

## Dr. Andrea Baccarelli

Andrea Baccarelli, MD, PhD, MPH, is the Mark and Catherine Winkler Associate Professor of Environmental Epidemiology in the Department of Environmental Health at the Harvard T.H.



Chan School of Public Health. Dr. Baccarelli's research focuses on epigenomics as a unique molecular substrate reflecting the impact of environmental exposures on human health. Dr. Baccarelli's Human Laboratory of Environmental Epigenomics is dedicated to the investigation of environmental epigenetics at different life-stages. His ongoing projects range from the investigation of the effects of in-utero exposures to toxic metals, second-hand smoking, and psychosocial stress on the methylome of human fetal tissues to the study of the influences of air pollution on non-coding miRNA in adult and elderly individuals.

Epigenetic mechanisms are investigated in relation to fetal growth and perinatal outcomes, cardiovascular function, obesity, and neuro-cognition. Since 2010, Dr. Baccarelli's laboratory has produced more than 130 peer-reviewed publications in epigenetics, environmental health, and epidemiology. Dr. Baccarelli earned his MD from the University of Perugia, Italy, his PhD from the University of Milan, Italy, and his MPH from the University of Turin, Italy. He completed his residency (Endocrinology) at the University of Milan, and a postdoctoral fellowship at the National Cancer Institute's Division of Cancer Epidemiology and Genetics.