HALCYONE Femto

Fluorescence Upconversion Spectrometer

Femtosecond Fluorescence of DHAQ

DATA EXAMPLE

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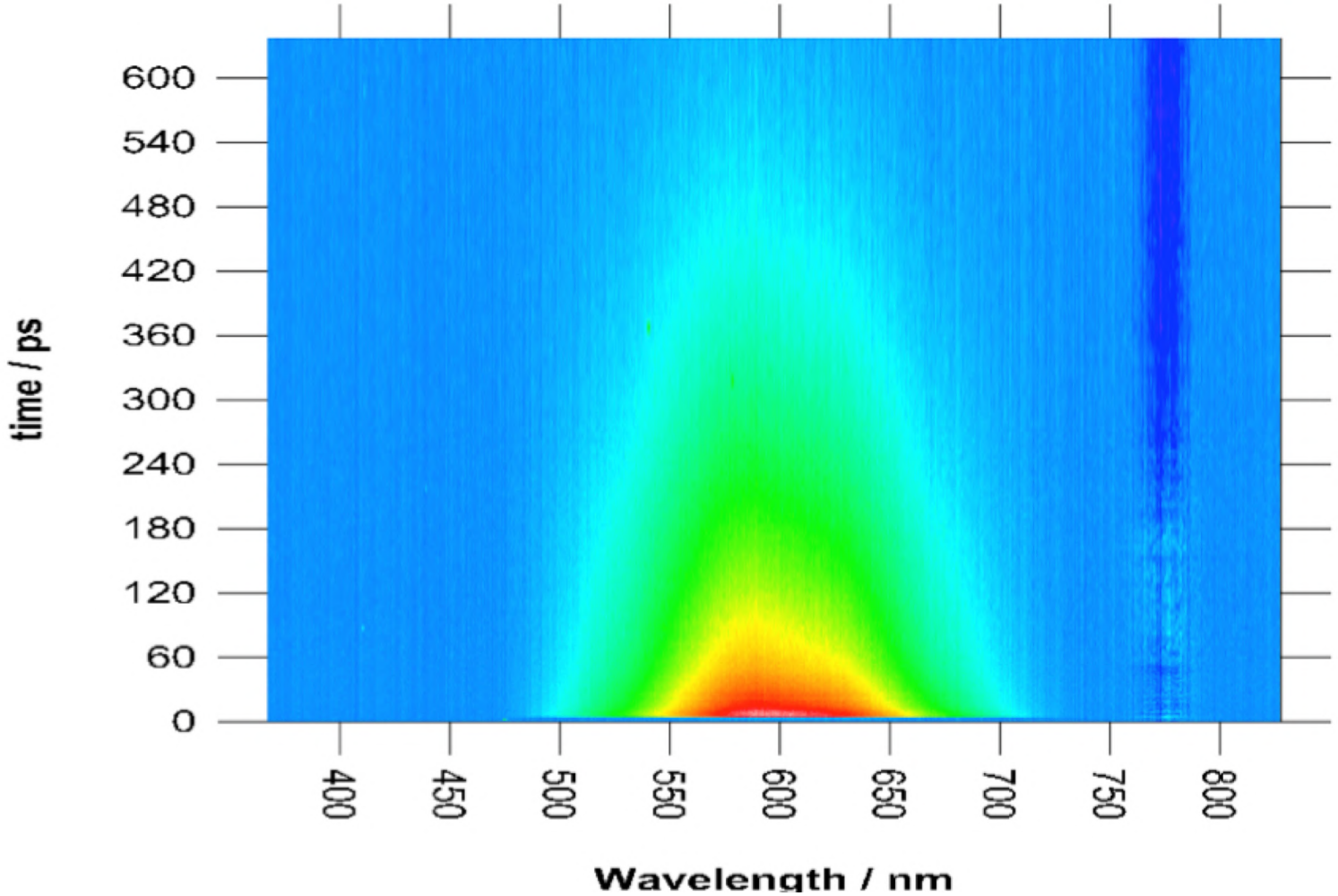
Experiment Details

