In 2003, with Grant R25 RR019321, "Clinical Research Education and Career Development (CRECD) in Minority Institutions," we established a curriculum to support a concentration in Clinical Research under the umbrella of the Master of Science in Biomedical Science at the UH John A. Burns School of Medicine (JABSOM). This educational program was expanded in 2010 with Grant U54 RR026136, "RCMI Multidisciplinary And Translational Research Infrastructure EXpansion, (RMATRIX)" containing a Multidisciplinary Research Education, Training, & Career Development Key Function that emphasizes education and training in research methodologies addressing health disparities and other translational health initiatives in Hawaii.

Consistent with the National Institutes of Health (NIH) priorities, our program provides our multidisciplinary clinical-translational scientists with the knowledge, training, and career development skills needed to apply the best scientific strategies towards addressing targeted select HEALTH Initiatives (Cardiovascular, Respiratory, Cancer, Perinatal Growth & Development, Neurocognition & Aging, and Nutrition & Metabolism). These HEALTH Initiatives represent some of the most pressing health care needs of our communities.

In addition, the MS in biomedical science functions as a supportive mechanism for newly trained investigators, actively facilitating career development and encouraging research collaborations, particularly those related to health disparities research.

By participating in the MS in biomedical science curriculum, students acquire skills in epidemiology and biostatistics and master the scientific principles that underlie clinical and translational research methods. They also develop the ability to identify and resolve ethical issues involved in clinical research, to ensure the safeguarding of human subjects, and to understand Institutional Review Boards and other relevant regulatory requirements. Finally, students grow their capacity to seek and obtain NIH and other extramural funding to conduct clinical and translational research.

The part-time curriculum can be completed in two years and is competency based. There are three aspects of the curriculum: didactic and problem-based learning modules, a mentored research project, and a seminar series. The program targets junior faculty, fellows, residents, and doctoral candidates from biomedical science, Nursing, Social Work, Psychology, Public Health, and other translational science fields. Gathering trainees from diverse disciplines into a small group learning experience broadens the trainees’ perspectives, as well as increases opportunities for innovative, cross-disciplinary collaborations in clinical research.

Please see our website for more information:

http://mscr.hawaii.edu
email: mscr@hawaii.edu

Now Accepting Applications for Fall