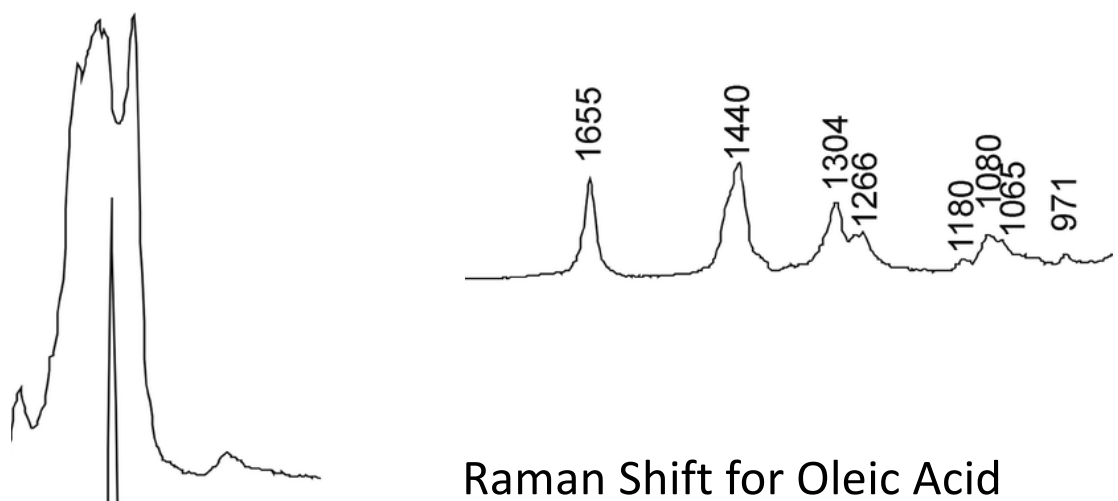
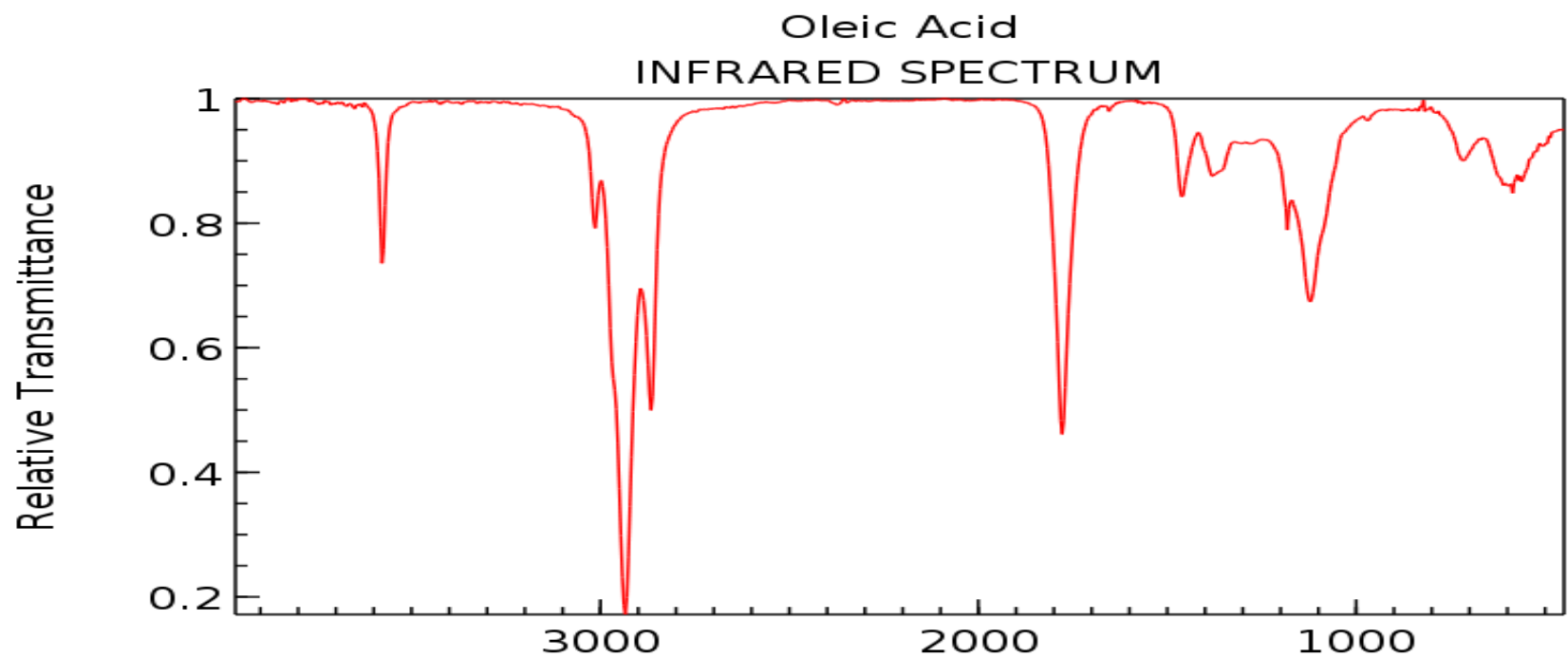
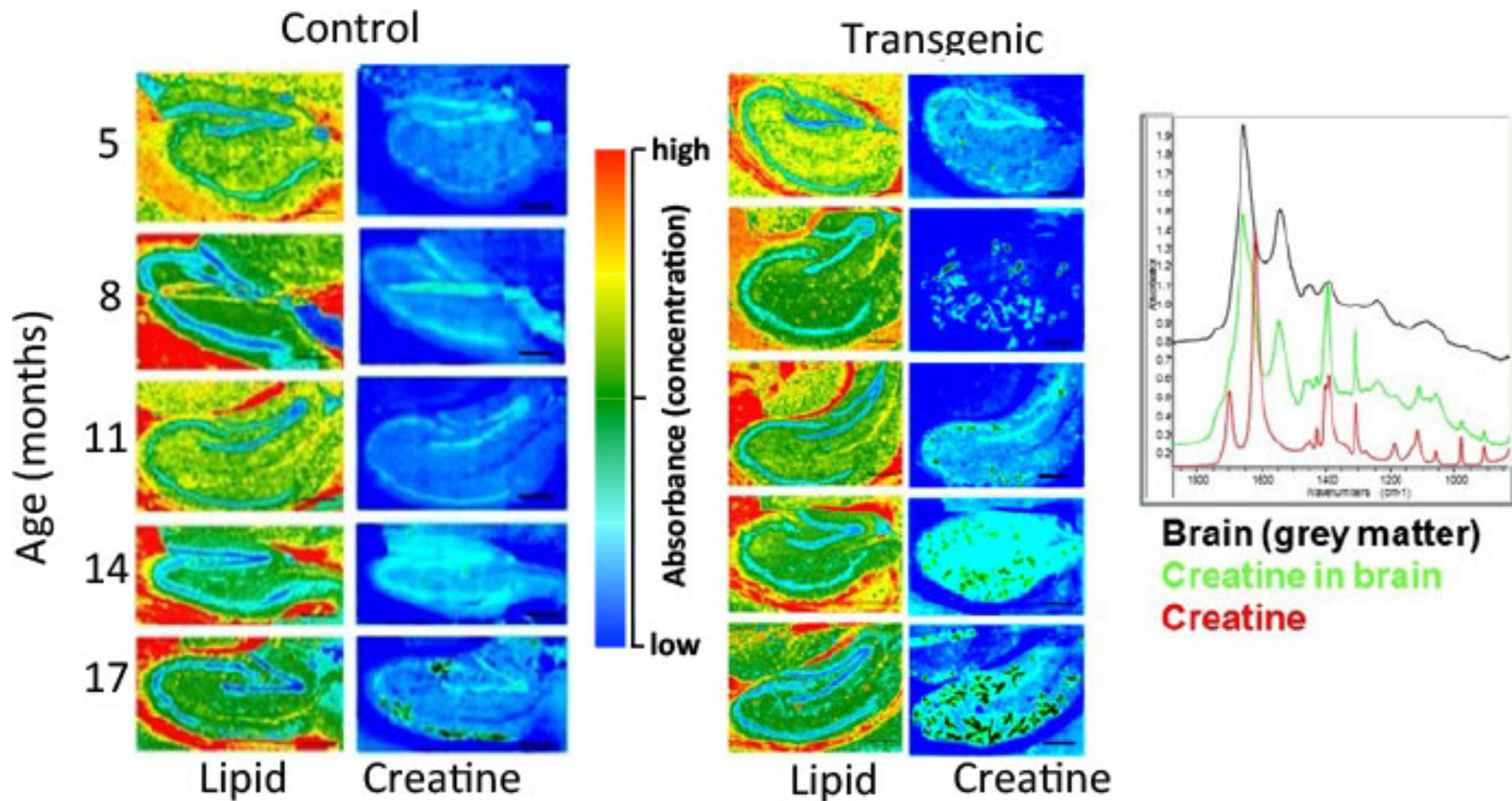


