

IN²UB INTERNATIONAL RESEARCH SEMINARS

Mesoporous silica nanoparticles as pharmacological nanocarriers

Our bones can suffer different diseases such as cancer, osteoporosis or infections. Research offers a possibility to treat them and in this sense, mesoporous silica nanoparticles (NP's) are potential therapeutic solvers. In these NP's there is the possibility to introduce antitumoral drugs to attack cancer cells or to load them with biomolecules against osteoporosis or antibiotics for infections. Moreover, in order to control the timing of release, smart nanolids or polymer-based covers can be used. There is also the possibility to selectively direct them to their aim, by chemically modifying their surface. So, by using UV radiation, ultrasounds, heat or magnetic stimuli, you can trigger them and download the drug they are carrying in an exact place and moment.

These kind of NP's are versatile, since offer many approaches to treat different kind of diseases in a selective, directed and localized way.



The IN²UB invites you to the seminar by

Prof. María Vallet Regí

*UCM-CIBER-BBN
Madrid*

SAVE THE DATE

November 25th, 2019, 12.00h.

**Enric Casassas Lecture Hall,
Faculties of Physics and Chemistry. UB**



Institut de Nanociència
i Nanotecnologia



UNIVERSITAT DE
BARCELONA

Sponsored by [PhD program in Nanoscience UB](#)

For further information: in2ub@ub.edu