- Sample: 1,8-Dihydroxyanthroquinone (DHAQ)
- Solvent: Acetonitrile
- Laser / OPA: Coherent Libra @ 1 kHz / Harmonics Generator
- Pump power: 0.5 mW@400nm
- Gate wavelength: 800nm
- Measurement time: 40 min
- Detector: Thermoelectrically Cooled CCD
- SFG crystal angle was scanned at each time point in order to upconvert the entire fluorescence spectrum
- Cosmic ray spikes automatically removed using Surface Xplorer

Dynamic Surface of DHAQ (Bird's Eye View)



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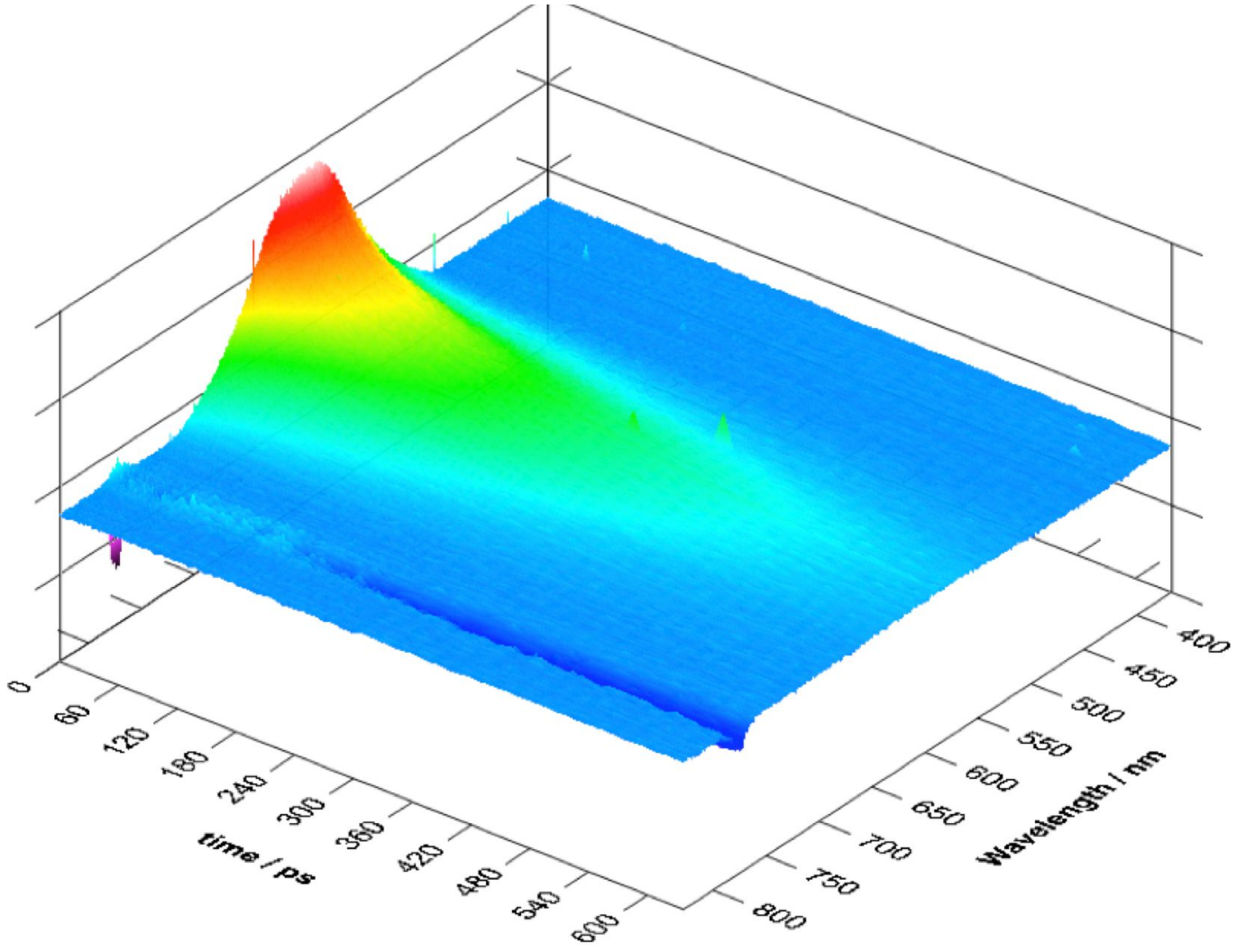
Dynamic Surface of DHAQ (3D View)