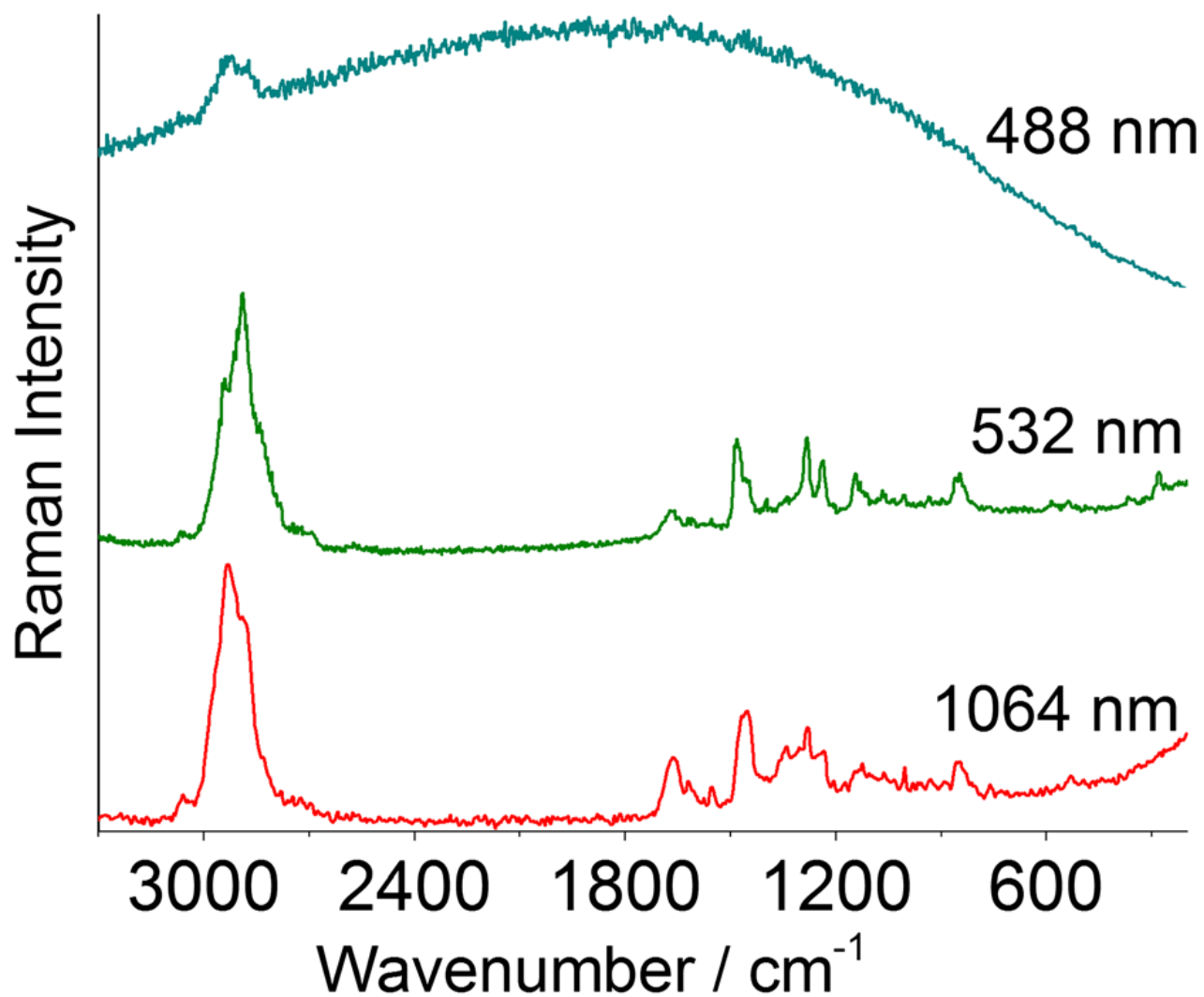


Raman Shift for Oleic Acid





Distribution of both lipid and creatine in control and transgenic mouse brains as a function of age. Transgenic mice exhibit higher concentrations of creatine, in particular at an earlier age. Right, representative FTIR spectra of brain (gray matter), Creatine within the brain (a mixture of pure creatine and brain) and pure creatine.



Raman spectra of glucose oxidase at 488nm (blue), 532nm (green) and 1064 nm (red).

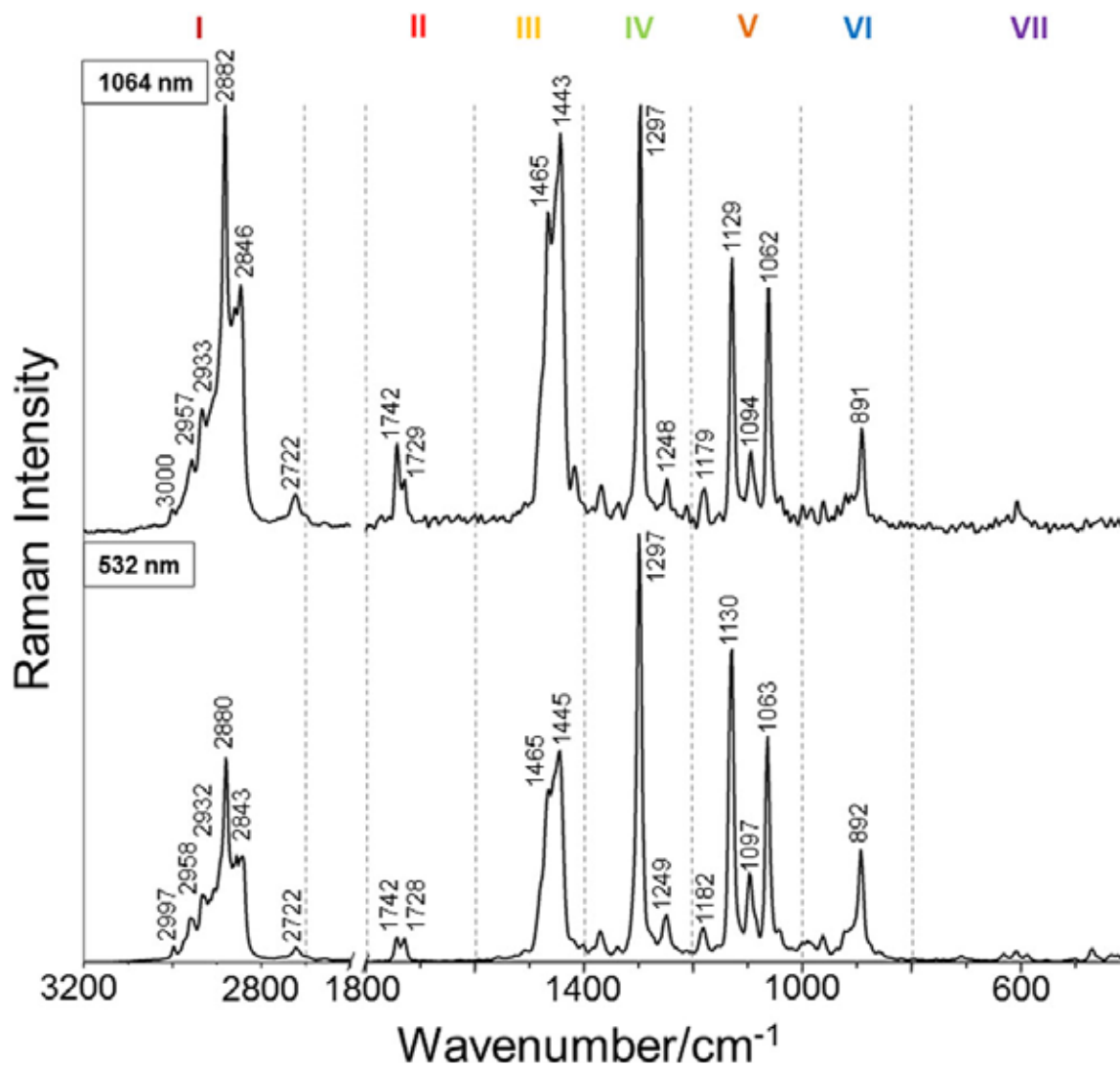
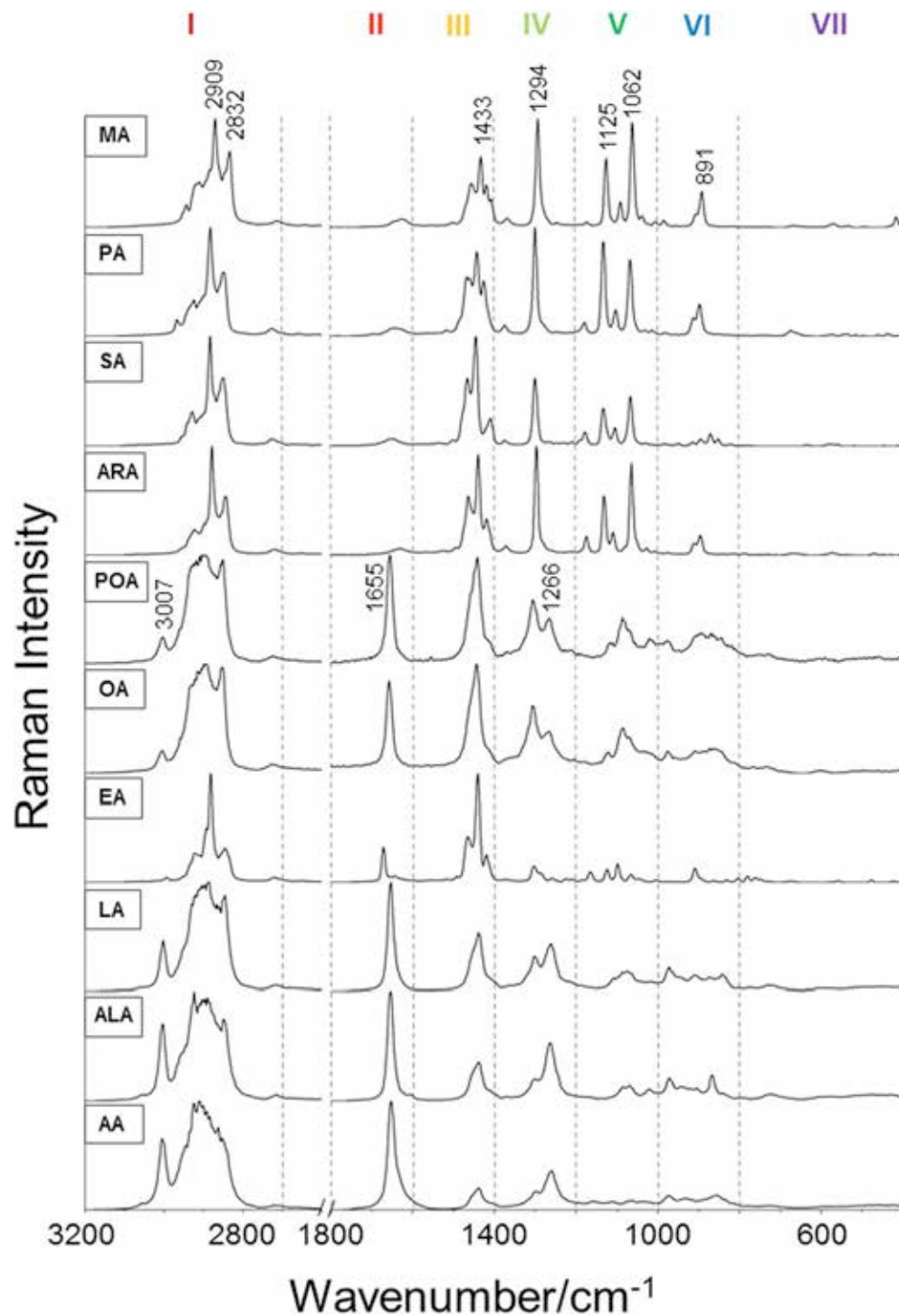
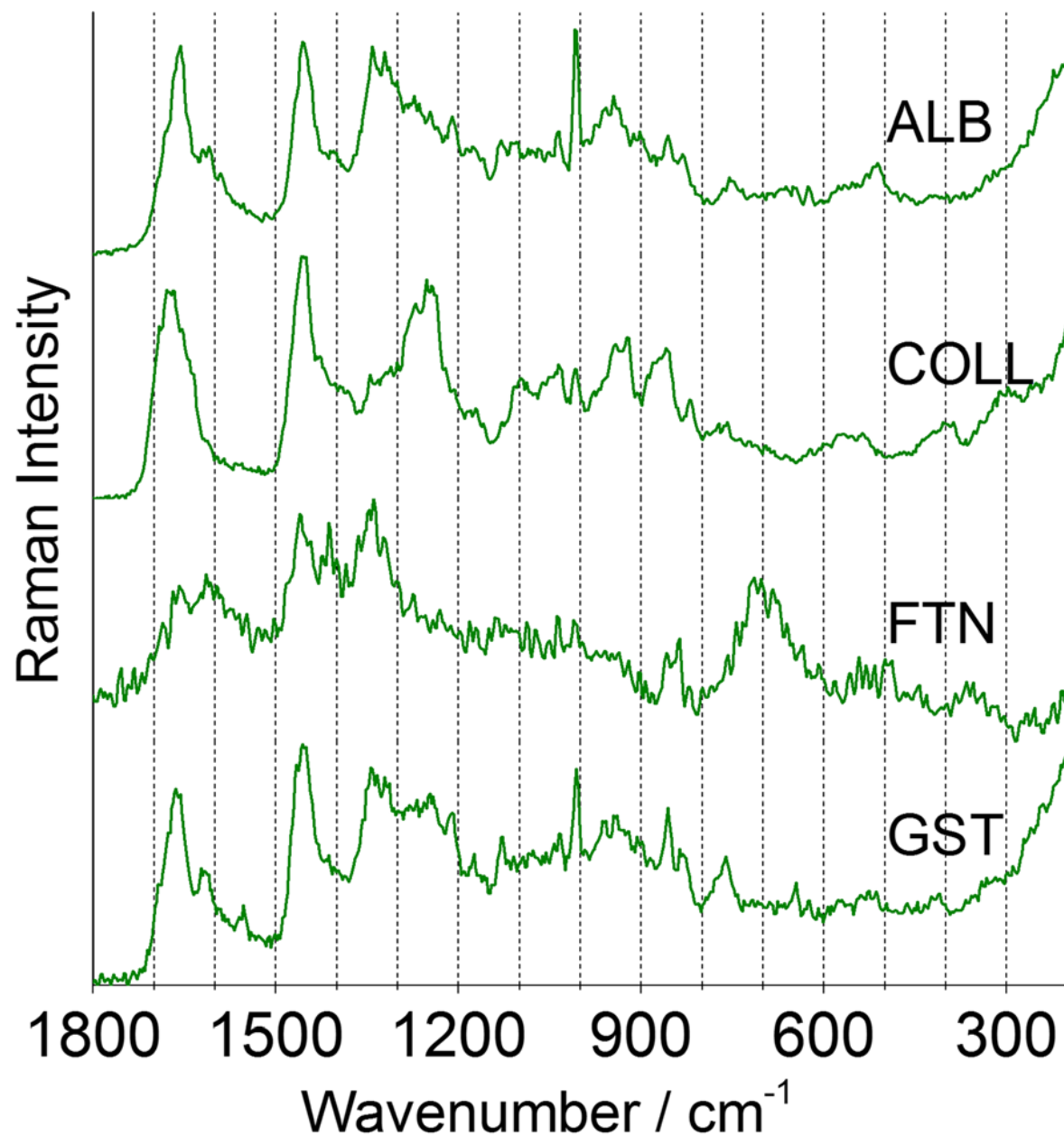


