

Resource Summary Report

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Ultrafast Optical Processes Laboratory

RRID:SCR_006582

Type: Tool

Proper Citation

Ultrafast Optical Processes Laboratory (RRID:SCR_006582)

Resource Information

URL: <http://rlbl.chem.upenn.edu>

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Description: Biomedical technology research center and training resource that develops time-resolved laser technologies and instrumentation, with a focus on 2-D IR spectroscopy. The technologies enable atomic-level measurements of the fastest steps in biological processes to elucidate structure and dynamics in biological macromolecules, assemblies and cells. The Center makes most of its instrumentation available for service research projects to outside users nation-wide.

Abbreviations: Ultrafast Optical Processes Laboratory

Synonyms: Laser and Biomedical Technology Laboratories

Resource Type: training resource, service resource, biomedical technology research center, access service resource

Keywords: spectroscopy, structure, dynamics, macromolecule, assembly, cell, optical and laser technology center, laser spectroscopy, biochemical, biophysical, biomedical, laser, biological process

Funding: NIGMS 9P41GM104605;
NCRR P41RR001348

Resource Name: Ultrafast Optical Processes Laboratory

Resource ID: SCR_006582

Alternate IDs: nlx_152664

Record Creation Time: 20220129T080237+0000

Record Last Update: 20260729T044135+0000

Ratings and Alerts

No rating or validation information has been found for Ultrafast Optical Processes Laboratory.

No alerts have been found for Ultrafast Optical Processes Laboratory.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Eisenberg AS, et al. (2014) The broken ring: reduced aromaticity in Lys-Trp cations and high pH tautomer correlates with lower quantum yield and shorter lifetimes. The journal of physical chemistry. B, 118(25), 7059.