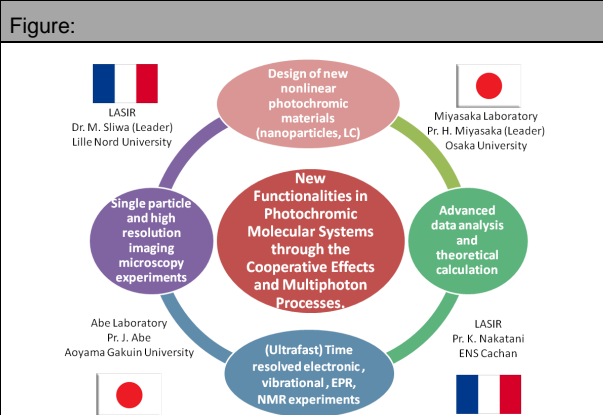


IRG PHENICS ON-GOING COLLABORATION

Title of the collaboration: New Functionalities in Photochromic Molecular Systems through the Cooperative Effects and Multiphoton Processes.

COUNTRY A:	Japan	COUNTRY B:	France
Name of group/Institution:	Osaka Univ.	Name of group/Institution:	Univ. Lille 1
Name:	Hiroshi Miyasaka	Name:	Michel Sliwa
Other participants:		Other participants:	C. Ruckebusch, S. Delbaere, H. Vezin, B. Debus
Role in the collaboration:	Ultrafast UV-visible spectroscopy, Spectroscopic studies	Role in the collaboration:	Ultrafast Vibrational spectroscopy, NMR, Imaging EPR, data analysis
Name of group/Institution:	Aoyama Gakuin Univ.	Name of group/Institution:	ENS Cachan
Name:	Jiro Abe	Name:	Keitaro Nakatani
Other participants:		Other participants:	R. Métivier
Role in the collaboration:	Synthesis, EPR studies, theoretical calculations	Role in the collaboration:	Synthesis of nanocrystals, Single particle spectroscopy; reaction quantum yield

Background, objectives, results:
This project aims at the development of new photochromic molecules and molecular assemblies, and the exploitation of cooperative effects and multiphoton processes leading to nonlinear behaviors.



Common publications, communications, bilateral funding, invitation funding, co-tutoring of students, ...:

- CNRS-JSPS Joint Project 2012-2013
- Invited Professor Position at Univ. Lille 1 (Hiroshi Miyasaka)