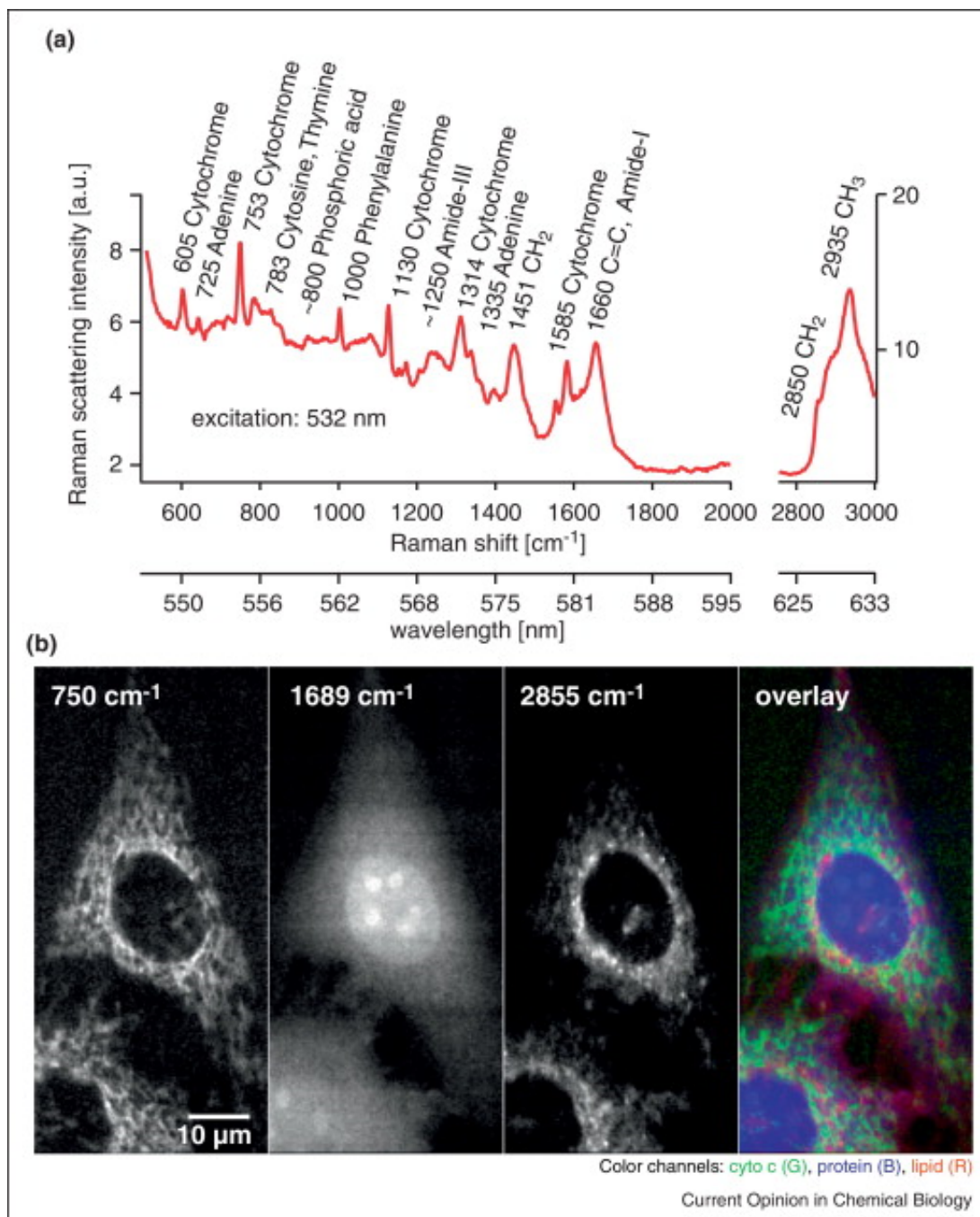
Figure 2. Raman spectra of trimyrustin obtained by excitation with the 1064 and 532 nm laser lines. Raman intensity in the 2700–3200 cm^{-1} range is 4.4-fold relatively to the fingerprint region



