



Martedì 16 Ottobre 2018
alle ore 11.00

presso Aula 1 dell'Edificio F
Area della Ricerca CNR
Via Madonna del Piano, 10 Sesto Fiorentino (Firenze)

il **Prof. Nguyễn Thị Kim Thanh**
Dept. of Physics and Astronomy
University College London (UK)

terrà il seguente seminario:

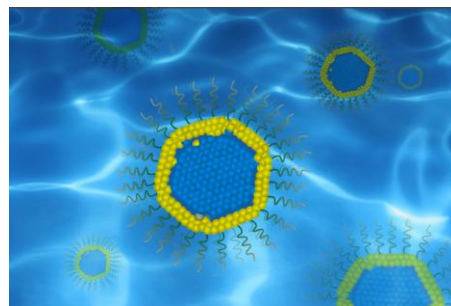
"Plasmonic and Magnetic nanoparticles for biomedical applications"

Dr. Claudio Sangregorio
ICCOM-CNR

Dr. Francesco Vizza
Direttore ICCOM

Abstract:

In this presentation I will present the most recent results from our group on synthesis and biofunctionalisation of plasmonic and magnetic nanoparticles for potential biomedical applications in diagnosis and treatment of diseases.



Biographic sketch:

Professor Nguyễn Thị Kim Thanh, FRSC, MInstP (<http://www.ntk-thanh.co.uk>) held a prestigious Royal Society University Research Fellowship (2005-2014). She was appointed a Full Professor in Nanomaterials in 2013 at Biophysics Group, Department of Physics and Astronomy, University College London, UK. She leads a very dynamic group conducting cutting edge interdisciplinary and innovative research on the design, and synthesis of magnetic and plasmonic nanomaterials for biomedical applications. A very strong feature of her research program is the development of new chemical methods and in collaboration with chemical engineers to produce the next generation high magnetic moment nanoparticles and advanced functional nanorods, and novel hybrid and multifunctional nanostructures. Detailed mechanistic studies of their formation by sophisticated and advanced analysis of the nanostructure allows tuning of the physical properties at the nanoscale; these can subsequently be exploited for diagnosis, treatment of various diseases and waster water treatment.

She has published 100 peer reviewed journal articles and book chapters, with ~900 citations in 2017 alone. She has been Visiting Professor at various Universities in France, Japan, China and Singapore. She has been invited to speak at over 200 institutes and scientific meetings. She has been chairing and organising 30 high profile international conferences