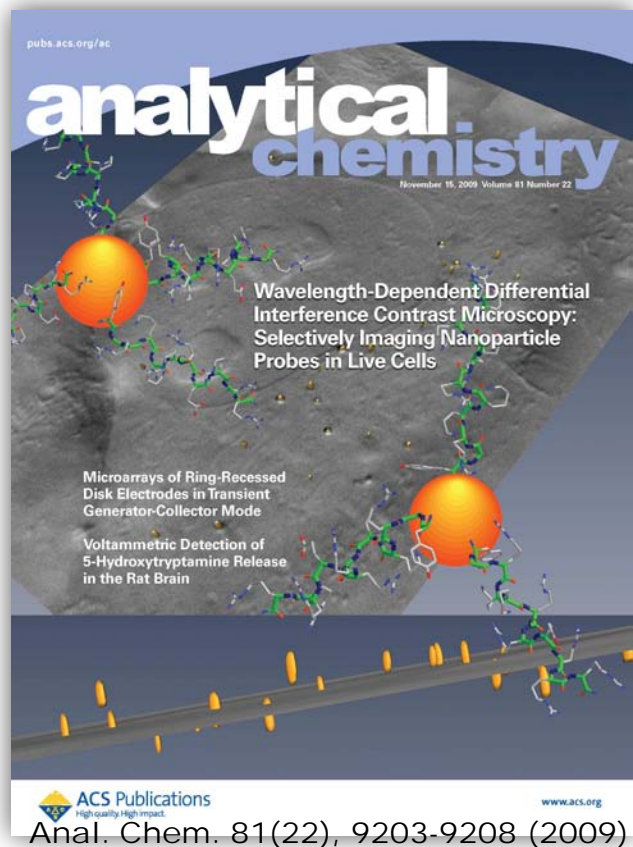
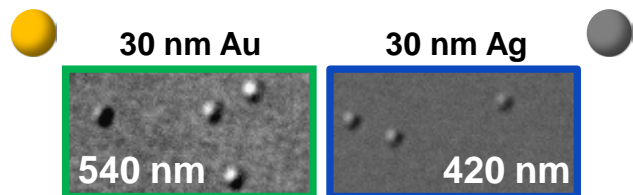
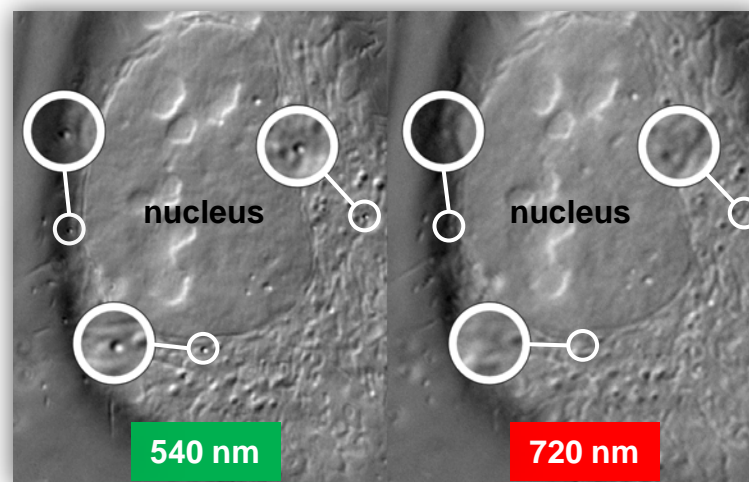


Selective Imaging Nanoparticles



Plasmonic metal nanoparticles, e.g., Au and Ag, display wavelength-dependent refractive indices, allowing them to be selectively imaged in differential interference contrast (DIC) microscope.

- Unambiguous identification of gold nanoparticles in complex environments by turning “on” and “off” nanoparticles selectively
- Simultaneous imaging of probes and cell features
- High-precision 3D localization of nanoparticles
- Tracking of gold nanoprobe in 3D at video rates (32 fps) or faster
- Multiplexed DNA binding assays and immunoassays by selectively detecting Au and Ag nanoparticles on the same glass slide



Dual-Wavelength DIC microscopy
36 nm gold nanospheres visible at 540 nm, but invisible at 720 nm