



Figure 8. Features of aging and senescent cells. (*Top*) Aging is a biological inevitability for all eukaryotes, from budding yeast and *C. elegans* to mice and humans (depicted). The features of senescence and cellular aging are compared between a normal or “young” cell (*left*) and a diseased or “old” cell (*right*) at three levels: chromatin, nuclear organization, and integrity of the genome. (*Top* images [left to right] from chemistryland.com; from Hazreet Gill, Francis Ghandi, and Arjumand Ghazi, University of Pittsburgh School of Medicine, <http://www.chp.edu/CHP/ghazilab>; courtesy of Christopher Fisher; from victorymedspa.com.)