



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

DIPARTIMENTO  
DI FARMACIA  
E BIOTECNOLOGIE

## AVVISO DI SEMINARIO

Il giorno **31 Marzo 2025**  
alle ore **14:00**

### **Prof Luisa Martinez-Pomares**

Joint Head IIM Division, Faculty of Medicine & Health Sciences,  
University of Nottingham  
(ospite di Prof Marco Rinaldo Oggioni)

terrà un seminario in lingua inglese dal titolo:

## **Probing the role of CD206 during C. albicans infection using specific glycopolymers**

Area tematica:  
Drug discovery and development  
Nutrition and health

*in presenza:*

**Aula A, Farmacologia, via Irnerio 48, Bologna BO**

Collegli e studenti sono cordialmente invitati

## **ABSTRACT**

CD206 (i.e. the mannose receptor) is an endocytic receptor expressed by selected populations of macrophages, dendritic cells and endothelial cells. Despite being at the forefront of innate immunity research and a promising target for therapeutics delivery to macrophages and dendritic cells for decades, its contribution to health and disease is still puzzling. This seminar will describe how novel glycopolymers specific for CD206, could finally provide the tools to probe its function and develop CD206-specific targeting formulations.

## **BIOGRAPHICAL SKETCHES**

Luisa Martinez Pomares is a world-renowned expert in macrophage biology and author of multiple influential reviews (*J. Leuk. Biol.*, *Trends Immunol.*, *Immunobiology*, *Cell*). Luisa has extensive expertise in innate immunity and cell biology with significant levels of funding for studies of immunological mediators of sterile inflammation (MRC), cancer (CRUK) and immunological responses to *Pseudomonas aeruginosa* (MRC) and *Neisseria meningitidis* infections (MRC). Luisa's lab has generated multiple recent publications on host-pathogen interactions (*Matter* 2024, *JACS* 2022, *npj Biofilms and Microbiomes* 2021, *Lancet Microbiology* 2021, *EBioMedicine* 2021, *Infection and Immunity* 2019; *Nature Microbiology* 2018).