



Marcus Cicerone is a professor of Chemistry at the Georgia Institute of Technology. Professor Cicerone's research has two areas of concentration: coherent Raman imaging, and dynamics of amorphous systems. In 2004 Dr. Cicerone's group introduced broadband coherent anti-Stokes Raman scattering (BCARS) microscopy, which generates label-free chemical maps of cells and tissues with at 300 nm spatial resolution, and full Raman spectra at each pixel, acquired, $\sim 1000X$ faster than possible with spontaneous Raman scattering. This work was recognized among the top 10 innovations in photonics in 2014. His group continues to apply this microscopy to solve biological problems where conventional imaging techniques cannot provide image contrast for key agents.