



Ultrafast Pump Probe Spectroscopy of Biological Processes

Researchers have implemented an ultrafast pump probe spectroscopy setup for stimulated Raman spectroscopy that allows them to correlate energy transfer with vibrations and structural changes. Experiments like this enhance the understanding of complex biological process, for example this approach will be useful for further developing artificial photosynthesis. The pump probe experiments often use sensitive, high resolution spectroscopy systems that can acquire spectral data at kHz rates.

Featured Paper/ Publication: [Two-dimensional electronic-Raman spectroscopy](#), Optics Letters, 2018

Reference Lab: Howe-Siang Tan, Nanyang Technological University, Singapore

Products used: [SpectraPro](#), [PIXIS](#)

