CORAL – COherent RAman pLatform

Multimodal label-free sub-cellular resolution imaging platform for life science

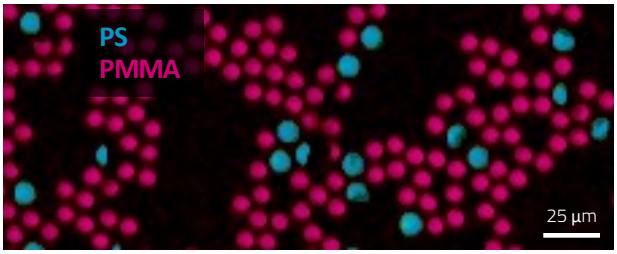
chemometric imaging

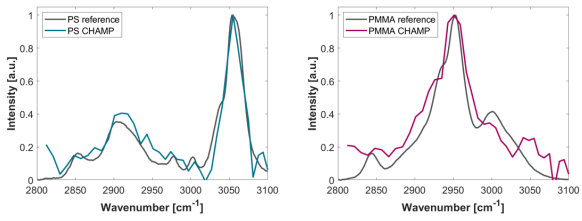
	Performance
Minimum pixel size [nm]	250
Minimum pixel dwell time [µs]	2
Imaging speed [nm/µs]	500*
Raman spectral coverage [cm^{-1}]	2800 - 3100
Raman spectral resolution [cm^{-1}]	≤ 16
Other imaging modalities	TPEF, SHG (EPI)
Acquisition modalities	Z-stack, Time-lapse, Live
Software	CRI MicroGUI

Unique features

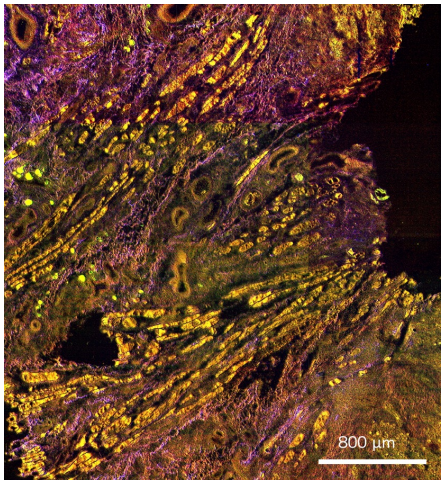
- Inverted transmission multimodal Coherent Raman microscope
- Broadband stimulated Raman scattering in the CH-stretching region
- Strip mosaicing laser scanning for fast large-scale image reconstruction
- Flexible field-of-view selection, time lapse, Z stack
- Compatible with multiple sample preparations and holders (hydrated cells, all tissues, on coverslip, petri dishes and glass slides)
- Turnkey, compact and user-friendly platform
- Powered by unique-on-market broadband coherent Raman technology – STRALE and CHAMP

Plastic microspheres



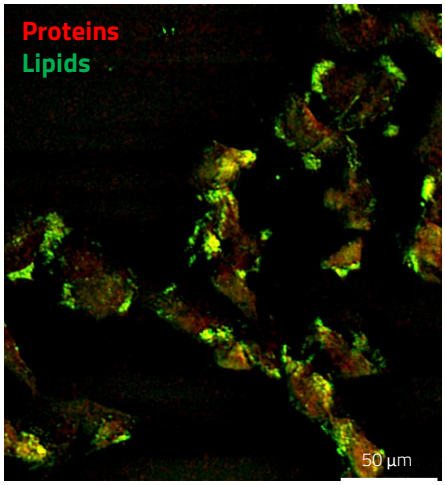


Tissue



Proteins Lipids Collag./Elast.

Cells



Product rendering for illustration purposes only

*Live cell @ 6 fsp (100 µm x 100 µm)

www.cambridgeramanimaging.com