

TOPICS OF THE MEETING

Optical microscopy techniques used for medical and biological imaging

1. Superresolution microscopy by using far field (Stimulated emission depletion (STED) microscopy) and near field (Scanning near field optical microscopy)
2. Fluorescence and label free microscopies techniques: Confocal microscopy, Two photon excitation microscopy, Second armonic imaging(SHI). Coherent anti-Stokes Raman scattering (CARS) microscopy, Raman microscopy
3. Correlative microscopies techniques used foer medical and biological investigations