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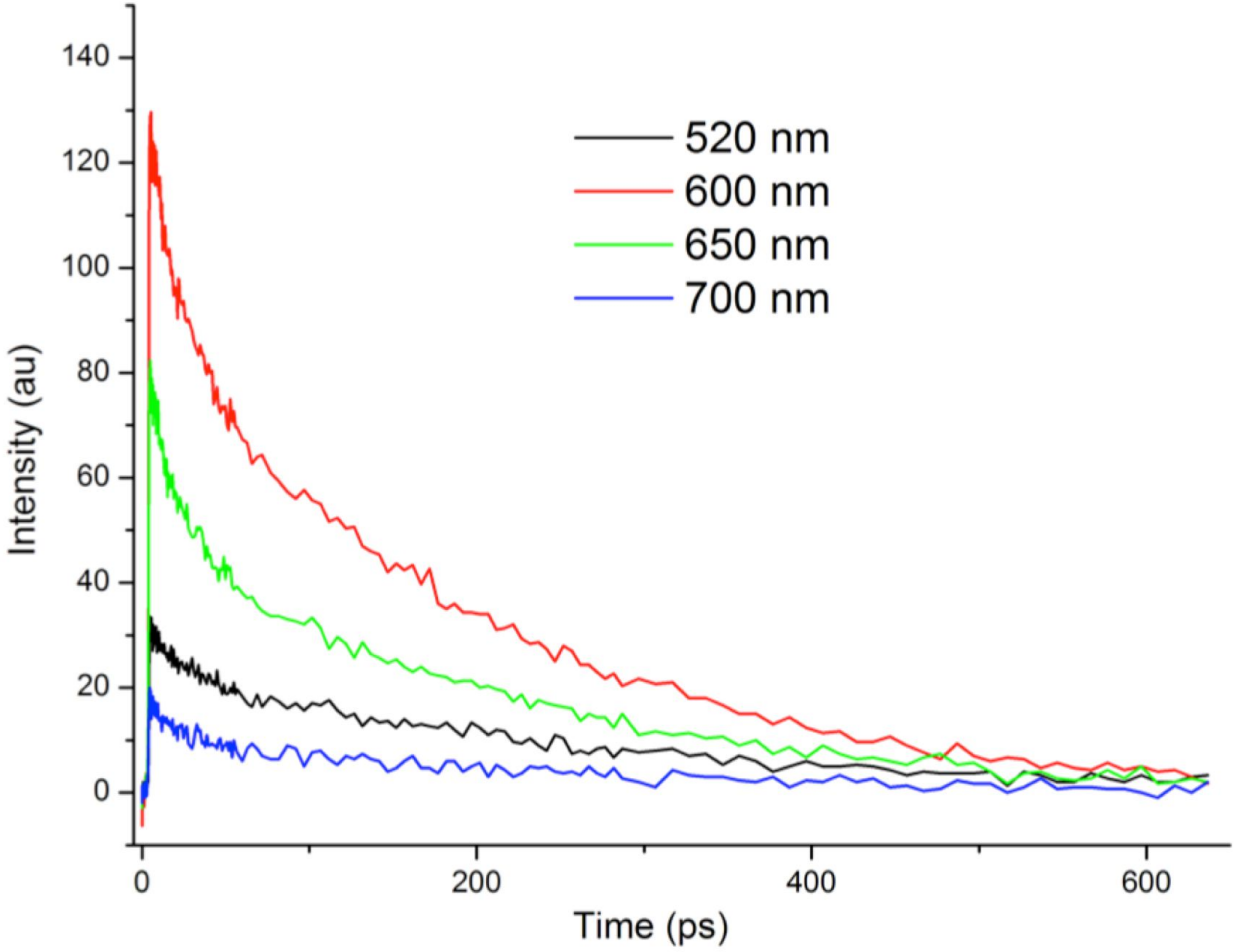
Fluorescence Kinetics of DHAQ in Acetonitrile



