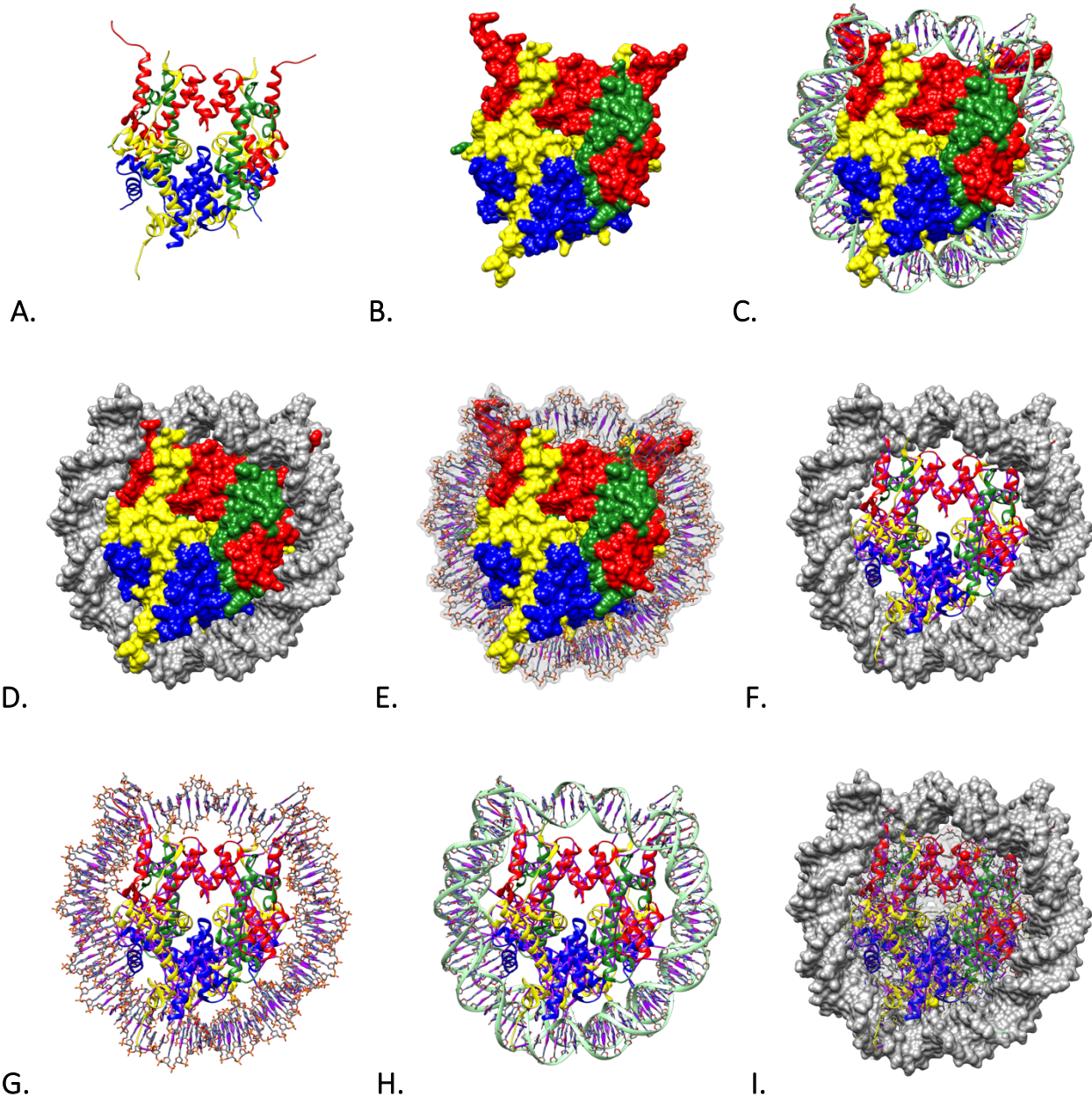


DNA ORGANIZATION IN THE NUCLEUS

Nucleosome (histone octet & DNA)



Structural Representations of a nucleosome (6JR1):

A. Ribbon model of a histone octet, identical subunits color coded (red (H3), yellow (H2A), blue (H2B), green (H4)); B. Surface model of a histone octet; C. Surface model of a histone octet bound to a ribbon model of DNA; D. Surface model of a histone octet bound to DNA; E. Surface model of a histone octet bound to a full-atomic model of DNA with a transparent surface; F. Ribbon model of a histone octet bound to a surface model of DNA (hydrogen bonds in purple); G. Ribbon model of a histone octet bound to a full-atomic model of DNA; H. Ribbon model of histone octet bound to ribbon model of DNA; I. Ribbon model of a histone octet with extended side chains and transparent surface, bound to a surface model of DNA.

Images made in UCSF Chimera, V 1.16