Myristic acid MA Solid $\geq 99\%$ Sigma
 Palmitic acid PA Solid $\geq 99\%$ Sigma
 Stearic acid SA Solid $\geq 99.5\%$ Sigma
 Arachidic acid ARA Solid $\geq 99\%$ Sigma
 Palmitoleic acid POA Liquid $\geq 98.5\%$ Sigma
 Oleic acid OA Liquid $\geq 99\%$ Sigma
 Elaidic acid EA Solid $\geq 99\%$ Sigma
 Linoleic acid LA Liquid $\geq 99\%$ Sigma
 α -Linolenic acid ALA Liquid $\geq 99\%$ Sigma
 Arachidonic acid AA Liquid $\geq 99\%$ Sigma

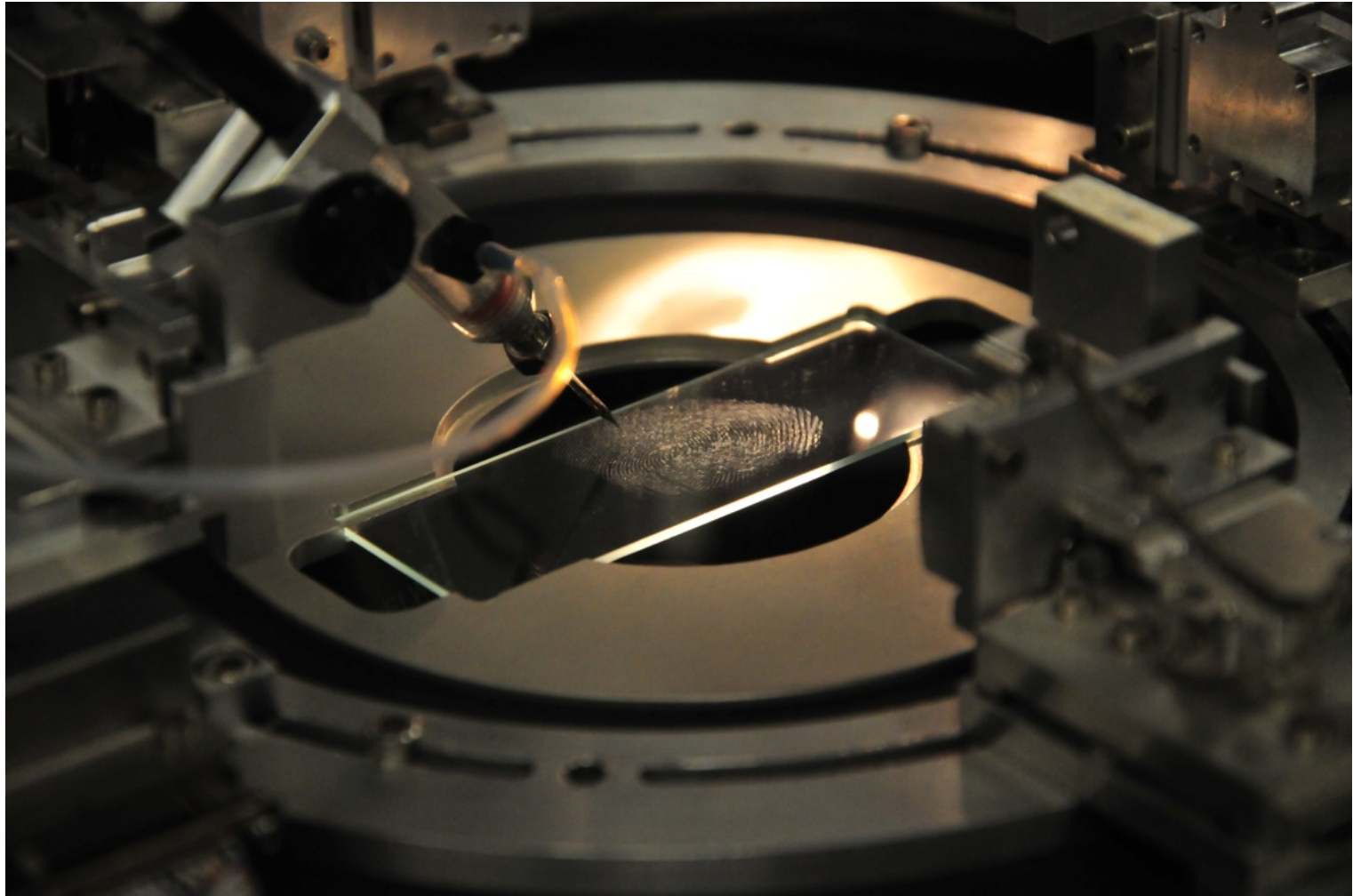


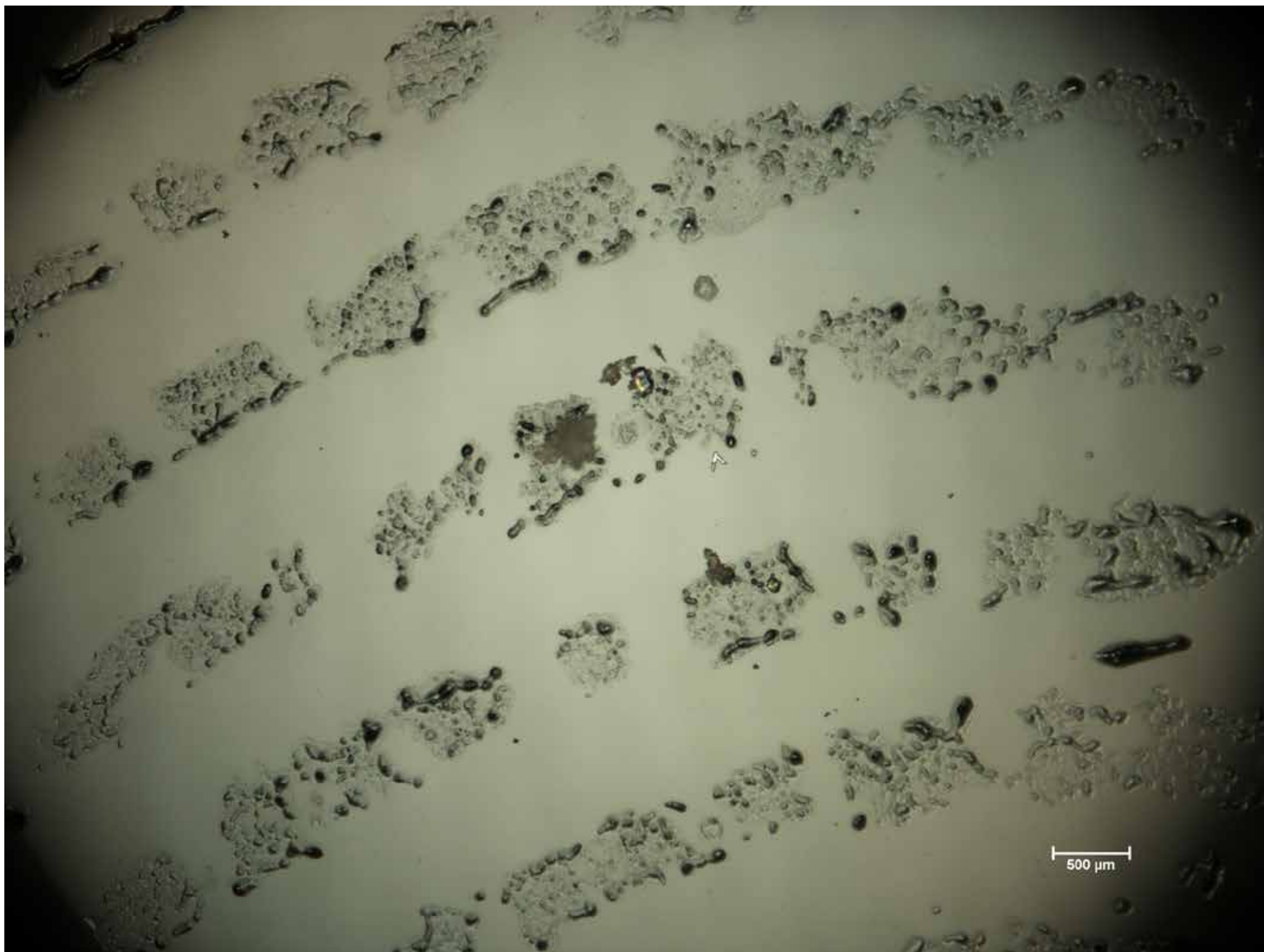
Raman spectra of the α -helix (HAS, Coll, Ferritin, Glutathione transferase) proteins at 532nm in the 1800–200 cm range.



