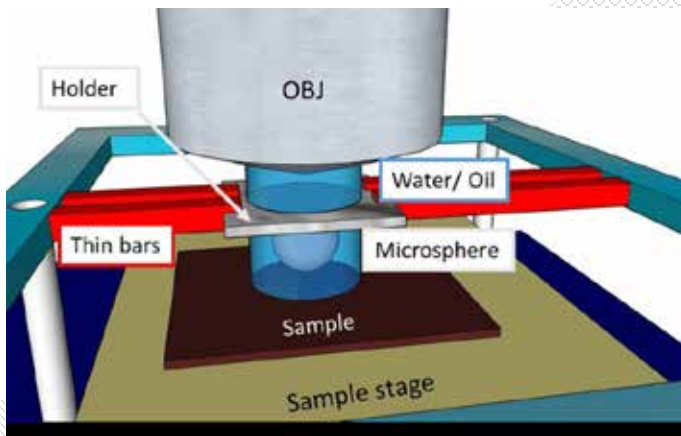


Technology Overview

- § The Optical Microsphere Nanoscope enables real-time, low cost, super resolution imaging with just white light
- § Utilizing the microsphere technology, sub-100 nanometer resolution can be achieved
- § It has almost no requirement on sample preparations, able to work in an ambient environment and has the ability to image live biological samples and non-conductive soft materials

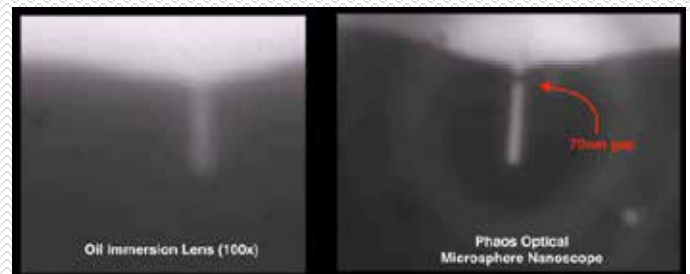
Technology Features

- § Provides a cheap and easy-to-use alternative to achieve super-resolution imaging under white light illumination at room conditions
- § Image objects of sub-100nm feature sizes (down to about 25nm), real-time and at a long working distance of 1 micron, under either reflective or transmission mode
- § The core techniques in this technology can be made into a low-cost add-on device



Benefits

- § Ability to do optical, non-contact, non-invasive, super-resolution imaging
- § Cheaper than Scanning Electron Microscope (SEM)
- § The add-on device will upgrade existing microscope from a 20x magnification to 100x magnification



Potential Applications

- § Artificial cell and tissue design and culturing
- § Sub-cell activities research
- § Clinical laboratory examination
- § Semiconductor production line

