



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Principles and applications of nano-biotechnologies

2122-79R-M9

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#### Title

Principles and applications of nano-biotechnologies

#### Teacher(s)

Prof. Rita Grandori, Prof. Davide Prosperi, Prof. Miriam Colombo, Dr. Fabrizio Gelain, Dr. Domenico Salerno

#### Language

English

#### Short description

- 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 ore

**Teaching period**

June 2022

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