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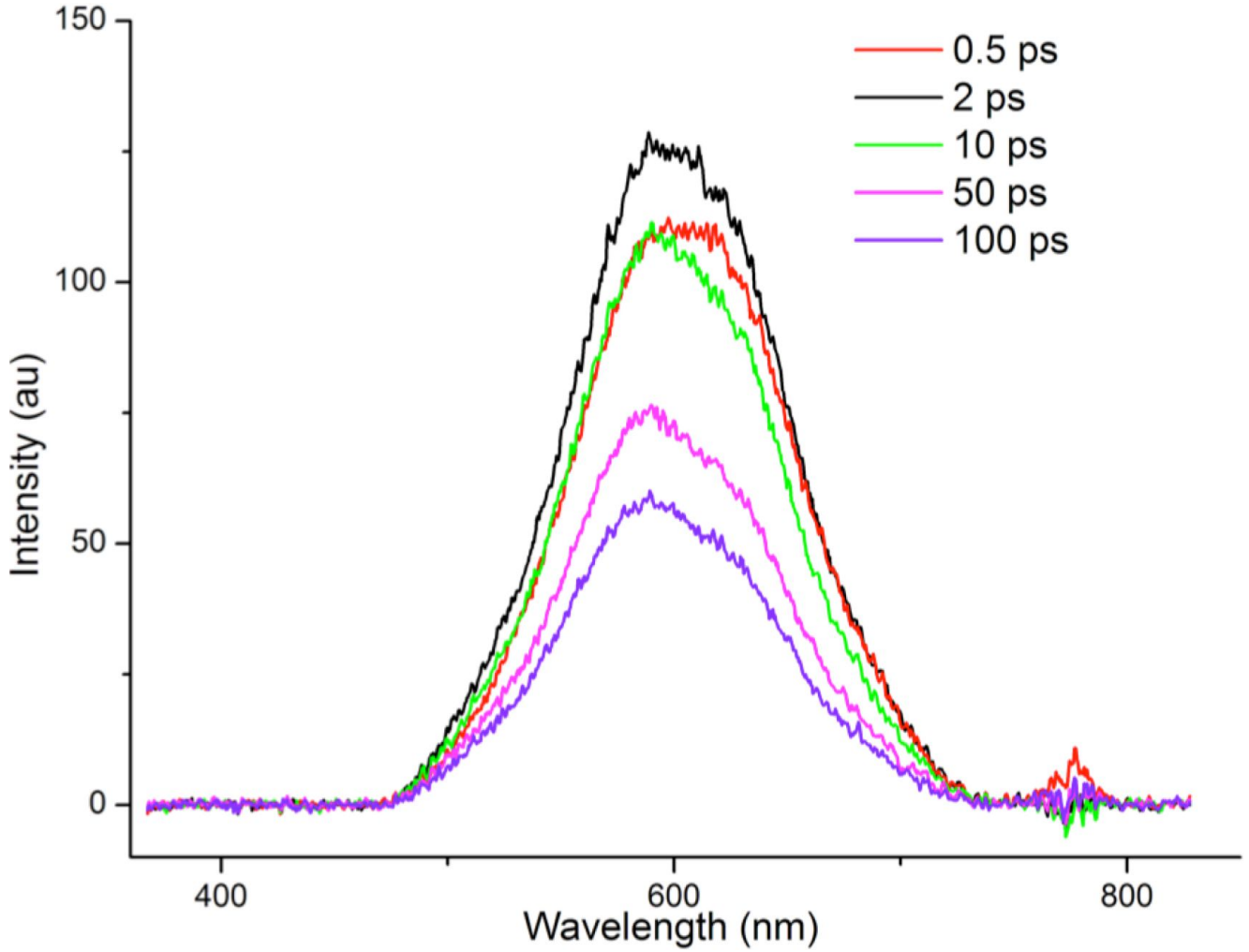
Fluorescence Spectra of DHAQ in Acetonitrile



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