



POLITECNICO
MILANO 1863

PhD position XXXVI ciclo (2020-2023)
Chimica Industriale e Ingegneria Chimica (CIIC)

The project deals with:

- i) studies of drug diffusion and release from hydrogel polymer systems using high resolution magic angle spinning (HR-MAS) NMR equipment,
- ii) the rational design of improved methodologies and release models,
- iii) perform analytical simulation to assist the interpretation of experimental data,
- iv) investigation of drug-polymer interactions using solid state NMR.

The project is embedded in a highly collaborative setting at the interface between physical-chemistry and biomedical science. The project follows-up on highly successful research lines that we would like to expand in the next years.

Applicants should have a degree in chemistry or a related discipline, experience in NMR (solution or solids) and/or computational methods is a plus, but not required.

The starting date is November 2020.

For more information about the project and to apply please contact:

Prof. Franca Castiglione

Email: franca.castiglione@polimi.it

For info about Phd@Politecnico di Milano visit the web site:

<http://phd.chem.polimi.it>