



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Principles and applications of nano-biotechnologies

2223-116R-M2

Title

Principles and applications of nano-biotechnologies

Teacher(s)

Profs. M. Colombo, R. Grandori, D. Prosperi, F. Gelain, D. Salerno

Language

English

Short description

The course consists of a series of lectures on different topics in nano-biotechnologies given by different experts in the field with a particular emphasis on the exploitation of nanostructured materials in different applications.

The following topics will be addressed:

- Synthesis and biofunctionalization of colloidal nanoparticles.
- Non-covalent interactions of proteins with nanoparticles.
- Nanostructured biomaterials for tissue regeneration.

- Protein-DNA interaction at single molecule level.
- Biomedical application of colloidal and biomimetic nanoparticles.

CFU / Hours

1 CFU/ 8 hours

Teaching period

Sustainable Development Goals

QUALITY EDUCATION
