Séminaire - Prof. Piotr Kaszynski
Jeudi 19 Octobre 2017, 14h - salle S112

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ABSTRACT

A recently discovered method for selective activation of the B–H bonds in closo-borates towards nucleophilic substitution through arylidonium zwitterions[1] has opened up a convenient access to a large variety of polar and ionic self-organizing materials.[2] Such zwitterions are easily obtained from closo-borates and ArI(OAc)2 and undergo facile reactions with nucleophiles according to the 10-I-3 or 9-I-2 mechanism. Appropriate derivatization of the resulting functionalized closo-borates leads to polar or ionic liquid crystals. The former are pyridinium, sulfonium, or quinuclidinium zwitterionic derivatives I and II, and are of interest as high dielectric anisotropy (##) additives to materials for LCD applications.[3] Ionic liquid crystals (ILC) are being developed as anisotropic ion conductors (electrolytes) for battery applications.

Pr. Kaszynski donnera aussi des cours aux étudiants de Master, au sujet des radicaux organiques stables, et vous êtes invités à nous rejoindre :

- Jeudi 19 octobre, de 8h00 à 11h00, salle 35
- Vendredi 20 octobre, de 8h00 à 9h40, salle 23