

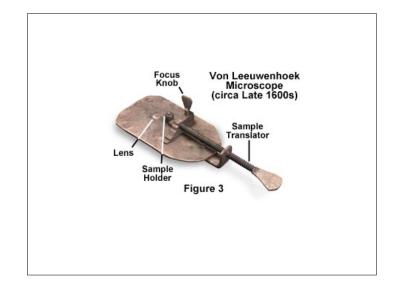
Robert Hooke (1635 - 1703)

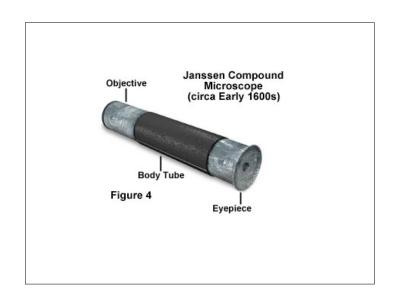
Built one of the first useful compound microscopes Observed structure of cork Coined the term "Cell". Published *Micrographia* (1665)

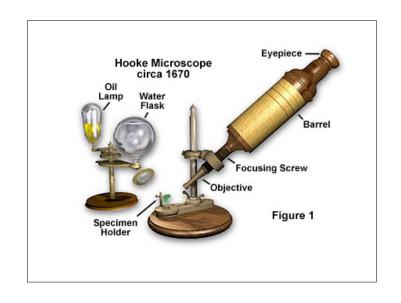


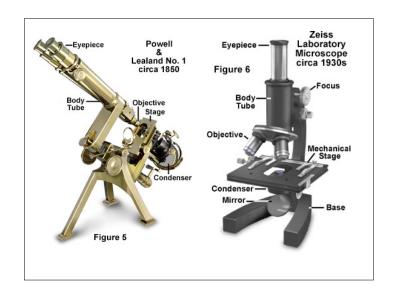


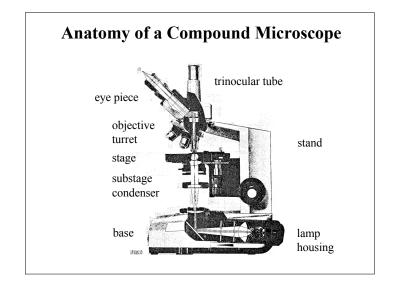
1665	Hooke publishes Micrographia
1678	van Leeuwenhoek observes protozoa ("little animals")
1838-9	Schleiden & Schwann proposed "Cell Theory"
1860	Pasteur confirms Cell Theory
1931	Ruska invents electron microscope
1932	Zerniki develops phase contrast microscopy
1955	Minsky invents the laser scanning microscope (LSM)
1989	Webb, Denk & Strickler invent multiphoton LSM

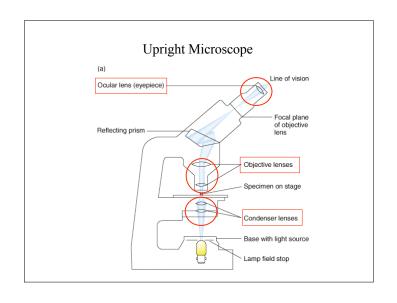






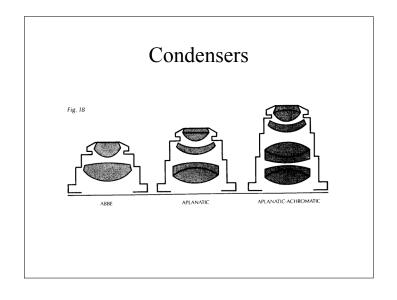


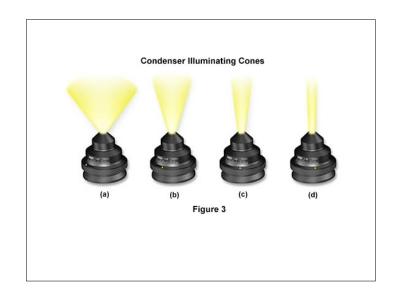


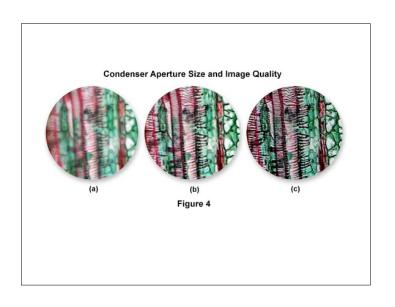


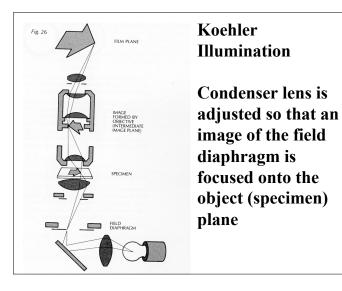
Contrast Microscopy

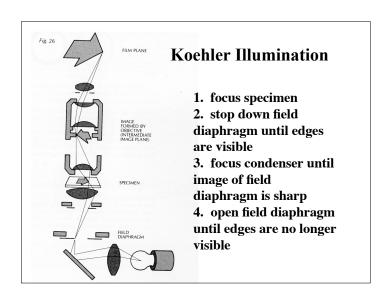
Koehler Illumination Dark Field Phase Contrast Differential Interference Contrast Hoffman Modulation

