



# Photo-active molecules and materials: synthesis, photophysics and modeling

## 30<sup>th</sup> of November 2017 – Laplace Building – Salle Renaudeau

09:00-09:05 *Introduction*

**09:05-09:40 Pr Hiroshi Miyasaka** – Osaka University, Japan  
“Photosynthetic responses: multiphoton-gated photochromic reactions”

**09:40-09:50 Yuka Tachii** – Osaka University, Japan  
“Multiphoton cycloreversion reaction of a diarylethene derivative along the coherent wavepacket motion in the low excited state”

**09:50-10:00 Tatsuhiro Nagasaka** – Osaka University, Japan  
“Efficient cycloreversion reaction of a diarylethene derivative by off-resonant simultaneous two-photon excitation”

**10:00-10:15 Masafumi Koga** – Osaka University, Japan  
“Ultrafast photoionization dynamics of a phenylenediamine derivative by femtosecond two-photon excitation”

10:15-10:40 *Coffee break*

**10:40-11:20 Pr Janusz Zakrzewski** – Łódź University, Poland  
“Thioamides as starting materials for the synthesis of novel heterocyclic fluorophores”

**11:20-12:00 Dr Joanna Jankowska** – Institute of Physics, Polish Academy of Sciences, Warsaw, Poland  
“Non-adiabatic molecular dynamics studies on photorelaxation pathways in photoswitchable molecular systems”

12:00-13:30 *Lunch break*

**13:30-14:05 Pr Jiro Abe** – Aoyama Gakuin University, Japan  
“Photochromism of HABI families”

**14:05-14:20 Ayako Tokunaga** – Aoyama Gakuin University, Japan  
“Wavelength-selective photochromic reaction of a biphotocromic molecule composed of a positive and a negative photochromophores”

**14:20-14:35 Yuki Inagaki** – Aoyama Gakuin University, Japan  
“A simple and effective strategy for intense coloration and fast decoloration of photochromic naphthopyran derivatives”

14:35-15:00 *Questions and concluding remarks*