# ISHII LAB.

## [Development of Functional Molecules]

Department of Materials and Environmental Science

Functional Metal Complexes Chemistry

Department of Applied Chemistry

http://www.k-ishiilab.iis.u-tokyo.ac.jp

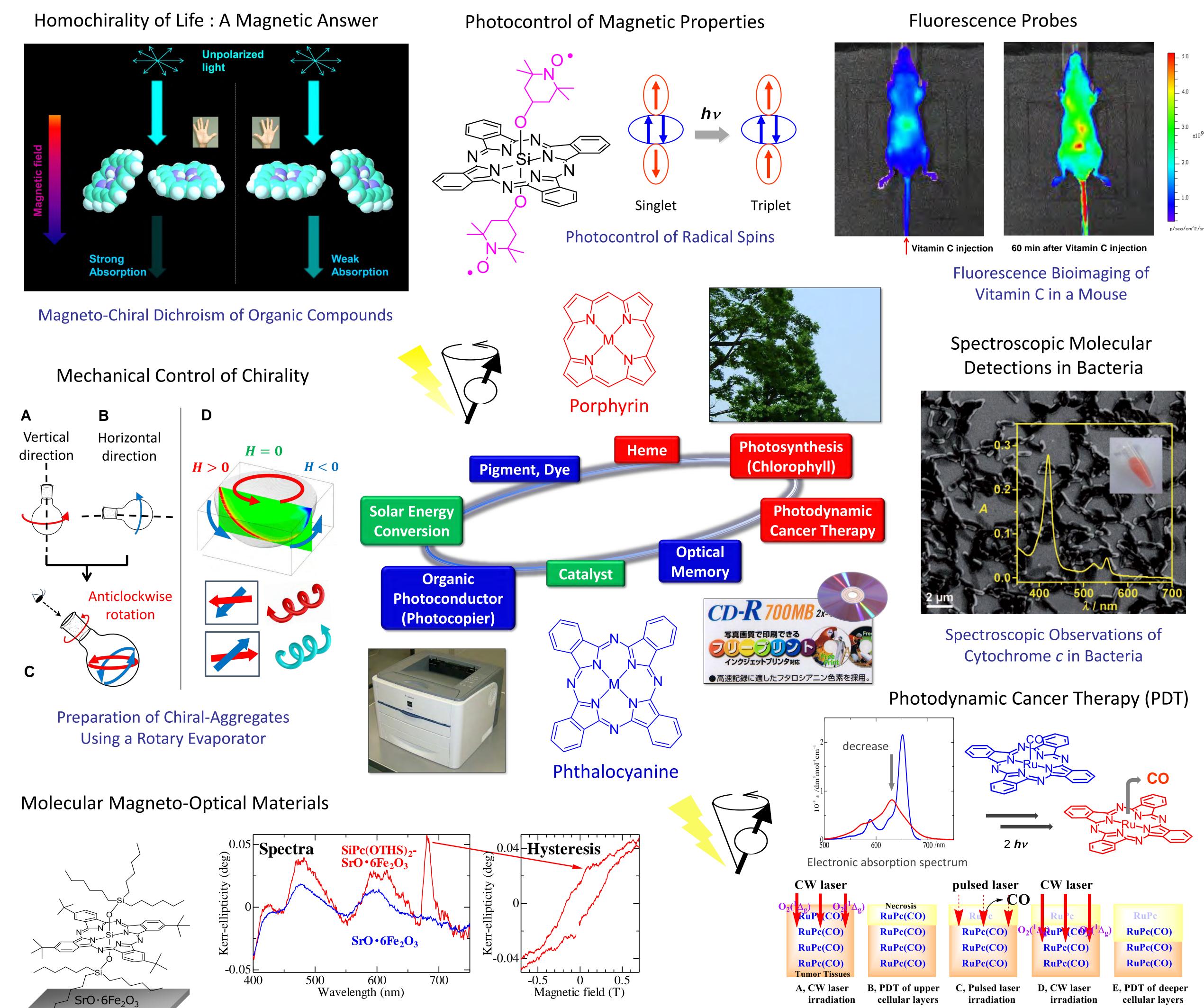
## **Functionalization of Molecules**

The discovery and elucidation of new electronic structures are important not only for pioneering frontier science but also for developing new functions. Since metal complexes have various electronic structures, coordination chemistry is promising for designing electronic properties. We aim to create novel functions of organic-inorganic hybrid compounds in terms of coordination chemistry, photochemistry, and spin chemistry.

#### **Chemistry of Photofunctional Molecules**

### Chemistry of Biofunctional Molecules

PDT of Deeper Tumor Tissues



Molecular Magnetic Hysteresis at Room Temperature