DIPARTIMENTO DI FARMACIA E BIOTECNOLOGIE

AVVISO DI SEMINARIO

Il giorno mercoledì **29 giugno 2022**
alle ore **14:30**

in presenza:

Aula 1 – FaBiT, via Belmeloro 6, Bologna BO

oppure *in streaming:*

https://teams.microsoft.com/l/meetup-join/19%3aN09c0NIyEssBnF7ObCyDOQwkgDWm1qdd9f7F2nJV9fw1%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. João Paulo S. Fernandes

Federal University of São Paulo (UNIFESP) - Campus Diadema, Diadema SP, Brazil
(ospite Proff Manuela Bartolini e Maria Laura Bolognesi)

terrà un seminario dal titolo:

FROM HISTAMINE RECEPTOR LIGANDS TO MULTITARGET AGENTS – INSPIRATIONS, PROGRESSES AND OPPORTUNITIES

Colleghi e studenti sono cordialmente invitati

Commissione Ricerca e Attività Correlate - FaBiT

ABSTRACT

Histamine is undoubtedly one of the most pleiotropic transmitters in human body. Its role in several processes such as allergy, acid secretion and especially inflammation and neurotransmission enable the histamine receptors as important targets to the drug design and development, especially considering the multitargeting approach. The history of antihistamines is a nice example of how molecular “promiscuity” may reveal opportunities for multitarget design, and in this lecture the exploitation of the pharmacophore of histamine receptor ligands was merged to other for suitable multitarget ligands. In the last years, our group have developed compounds as histamine H_3 and H_4 receptors with interesting results on in vitro and in vivo assessments. From these, multitarget ligands were also designed and the results to date show their promising activity as agents for cognitive impairment and inflammatory diseases.

BIOGRAPHICAL SKETCH

João Paulo S. Fernandes obtained his MSc (2006) and PhD (2012) degrees in Pharmaceutical Sciences (Medicinal Chemistry) at University of São Paulo, working on design and synthesis of bioactive compounds on serotonin and histamine receptors and against infectious diseases. In 2013 he joined as Adjunct Professor on Medicinal Chemistry at the Federal University of São Paulo (Unifesp). His research regards on synthetic medicinal chemistry, with special interests on multitarget designed ligands for CNS, inflammation and infectious diseases. He is effective member of the Brazilian Association of Pharmaceutical Sciences (ABCF) and European Histamine Reseach Society (EHRS), and has already published 50 papers in peer-reviewed journals. He also holds a fellowship from National Council for Scientific and Technological Development for research productivity (level 2).