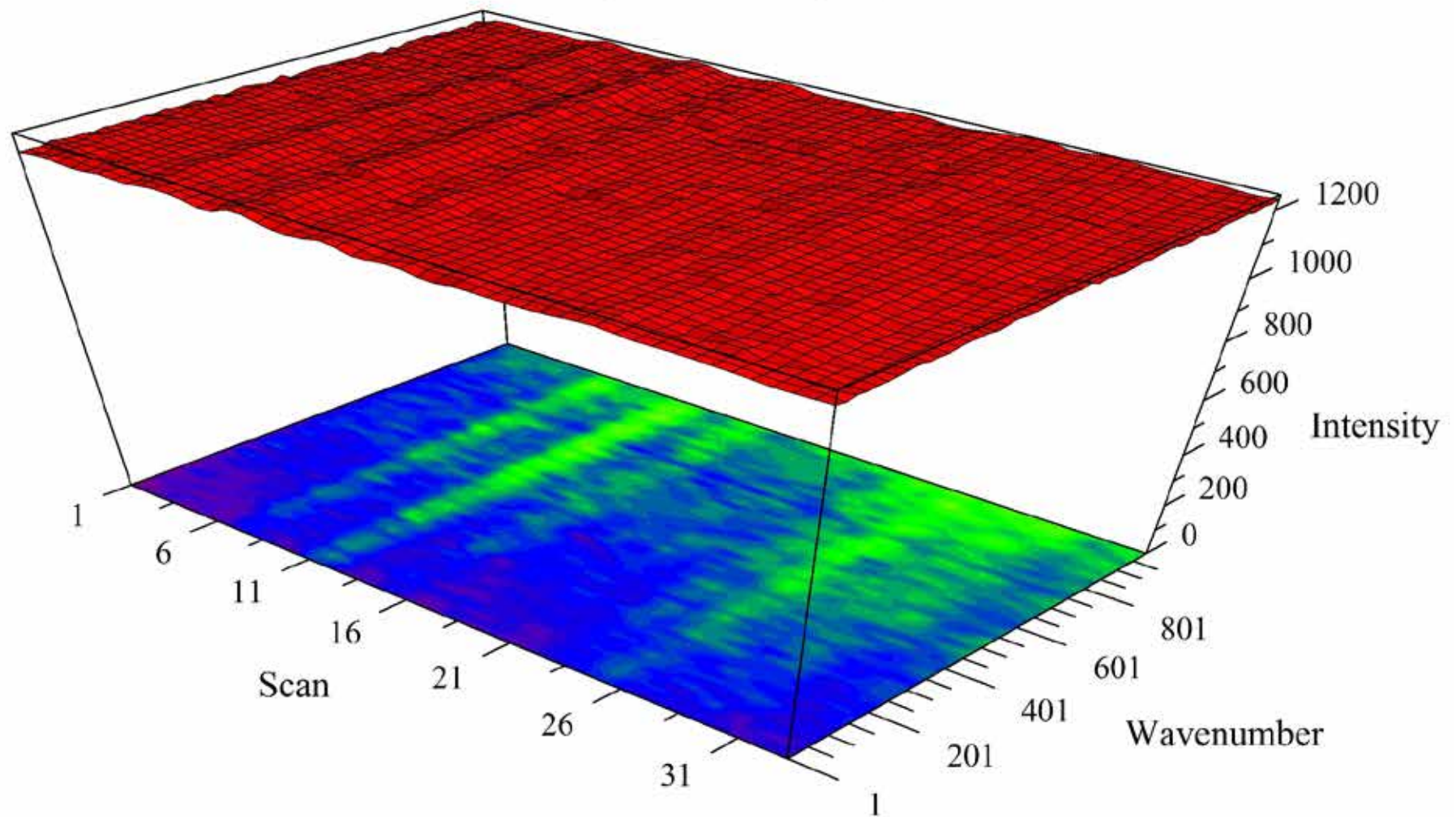
Label-free imaging of a living cell (HeLa) by Raman microscopy. (a) Raman spectrum measured from cytosol using 532 nm excitation. (b) Raman images showing molecular distributions of cytochrome c (750 cm^{-1}), protein (1689 cm^{-1}), and lipid (2855 cm^{-1}) molecules

Nanomanipulator with a sample fingerprint

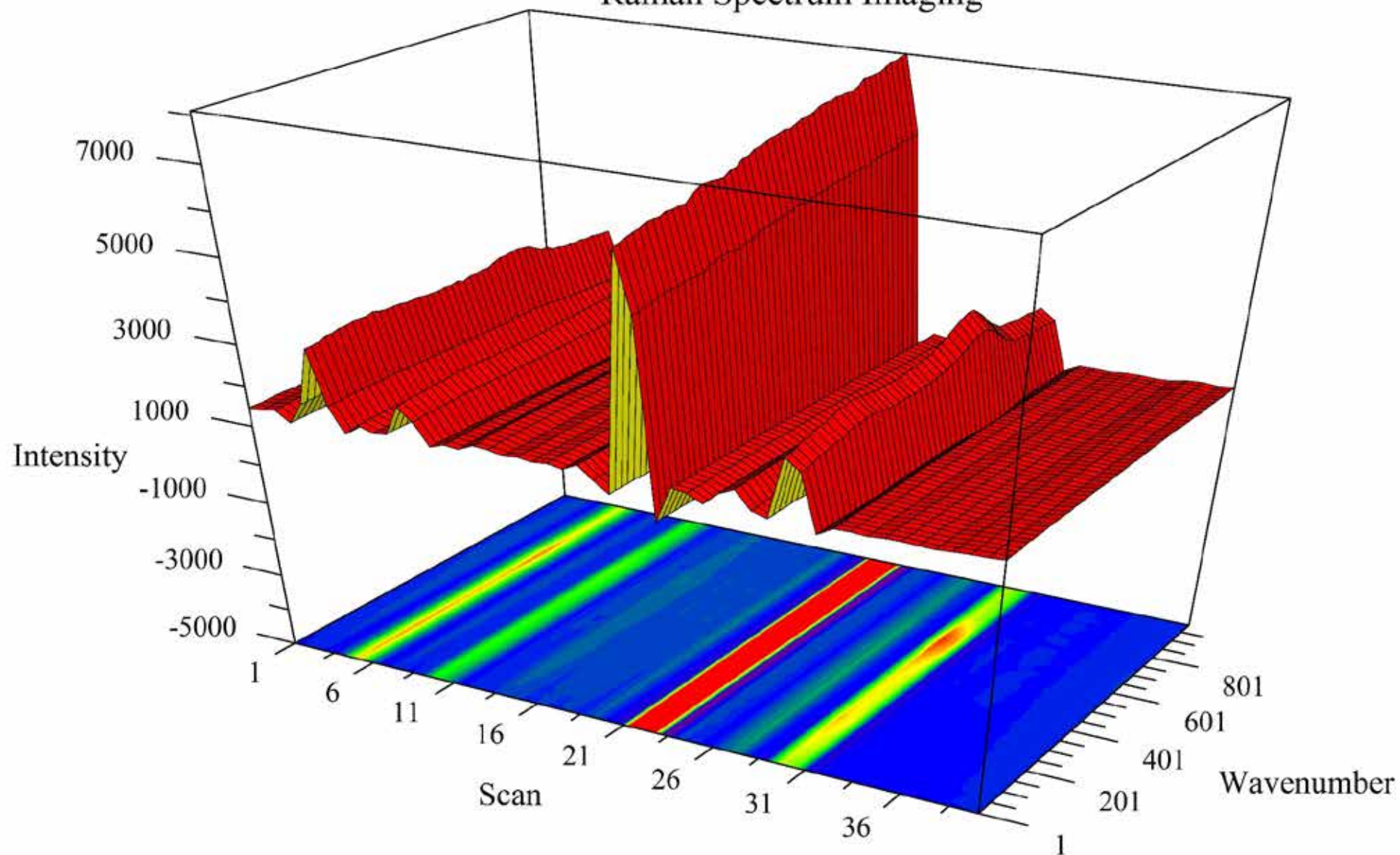


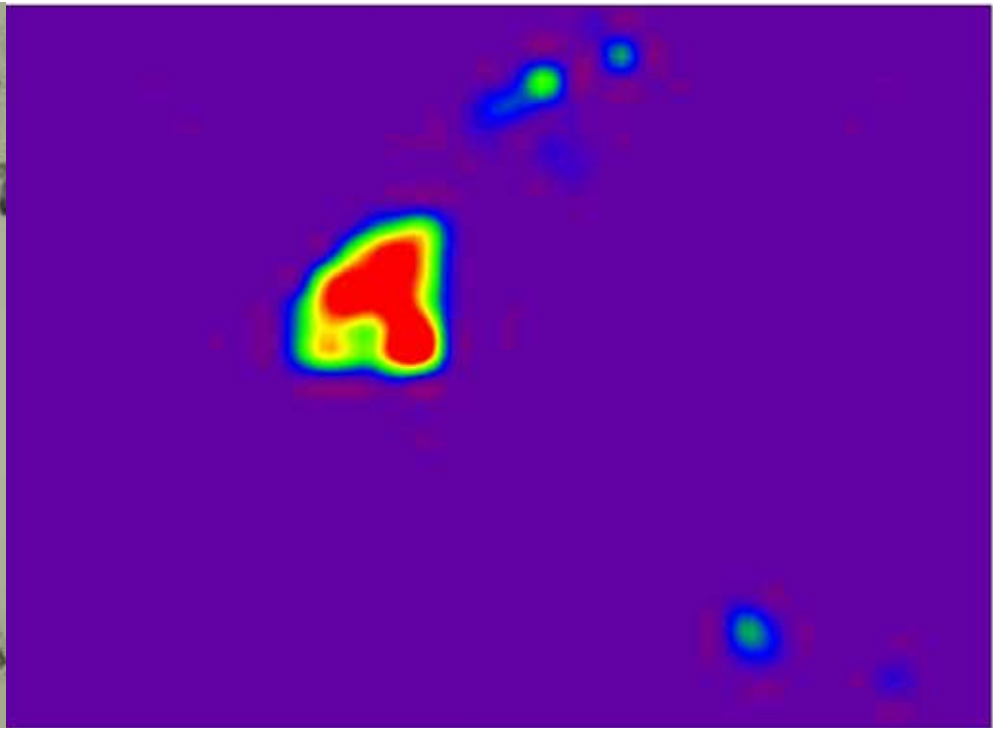
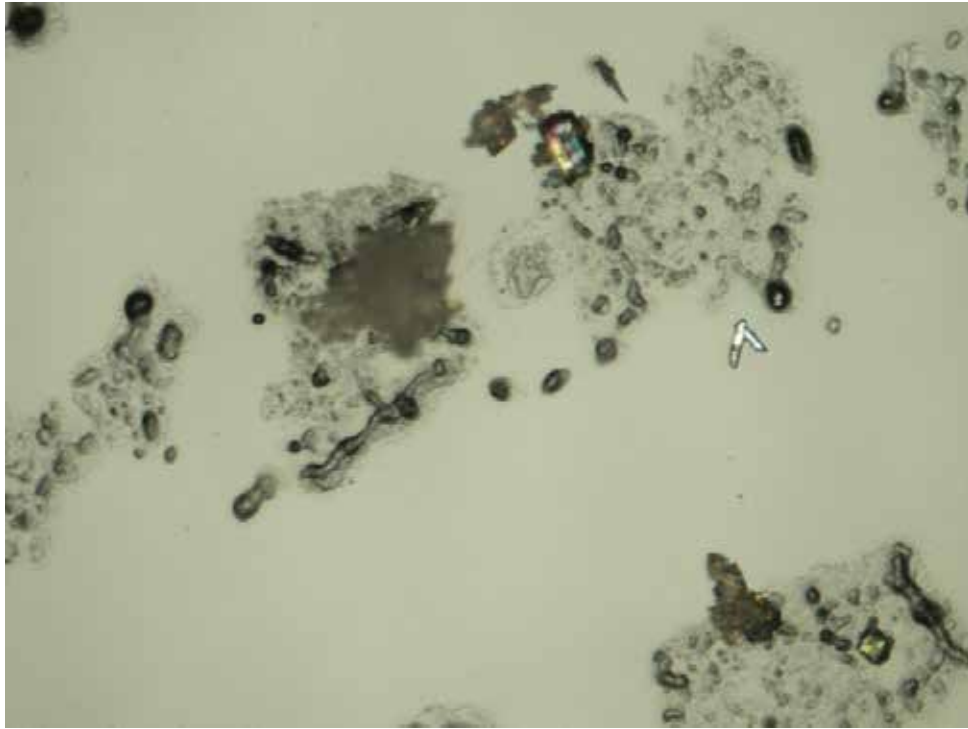


