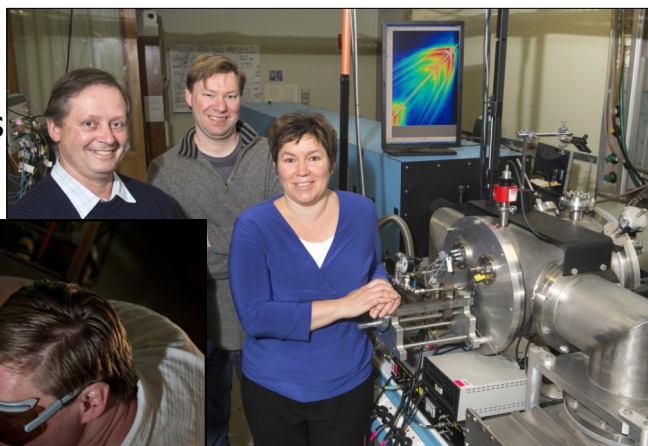


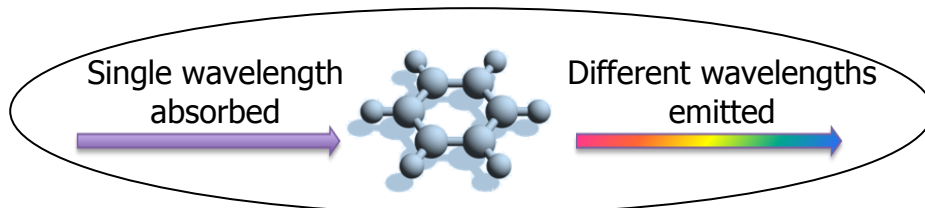
At Flinders University, we use lasers to investigate molecules and small clusters rotating and vibrating freely.



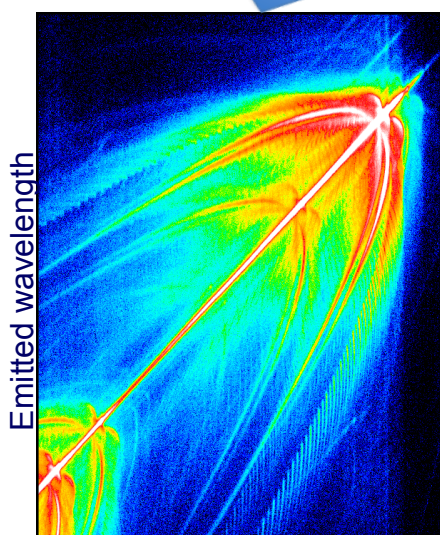
Prof Warren Lawrance, Dr Jason Gascooke, Dr Ula Alexander of the Laser Spectroscopy and Molecular Dynamics Lab, Flinders University



2-dimensional images are created by measuring wavelengths emitted while changing the laser wavelength.

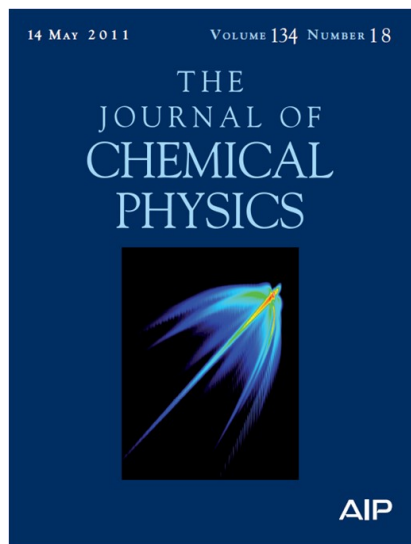


The images are maps of the rotational and vibrational energy levels unique to each molecule. They allow us to find the 3-dimensional structure of the molecule.



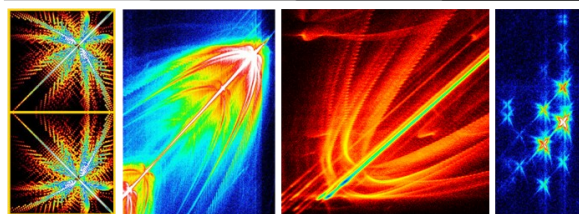
Absorbed wavelength (laser)

Our results have appeared on the cover of an international science journal.



A journal reviewer's comment — "this could be art" — and an invitation to exhibit for SALA has led to us being able to share our work with a wider audience.

Quantum Conversations & the Art of Fluorescence



**Patterns in nature on the molecular level as seen by the Laser Lab, Flinders University.**

Visit: [www.salainc.com.au/artist-portfolio.aspx?artistid=819](http://www.salainc.com.au/artist-portfolio.aspx?artistid=819)

July 29 - Sept 2 for SALA 2012

The Artisan Café (behind Bendigo Bank)  
252 Main Rd, Blackwood | Phone (08) 8278 9888

Visit [www.TheArtisanCafe.com.au](http://www.TheArtisanCafe.com.au) for opening hours.

Opening night - Wed August 1st, 6-7.30pm - All Welcome

**salafESTIVAL**  
South Australian Living Artists  
AUGUST 3-26 2012