

Chemical Engineering of nanoparticles for therapy



Niveau d'étude
Master 2



ECTS
3 crédits



Composante
UFR des
Sciences
fondamentales
et biomédicales



Volume horaire
24h



Période de
l'année
Autumn

En bref

- **Langue(s) d'enseignement:** English
- **Méthode d'enseignement:** On site
- **Forme d'enseignement :** Lecture and exercise

Présentation

DESCRIPTION

Short Description:

This course deals with innovation approaches on nanomedicine in the fields of therapy, diagnosis and theranostic.

Long Description:

Nanomedicine is at the forefront of modern healthcare. Nanoparticles offer a new platform for drug delivery that can extend the "patent life" of drugs, but also greatly increase the targeting and effectiveness of therapy. They can enhance most of the medical imaging modalities, and in some cases offer a combined diagnostic and therapy, now called "theranostics". This course aims to provide students with the necessary training to be able to understand the principles of nanotechnology and its application in medical research and clinical practice.

The practical course aims to broaden the knowledge and skills of the students in the areas of nanoparticle synthesis, characterization and processing in biomedical applications.

PRÉ-REQUIS NÉCESSAIRES

Basic notions of molecular and material chemistry and biology.

CONTRÔLE DES CONNAISSANCES

1 exam (relating to the theoretical and experimental parts of the course) 60% + TP 20% + bibliographic presentation 20%

INFORMATIONS COMPLÉMENTAIRES

En savoir +

<https://master-frontiers-in-chemistry.fr/program/>

<https://master-frontiers-in-chemistry.fr/admission/>

En bref

EN SAVOIR PLUS

<https://master-frontiers-in-chemistry.fr/program/> <https://master-frontiers-in-chemistry.fr/admission/>

Pour en savoir plus, rendez-vous sur > u-paris.fr/choisir-sa-formation