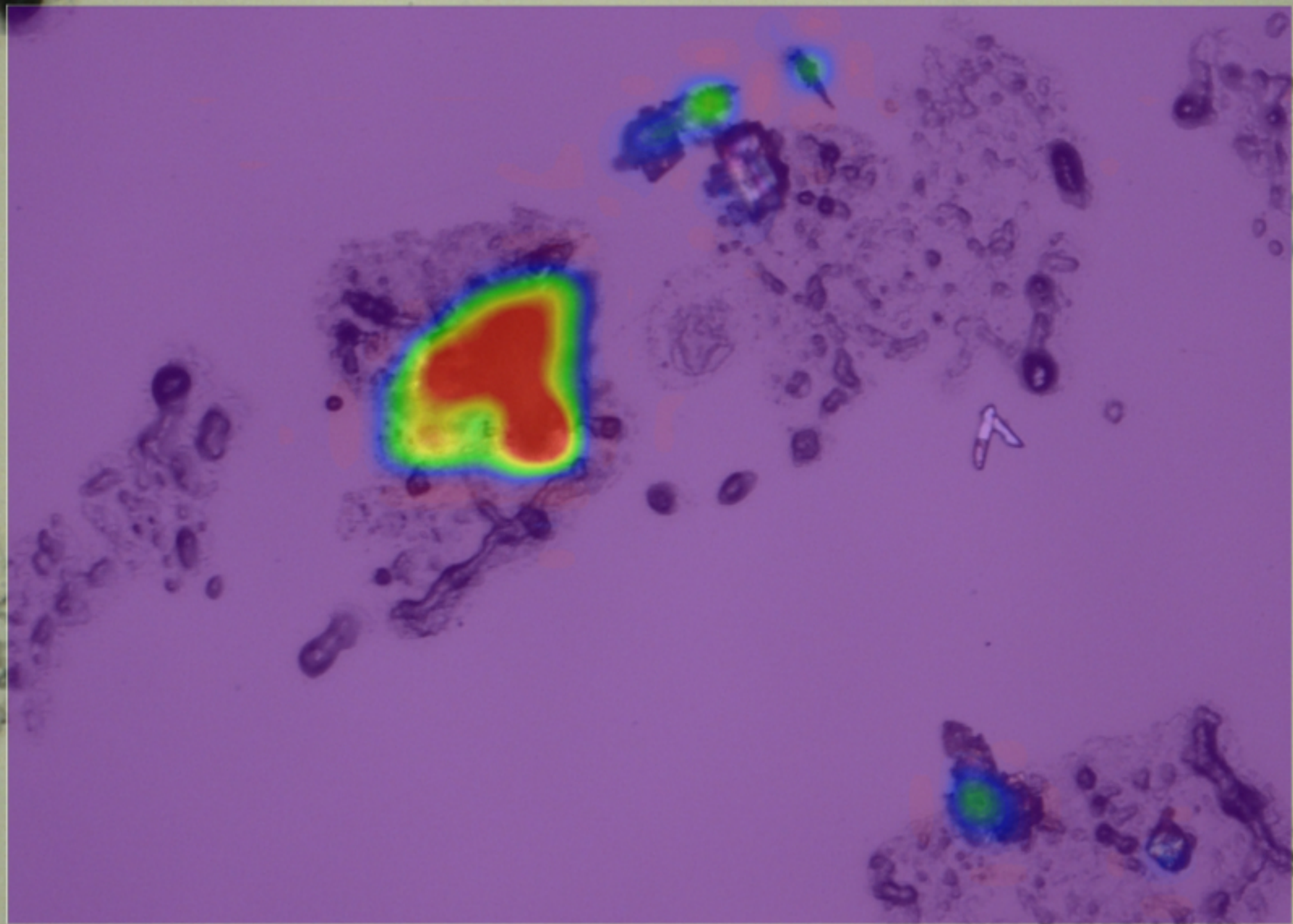
Fingerprint on Glass Without Silver Raman Spectrum Imaging

