



Adam Mickiewicz University in Poznań

Doctoral School AMU

Nucleic acid-targeting molecular systems: from chemistry to biomedical applications

dr Giovanni Roviello, Ph.D.

Italian National Council for Research (CNR) - Institute of Biostructure and Bioimaging (IBB) Naples; Italy

giroviel@unina.it

Scientific lectures

Field of science	science
Teaching method	On-line lectures
Language	English
ECTS credits	-
Numbers of hours	15h
Aims of the course	This course aims at deepening the participants' knowledge on DNA and RNA chemistry and some of the main approaches to nucleic acid-based drug discovery
Course contents	This course aims at providing the participants with a comprehensive overview on the main DNA and RNA targets involved in some diseases of high social relevance. Furthermore, it will address various approaches to modulating nucleic acid-based biological process for successful therapeutic strategies. Large portion of this workshop will be devoted to chemistry of nucleic acids and their synthetic analogues.
Prerequisites and co-requisites	There are no prerequisites.
Learning outcomes	
On completion of the course PhD candidates will be able to:	Assessment mode
E_U02, E_U05, E_U06, E_W03 (Doctoral School) W_01, W-02, U_05, U_06 (POWR Programs)	The exam will be conducted remotely as a multiple-choice test.
Literature	
Additional information	Course start date: 12 th of April 2021, from 10.00. Classes implemented by the Teams platform April 12 th 10:00-12:30 and 14:30-16:00 April 13 th 10:00-12:30 and 13:00-14:30 April 14 th 10:00-12:30 and 13:00-14:30