



DIPARTIMENTO DI FARMACIA E BIOTECNOLOGIE

AVVISO DI SEMINARIO

Il giorno mercoledì **26 Aprile 2023**
alle ore **11:30**

in presenza:

Aula 1 – FaBiT, via Belmeloro 6, Bologna BO

oppure *in streaming:*

<https://teams.microsoft.com/l/meetup-join/19%3aN09c0NlyEssBnF7ObCyDOQwkgDWm1qdd9f7F2nJV9fw1%40thread.tacv2/1631519544944?context=%7b%22Tid%22%3a%22e99647dc-1b08-454a-bf8c-699181b389ab%22%2c%22Oid%22%3a%225a941351-ef41-4aa4-8771-fa50a6d62ca1%22%7d>

Prof.ssa Alexandrina Ferreira Mendes

*Faculty of Pharmacy - University of Coimbra and Centre for Neuroscience
and Cell Biology - Center for Innovative Biomedicine and
Biotechnology, Coimbra, Portugal*

(ospite Prof.ssa Manuela Bartolini)

terrà un seminario dal titolo:

TACKLING NF- κ B AND LOW-GRADE INFLAMMATION IN OSTEOARTHRITIS WITH NATURE-INSPIRED COMPOUNDS

Collegli e studenti sono cordialmente invitati

Commissione Ricerca e Attività Correlate - FaBiT

ABSTRACT

Age-related diseases are associated with a state of chronic low-grade inflammation (LGI) that drives tissue damage and loss of function. The mechanisms that lead to and maintain that inflammatory state in different diseases are still largely unknown. Thus, identifying the risk factors of each disease and the mechanisms whereby they induce and maintain the inflammatory response is essential for the rationale development of new drugs to effectively tackle those diseases. Our research has been focused in elucidating the mechanisms that regulate the activity of NF- κ B, the master regulator of inflammation, and the role of LGI in osteoarthritis (OA), a highly prevalent and untreatable musculoskeletal disease. Finally, we will present results of a drug screening program, starting with a bio-guided screening of plant extracts and leading to the identification and mechanistic elucidation of new anti-inflammatory drugs with potential for the treatment of OA and other age-related diseases.

BIOGRAPHICAL SKETCH



Alexandrina Ferreira Mendes graduated in Pharmaceutical Sciences in 1989. She was awarded a research fellowship by the Scientific Committee of NATO to develop her PhD project as a visiting PhD student at the Lunenfeld-Tanenbaum Research Institute, Toronto, Canada and obtained the Doctoral Degree in Pharmacy – specialization in Pharmacology and Pharmacotherapy, by the University of Coimbra, Portugal, in 2003. Currently, she is Associate Professor with Habilitation at the same university, mainly teaching pharmacology courses, and principal investigator at CNC- Centre for Neuroscience and Cell Biology of the Center for Innovative Biomedicine and Biotechnology (CIBB-UC). Her research is focused in elucidating molecular mechanisms of chronic low-grade inflammation and their relevance in aging-related diseases and in identifying new drugs to tackle those mechanisms.