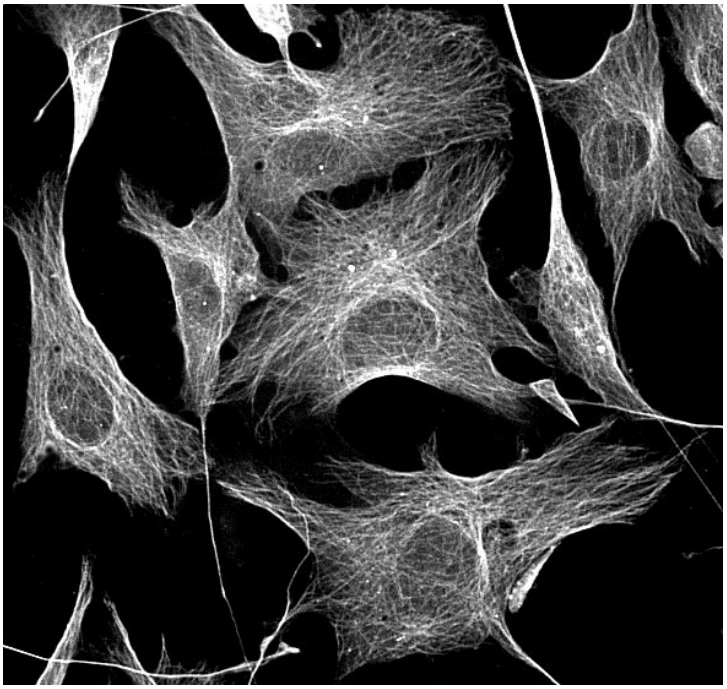
MICROSCOPY



I have used microscopes for the better part of my life receiving training on optics and light and electron microscopy while I was an undergraduate and graduate student. Microscopy combined with the use of tagged specific probes has been an essential tool for my research projects. Recently, we have combined light microscopy with site-directed photoactivable proteases to study associations between DNA repair enzymes and the cytoskeleton. Between 1991 and 2006, I established and directed a microscopy and imaging core facility for Stony Brook University. This fully staffed research core housed wide-field and confocal light microscopes as well as transmission, scanning-transmission and scanning electron microscopes. Other facility resources included all necessary ancillary equipment for specimen preparation, image acquisition and image analysis including high resolution color printing. This microscopy resource operated on a fee-for-service basis and was used by a large number of investigators and students at Stony Brook as well as investigators from several institutions in the New York metropolitan area.

Micrograph: Microtubules decorated with fluorescently-tagged 8 oxoguanine DNA glycosylase (Conlon, *et al*., 2004. DNA Repair 3, 1601-1615).