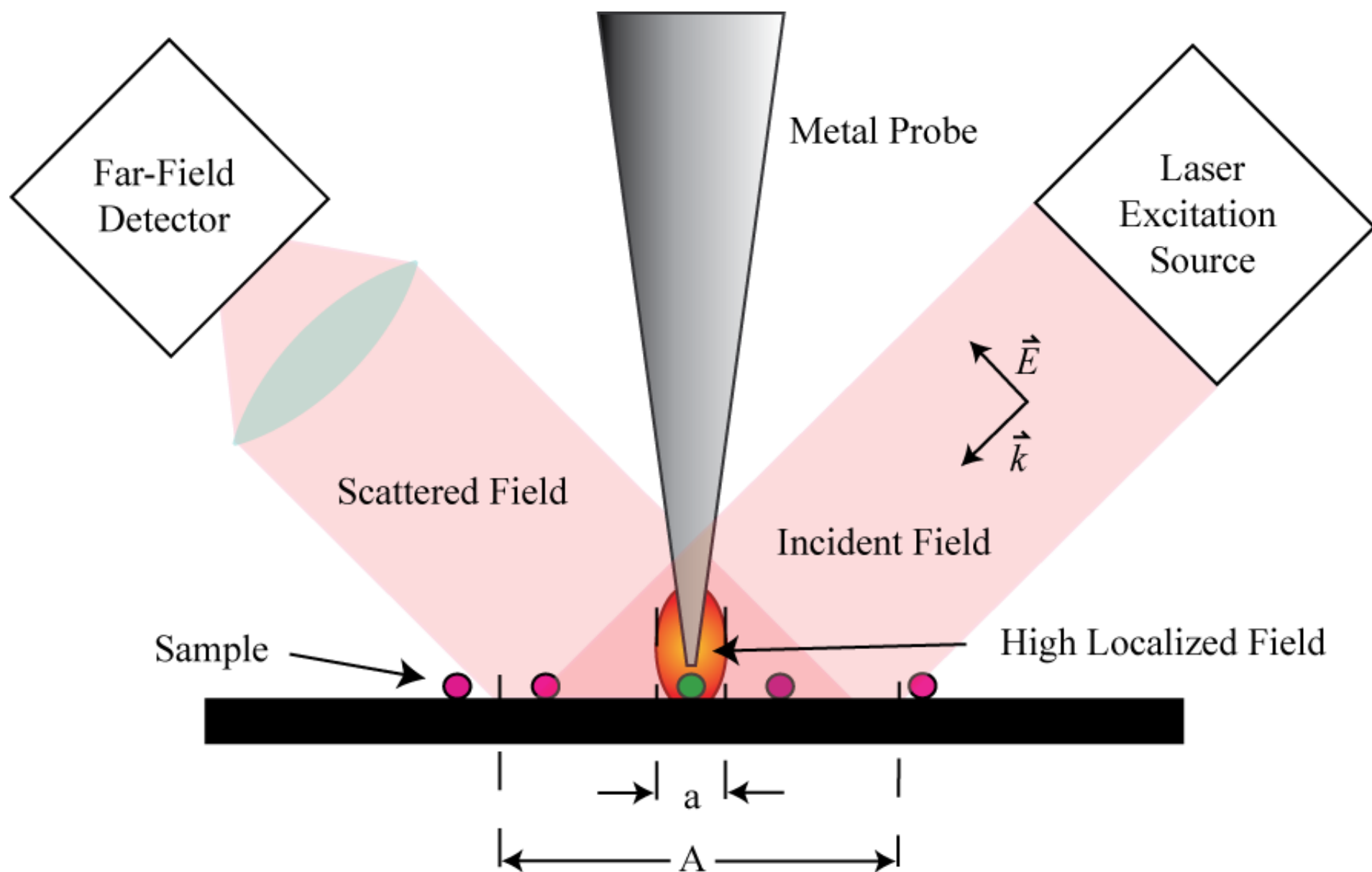


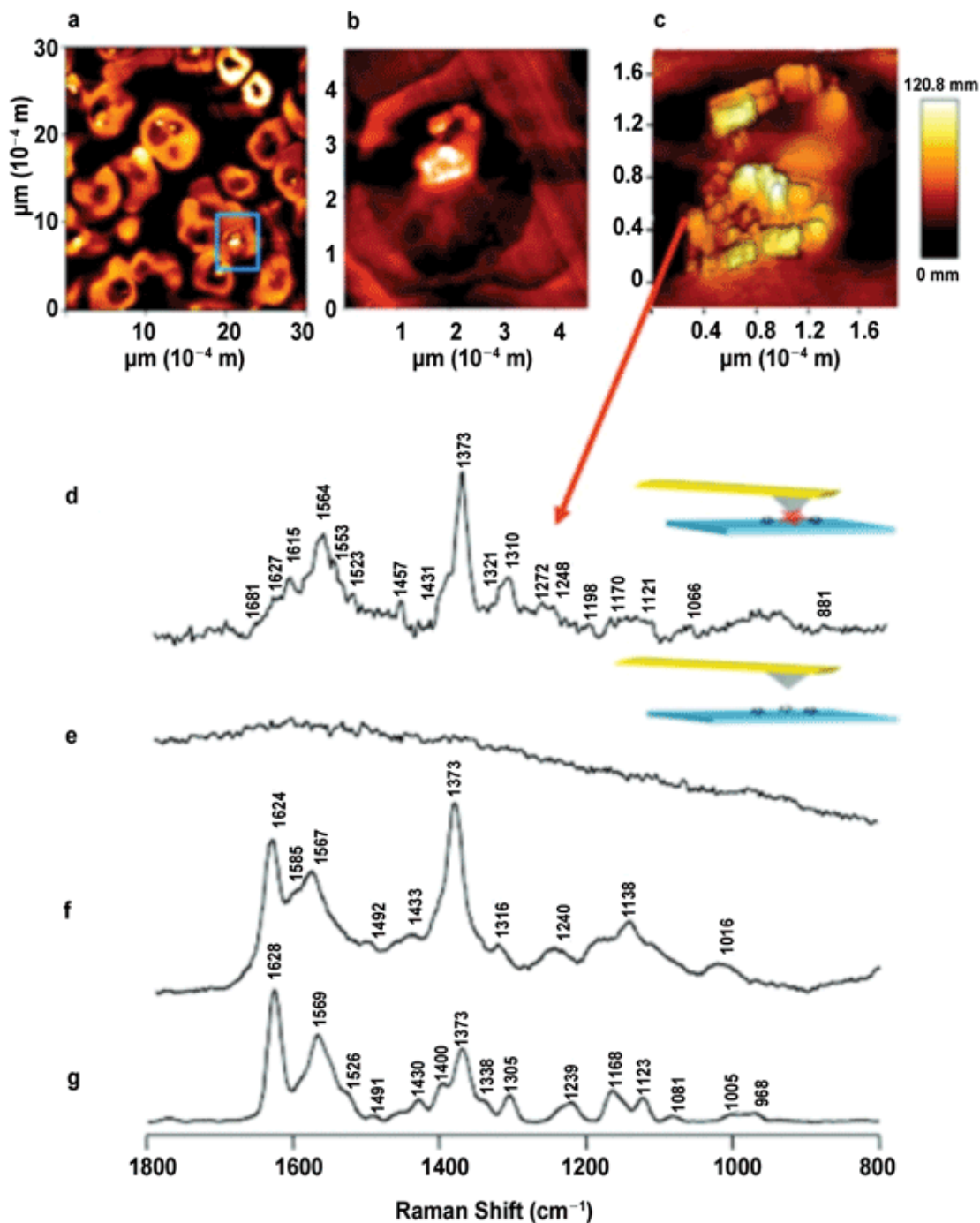
Fingerprint on Glass With Silver Raman Spectrum Imaging





