

DIRECTION DES SCIENCES DE LA MATIERE,
INSTITUT RAYONNEMENT MATIÈRE DE SACLAY

SERVICE DE PHYSIQUE ET DE CHIMIE DES SURFACES ET DES INTERFACES

SEMINAIRE *

Vendredi 19 juin 2009 à 11h00

Bâtiment 466, salle 111 - CEA Saclay, 91191, Gif sur Yvette

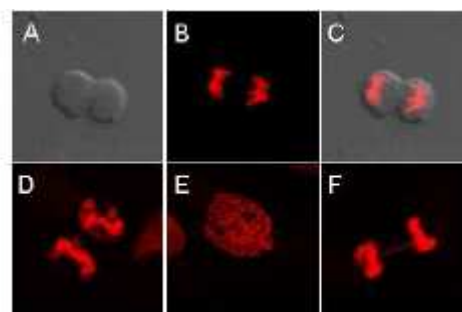
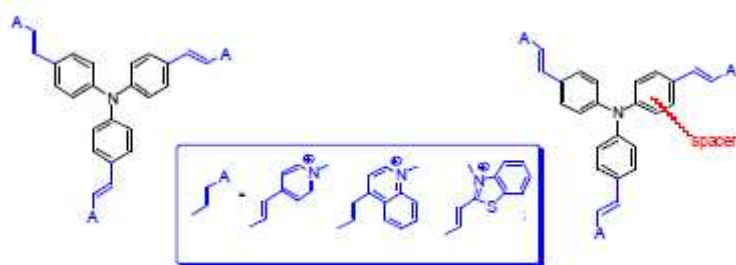
Probes for Structural Recognition and Fluorescent Detection of Nucleic Acids.

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Invité par Fabrice Charra

The design of molecules that can recognize specific structures of nucleic acids is a research goal that is important both for understanding nucleic acid molecular recognition as well as for the development of new therapeutics and reagents for biotechnology. In recent years, increasing knowledge on the structure and dynamics of nucleic acids has led to the identification of a number of structural motifs as potential “drugable” sites. Amongst these are DNA quadruplexes which are tetrahelical structures that could act as molecular switches of DNA-related biological functions. In addition, the detection and optical tracking of nucleic acids using specific fluorescent probes has become increasingly important for a variety of analytic and diagnostic applications. Along these two lines, we have developed a number of new structural and fluorescent probes based on various heterocyclic scaffolds; their design, recognition modes and fluorescent properties will be presented.



* SERA PRECEDE D'UNE PAUSE-CAFE A PARTIR DE 10H30

lités d'entrée : Contacter le secrétariat pour l'établissement de votre autorisation d'entrée sur le centre de Saclay.
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