



Université Blaise Pascal

UNIVERSITÉ BLAISE PASCAL  
U.F.R de Recherche Scientifique et Technique



## CYCLE DE CONFÉRENCES DE CHIMIE

Avec le concours de : *Manufacture Française des Pneumatiques MICHELIN*  
*Centre de Développement Préclinique, Schering-Plough*  
*Fédération de Chimie (FR 2404)*  
*Section Auvergne de la Société Française de Chimie*  
*U.F.R.S.T. / Master de Chimie / Département de Chimie*

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**Lundi 20 septembre 2010 à 10 h (Hors cycle)**

**Amphi 107 - Département de Physique –  
(Site des Cézeaux)**

### **Pr. Nagao KOBAYASHI**

*Graduate School of Science, Université de TOHOKU (SENDAI, Japan)*  
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### **Rational Assignment of the Absorption Bands of Porphyrin-Naphthalocyanine Rare-Earth Sandwich Compounds and Planar Porphyrin Sheets by MCD Spectroscopy**

#### Research Fields

Functional material chemistry , Structural/functional materials, Inorganic chemistry

#### Keywords

phthalocyanine, porphyrin, synthesis, properties, spectroscopy

**Academic Society Membership :** Society of Porphyrins & Phthalocyanines (Secretary)  
Japan Society of Coordination Chemistry

#### Original Papers

Cation- or Solvent-induced Supramolecular Phthalocyanine Formation : Crown Ether Substituted Phthalocyanines.[J. Am. Chem. Soc.,109,(1987)]

New Route to Unsymmetrical Phthalocyanine Analogues by the Use of Structurally Distorted Subphthalocyanines.[J. Am. Chem. Soc.,112,(1990)]

Syntheses, Spectroscopy, Electrochemistry, Spectroelectrochemistry, LB Film Formation, and Molecular Orbital Calculations of Planar Binuclear Phthalocyanines.[J. Am. Chem. Soc.,116,(1994)]

Substituent-Induced Circular Dichroism in Phthalocyanines.[J. Am. Chem. Soc.,121,(1999),12018-12028] N. Kobayashi, R. Higashi, B. C. Titeca, F. Lamote, and A. Ceulemans

Synthesis and Characterization of meso-Triarylsubporphyrins.[J. Am. Chem. Soc.,129(26),(2007),8271-8281] Y. Takeuchi, A. Matsuda, N. Kobayashi

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