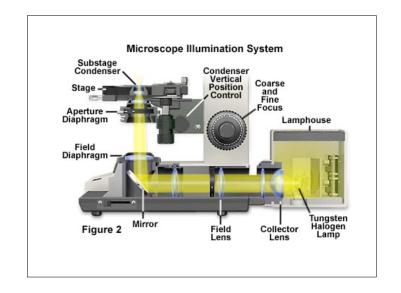


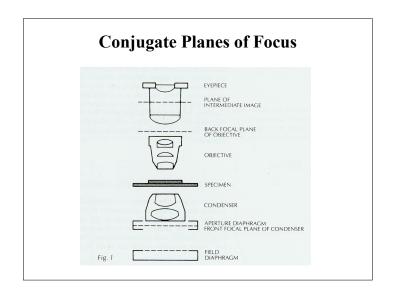


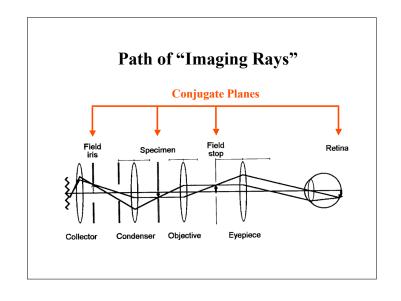


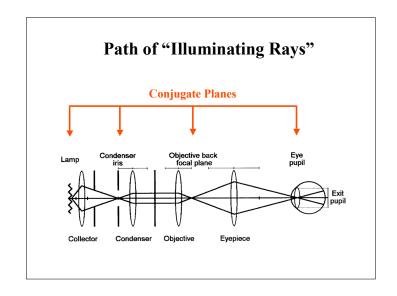


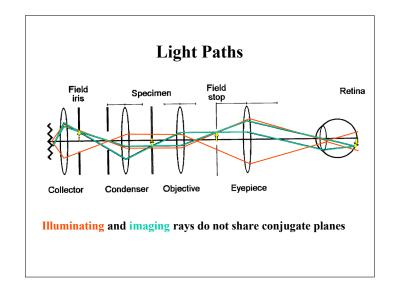


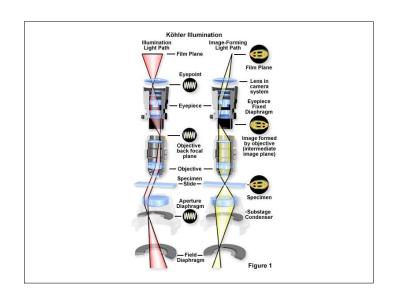


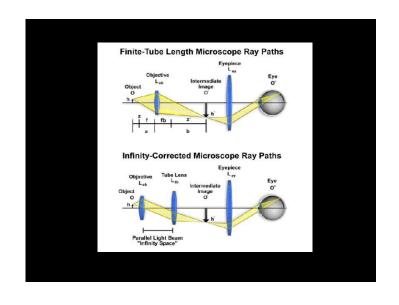


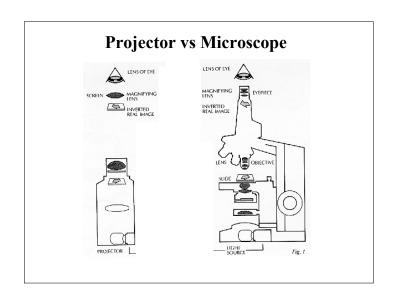


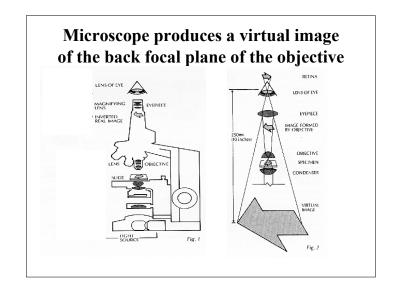


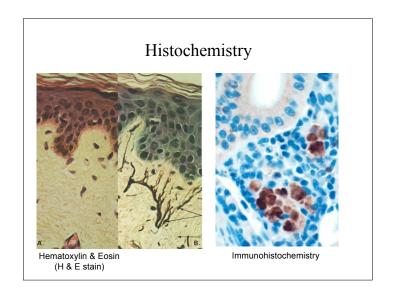


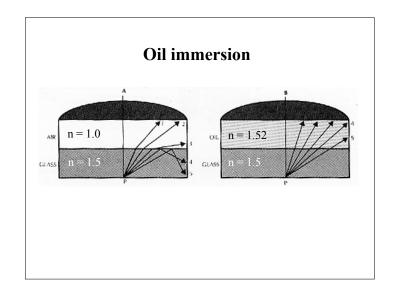


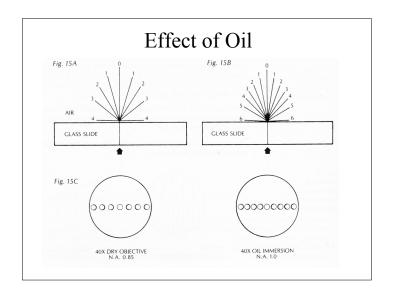












Contrast Microscopy

Koehler Illumination

Dark Field

Phase Contrast
Differential Interference Contrast
Hoffman Modulation

