

# Masaaki FUJII



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**【Speciality】** Molecular Spectroscopy

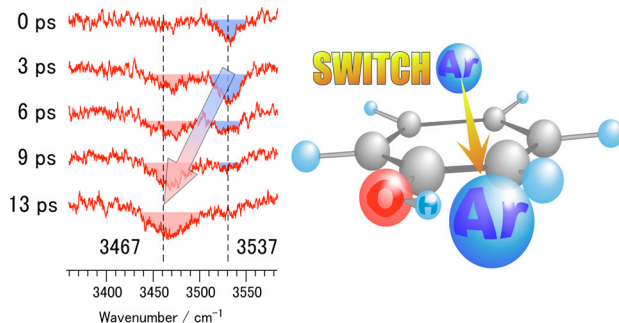
**【 Keywords 】** Two-color spectroscopy, Cluster,  
Super-resolution Micro-spectroscopy,

## 【Research Subject】

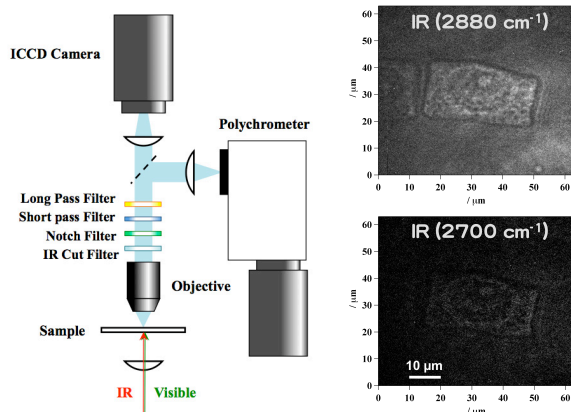
Photoexcitation Dynamics and Elementary Process in Molecular Recognition  
From Cluster to Cell

## Research Group Activity

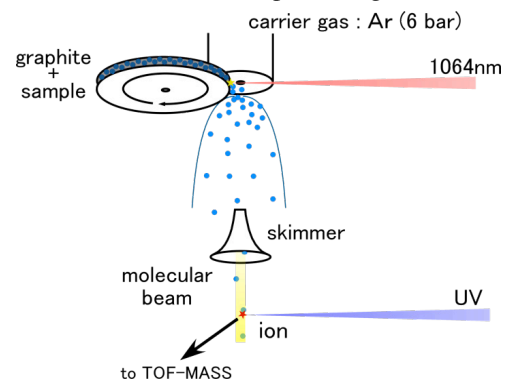
- Structure and Dynamics of Reactive Clusters : Two-color spectroscopies by tunable nano-second and pico-second lasers



- Development of IR Super-resolution Micro-spectroscopy : Infrared vibrational mapping with nano-scale resolution



- Supersonic Jet for Nonvolatile Molecules : Supersonic jet expansion of supercritical fluid / Laser desorption (figure)



- Development of Tunable mid-IR and VUV Lasers : Application of QPM frequency conversion