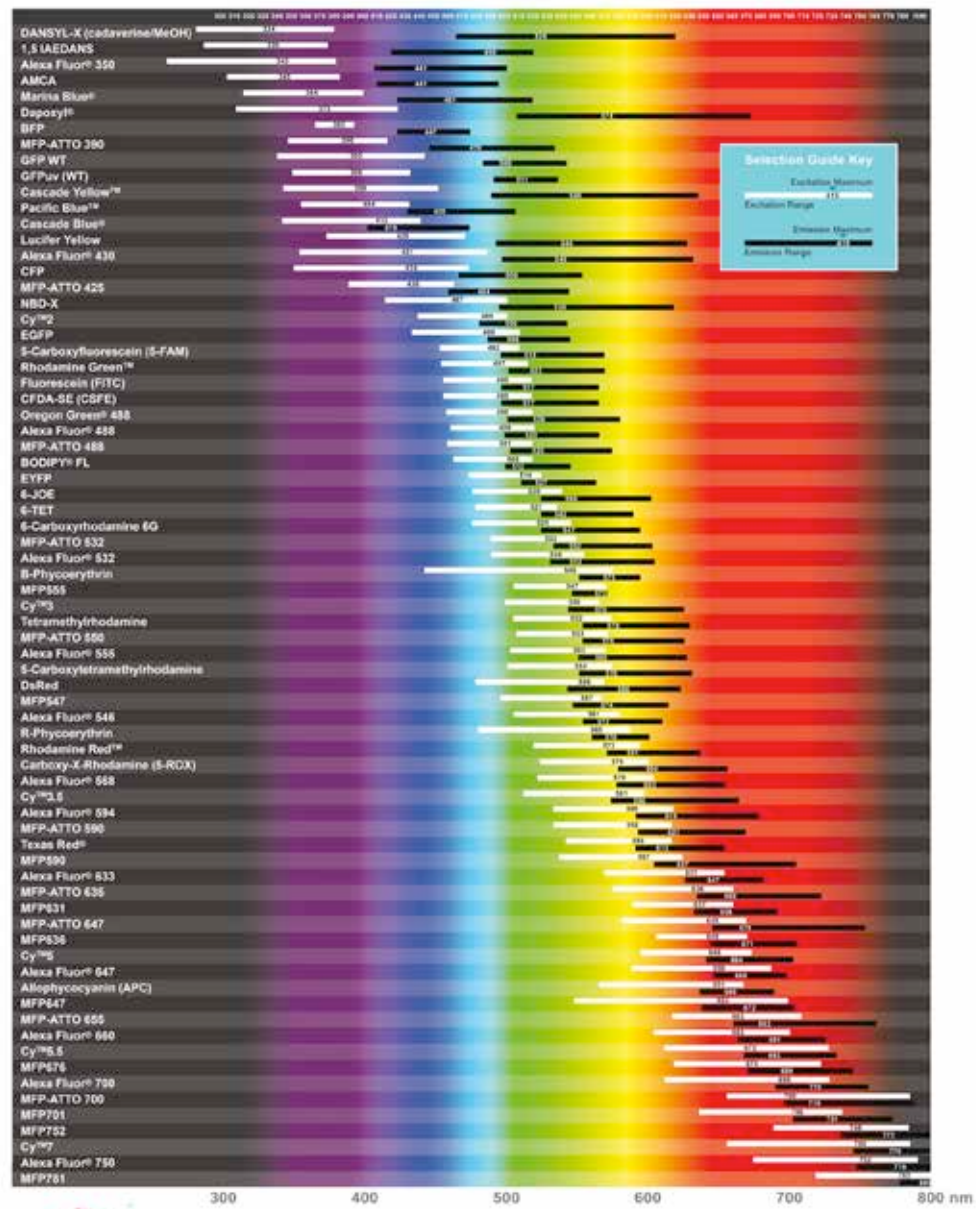






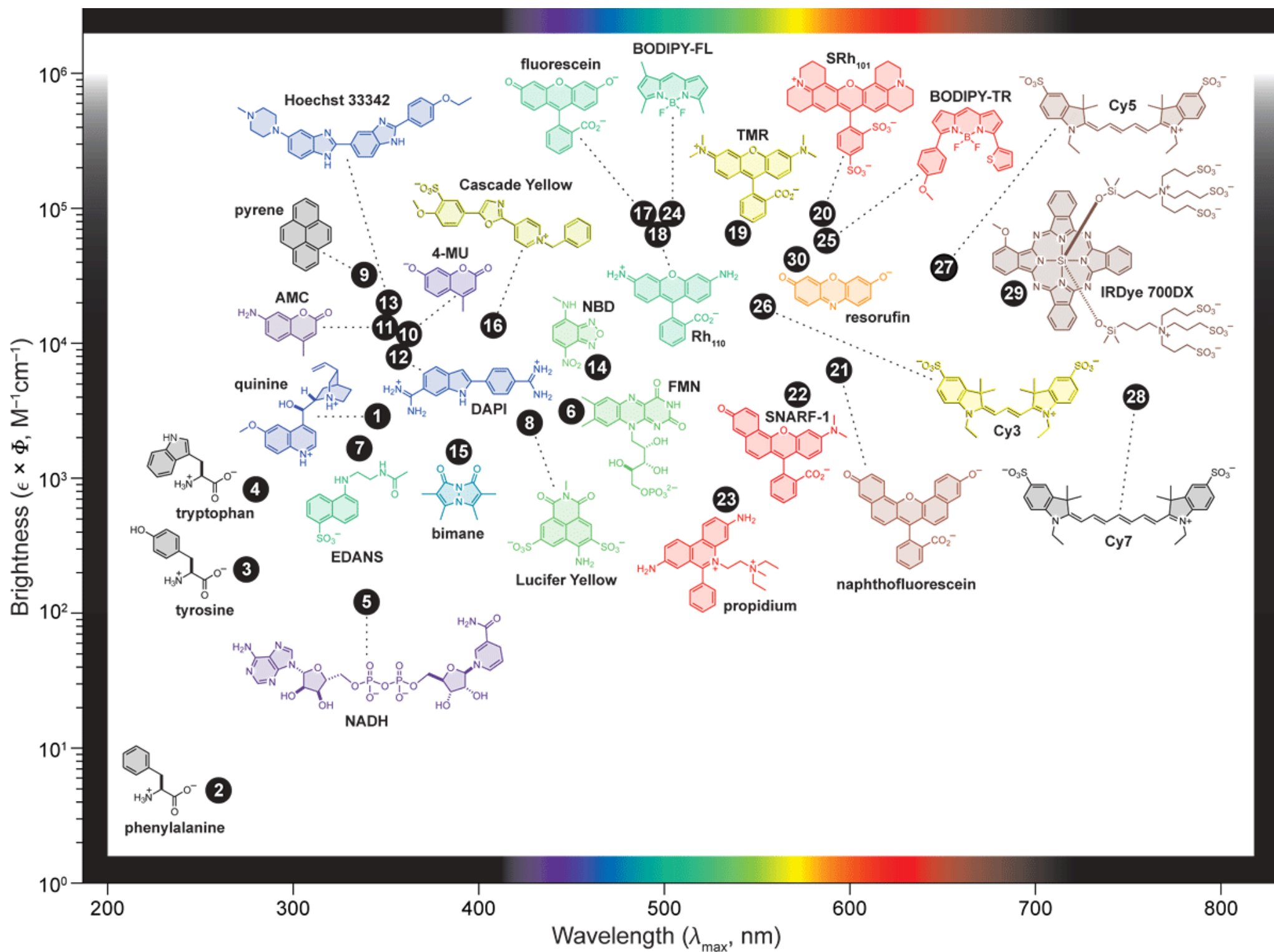
(a-c) AFM images the localization of hemozoin crystals inside sectioned malaria-infected red blood cells. (Below) Tip-enhanced Raman spectroscopy spectrum representing (d) the edge of a hemozoin crystal, (e) the tip lifted up away from the sample several microns, (f) SERS analysis of β -hematin (synthetic analogue of hemozoin), (g) resonance Raman spectrum of β -hematin. Adapted with permission from B.R. Wood et al (2011). Tip-enhanced Raman scattering (TERS) from hemozoin crystals within a sectioned erythrocyte. *Nano Lett*, Vol. 11, pp. 1868-1873. © 2011 American Chemical Society.

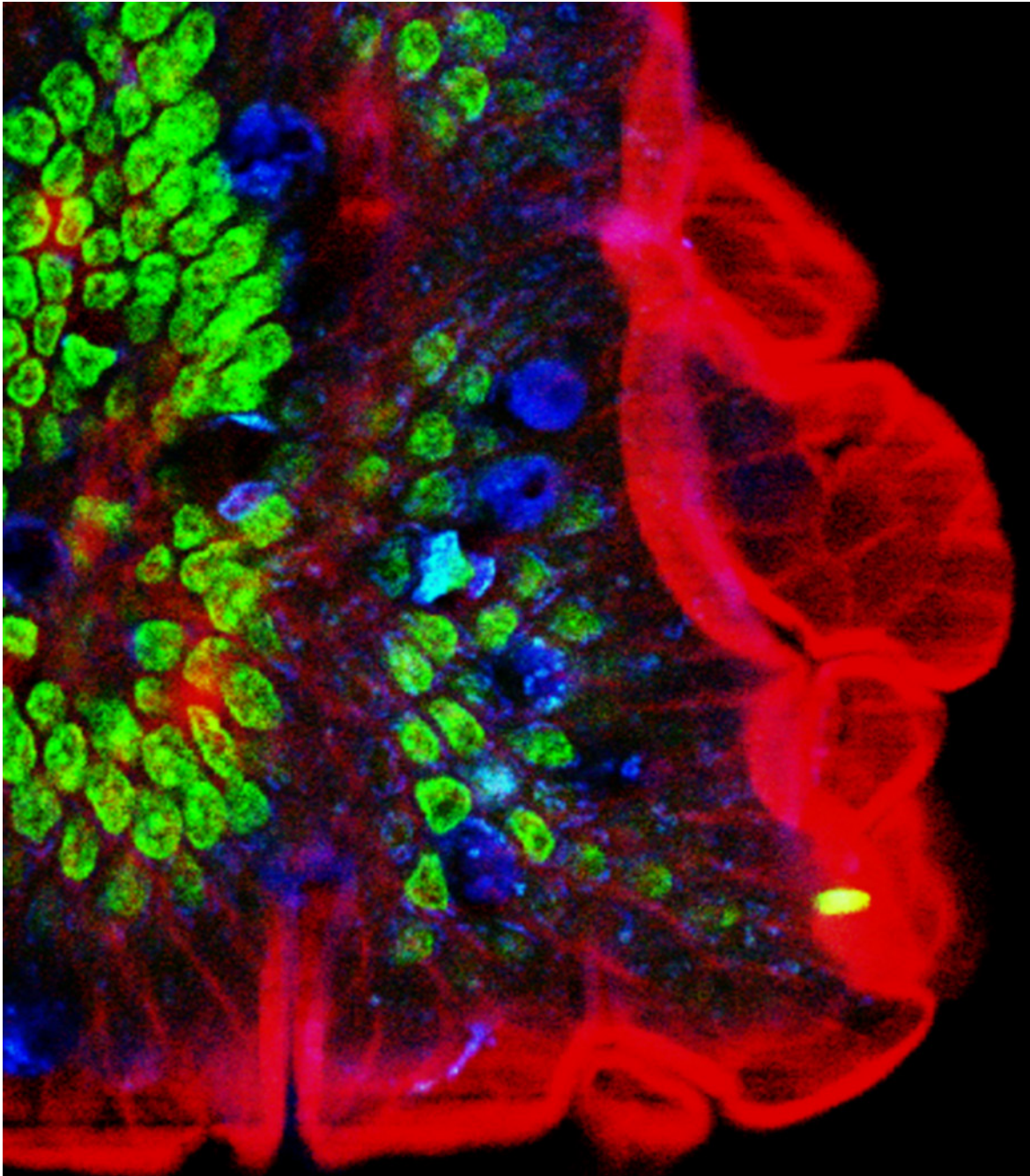
MoBiTec FLUOROPHORE SELECTION GUIDE



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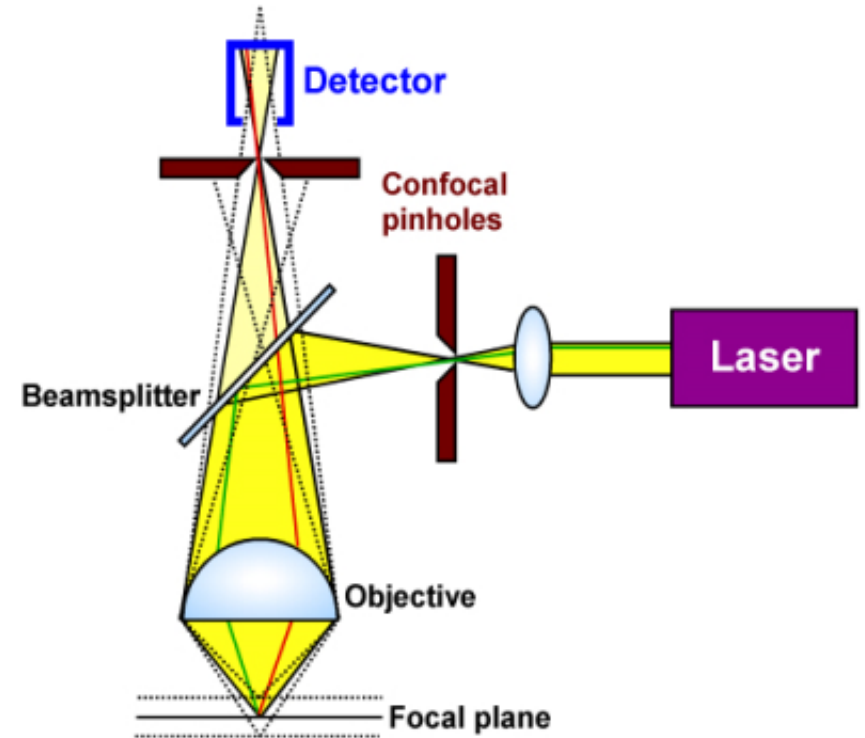


Multiple fluorescence 2PE imaging. 2PE multiple fluorescence image from a 16 μm cryostat section of mouse intestine stained with a combination of fluorescent stains. A blue-fluorescent lectin, was used to stain the mucus of goblet cells. The filamentous actin prevalent in the brush border was stained with red-fluorescent phalloidin. Finally, the nuclei were stained with green

Confocal



Nikon Contest



Fingerprint w TNT Surface Plot

