



ALMA MATER STUDIORUM · UNIVERSITÀ DI BOLOGNA  
DIPARTIMENTO DI CHIMICA G. CIAMICIAN  
VIA F. SELMI 2 - 40126 BOLOGNA – ITALY

*Alle ore 14.30 del giorno Giovedì 15 Novembre 2018*

*presso Aula IV*

*del Dipartimento di Chimica "G. Ciamician"*

**Il Dott. Xavier Guinchard**

ICNS – CNRs Gif-sur-Yvette

Francia

terrà il seminario dal titolo:

**Gold(I)-catalyzed functionalization of indoles**

Tutti gli interessati sono invitati a partecipare

per informazioni

Prof. Marco Bandini

Il Direttore

Prof. Francesco Paolucci

## Gold(I)-Catalyzed Functionalization of Indoles

X. Guinchard

Institut de Chimie des Substances Naturelles, CNRS UPR 2301, Université Paris-Sud, Université Paris-Saclay, 1 av. de la Terrasse, 91198 Gif-sur-Yvette, France  
[xavier.guinchard@cnrs.fr](mailto:xavier.guinchard@cnrs.fr)

Indoles are fascinating heterocycles that are present in thousands of natural products. More than 150 years after its discovery, the chemistry related to indole derivatives is more than ever dynamic and inspiring to organic chemists. The last decades have also witnessed the rise of the homogeneous gold catalysis using stabilized Au(I) complexes, while it was thought that gold complexes were inert for catalysis in synthetic chemistry. Our approach is to combine the unique properties of indolic compounds and their derivatives with the unique reactivity of Au(I) complexes, including in an asymmetric manner, to develop methodologies enabling the synthesis of chiral, complex indole derivatives.

