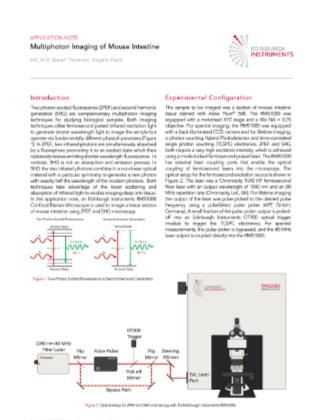


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Multiphoton Imaging of Mouse Intestine

Two-photon excited fluorescence (2PEF) and second harmonic generation (SHG) are complementary multiphoton imaging techniques for studying biological samples. Both utilise femtosecond pulsed infrared excitation light to generate shorter wavelength light to image samples but operate via different physical processes. Both take advantage of the lower scattering and absorption of infrared light to enable deep tissue imaging. In this note, a Confocal Raman Microscope is used to image a tissue section of mouse intestine using 2PEF and SHG microscopy.

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