



HOKKAIDO UNIVERSITY

# AMBITIOUS LEADER'S PROGRAM

Fostering Future Leaders to Open New Frontiers in Materials Science

**Ambitious 物質科学セミナー**

## Photonic and Electronic Properties of New Supramolecular Scaffolds

**Professor Jean Weiss**  
**Université de Strasbourg, France**



**平成31年2月14日(木) 13:30~**

**理学部本館 3階 N308 室**

This presentation will discuss the use of photo and redox active structures in functional molecules ranging from elaborated bioinorganic models to supramolecular scaffolds and self-assemblies. A large part of our contribution to the field of porphyrin chemistry is based on a phenanthroline strapped porphyrin which can be prepared on large scale and functionalized to yield efficient cytochrome c oxidase models. Another area of our activities is concentrated on molecular optical or redox switches initially utilizing porphyrins and nowadays using cyclophanes of viologens, or combinations of porphyrins with other chromophores such as diarylethenes. All fields will be illustrated with our most significant results.

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