Abstract
This article aims to draw a historical view of the main transformations that are happening in nursing after the completion of the Genome Project. We present current information about genetics, the Human Genome Project, genomic research and their interface within nursing practice, as well as vanguard proposals in various important research areas for nurses. Furthermore, we describe the emergence of a new specialization area in nursing, nursing in genetics, and the International Society for Nurses in Genetics, which standardizes its professional exercise. Finally, we present some recent research data, aimed at integrating genetics and, consequently, genomics in nursing teaching, research and care.

Keywords
Genetics, Genomics, History of nursing.