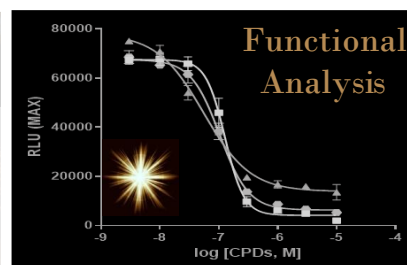
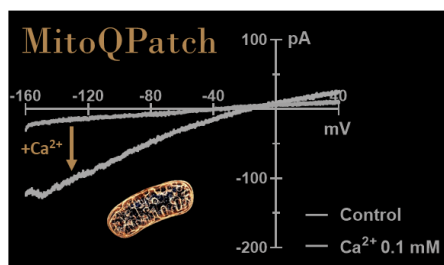




Mitochondrial Dysfunction Assays Integrated Platform



MiDA - Mitochondrial Dysfunction Assays

“In vitro assay platform for the identification of new pharmacological compounds active on mitochondrial dysfunctions related to neurodegenerative and oncological diseases”

Small as a few millionths of a meter but essential for the proper functioning of cells, mitochondria, if damaged or malfunctioning, can be associated with a plethora of human diseases: from cancer to neuronal cell degeneration, to metabolic diseases and aging. The development of an ad hoc platform to study mitochondrial functionality with the use of different integrated approaches, will allow mitochondrial disease models to be used for the screening and identification of compounds and/or targets involved in the onset of different pathologies and open up to new therapeutic opportunities.

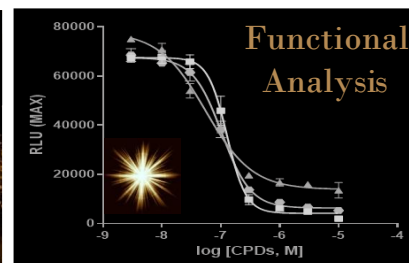
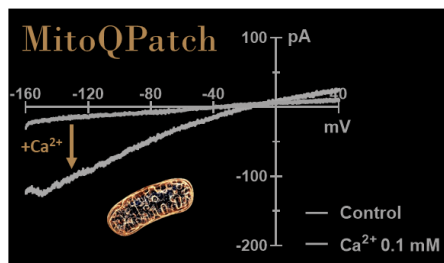
SUPPORTED BY



ROP ERDF 2014-2020 / INNOVATION AND COMPETITIVENESS



Mitochondrial Dysfunction Assays Integrated Platform



MiDA - Mitochondrial Dysfunction Assays

“Piattaforma di saggi in vitro per l’identificazione di nuovi composti farmacologici attivi sulle disfunzioni mitocondriali, correlate a patologie neurodegenerative e oncologiche”

Piccoli come pochi milionesimi di metro ma fondamentali per il buon funzionamento delle cellule, i mitocondri, se danneggiati o malfunzionanti, possono essere associati ad una pletera di malattie dell'uomo: dal cancro alla degenerazione delle cellule neuronali, a malattie metaboliche e invecchiamento. La generazione di una piattaforma sviluppata ad hoc per studiare la funzionalità e disfunzionalità mitocondriale mediante l’applicazione di diverse tecnologie integrate, permetterà di effettuare screening di composti al fine di identificare quelli farmacologicamente attivi, che possano aprire a nuove opportunità terapeutiche.

SUPPORTED BY



ROP ERDF 2014-2020 / INNOVATION AND COMPETITIVENESS