Institute for Translational Epidemiology

The Institute for Translational Epidemiology, headed by Dr. Emanuela Taioli, takes advantage of Mount Sinai’s extraordinary strengths in both research and practice in basic, clinical and preventive disciplines to foster the development of cutting-edge, multidisciplinary epidemiology research projects in the clinic, in the community, and in collaborating institutions across the world. The mission of the Institute for Translational Epidemiology is to develop and facilitate highly collaborative translational and interdisciplinary research integrating population studies, genomic and proteomic research, with the ultimate purpose of spearheading changes in clinical practice, improvement in disease treatment, disease outcome and patients’ quality of life. Epidemiology research has greatly contributed in the last 60 years to improving our knowledge in many areas of medicine, which in turn has entailed major changes in clinical and preventive practices. Exciting transformations have occurred to Epidemiology in the 21st century, and this is reflected by the new popular terminology “Integrative Epidemiology”, a definition that describes the discipline as cohesive; interdisciplinary, collaborative, multilevel, where new technologies and alternatives to classic study designs become the leading forces to transformation. Epidemiologists are now in the position to integrate genetic and genomic data, social factors, built environment, large electronic clinical data, to predict individual disease risk, response to treatment and prognosis. All the elements for a successful Integrative Epidemiology Program are present at Mount Sinai. The Institute has several Concentration Areas (CA) of research: Chronic Disease Epidemiology (cancer, CVD, diabetes, and neurologic conditions); Mental Health Epidemiology; Infectious Disease Epidemiology; Social Epidemiology; Occupational Epidemiology; Epidemiologic Methods (Biostatistics, High throughput analyses, bioinformatics), Life course Epidemiology, Molecular and Genetic Epidemiology.

The Institute collaborates closely with the Department of Population Health Science and Policy and the Department of Preventive Medicine, as well as a variety of other Mount Sinai entities in building the research portfolio. In addition, training and education is part of the research portfolio.

For more information:
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