

## AVVISO DI SEMINARIO

Lunedì 4 Febbraio 2019 alle ore 15.00

presso l'Area della Ricerca di Pisa, Aula 33, Edificio A, Piano terra

***Il Dr. José Gonzalez-Rivera***

Dipartimento di Farmacia - Unipi

*terrà un seminario sul tema:*

# **Microwave assisted synthesis of nanoparticles: from magnetic to fluorescent materials**

Microwave assisted technology (MW) is a promising tool for synthesis of metal nanoparticles. MW assisted chemistry significantly reduces the processing time and energy costs and provides higher conversion compared to conventional methods. In this work, different methods to synthesize different nanoscale materials such as, metal nanoparticles, magnetic iron oxide nanoparticles and silicon based fluorescent nanoparticles will be presented. The morphology and structural characterization of the different materials is fully discussed.