging, Genomics & Proteomics [Aim 2]

2. Develop a collaboration agreement with the U54 Ponce School of Medicine/Moffitt CC. [Aim 3]

Outcomes -- Impact

Short-term

A. Develop of a new curriculum in Cancer Medicine, Sciences and Health Disparities. [Aims 1 & 2]

B. Formalize the Fundamental Research Skills curricular courses sequence by instituting them as credit granting courses at the UPR MSC with the potential to register undergraduate and graduate students from the UPR and other collaborating academic institutions [by special permit mechanism]. [Aim 1]

C. Add one short course at least every other year to include topics on emerging technologies. [Aim 2]

D. In collaboration with the BEBiC, identify training needs for funded investigators and develop and organize short courses, seminars, or individual session in statistical methods [Aim 2]

Intermediate

A. Through the new curriculum, support the development of a new cadre of students with basic knowledge and population science research fundamentals that enable them to understand and address issues related to cancer control and prevention. [Aims 1 & 2]

B. Lay the foundation for the development of a formal graduate program at UPR with a curriculum base on cancer medicine, science and health disparities. [Aims 1 & 2]

C. Establishment of collaboration with theU54 of Ponce School of Medicine through a formal inter-institutional agreement including specific areas of collaboration, sharing of information and activities. [Aim 3]

Long-term

A. Formalize a graduate degree granting curriculum in cancer medicine, science and health disparities. [Aims 1, 2 & 3]

Process Evaluation

Outcome Evaluation