



UNIVERSIDAD
**PABLO DE
OLAVIDE**
SEVILLA

Centro
Andaluz
de Biología
del Desarrollo



Regulating *C. elegans* longevity: the role of neuronal mitochondrial alterations and prohibitin expression

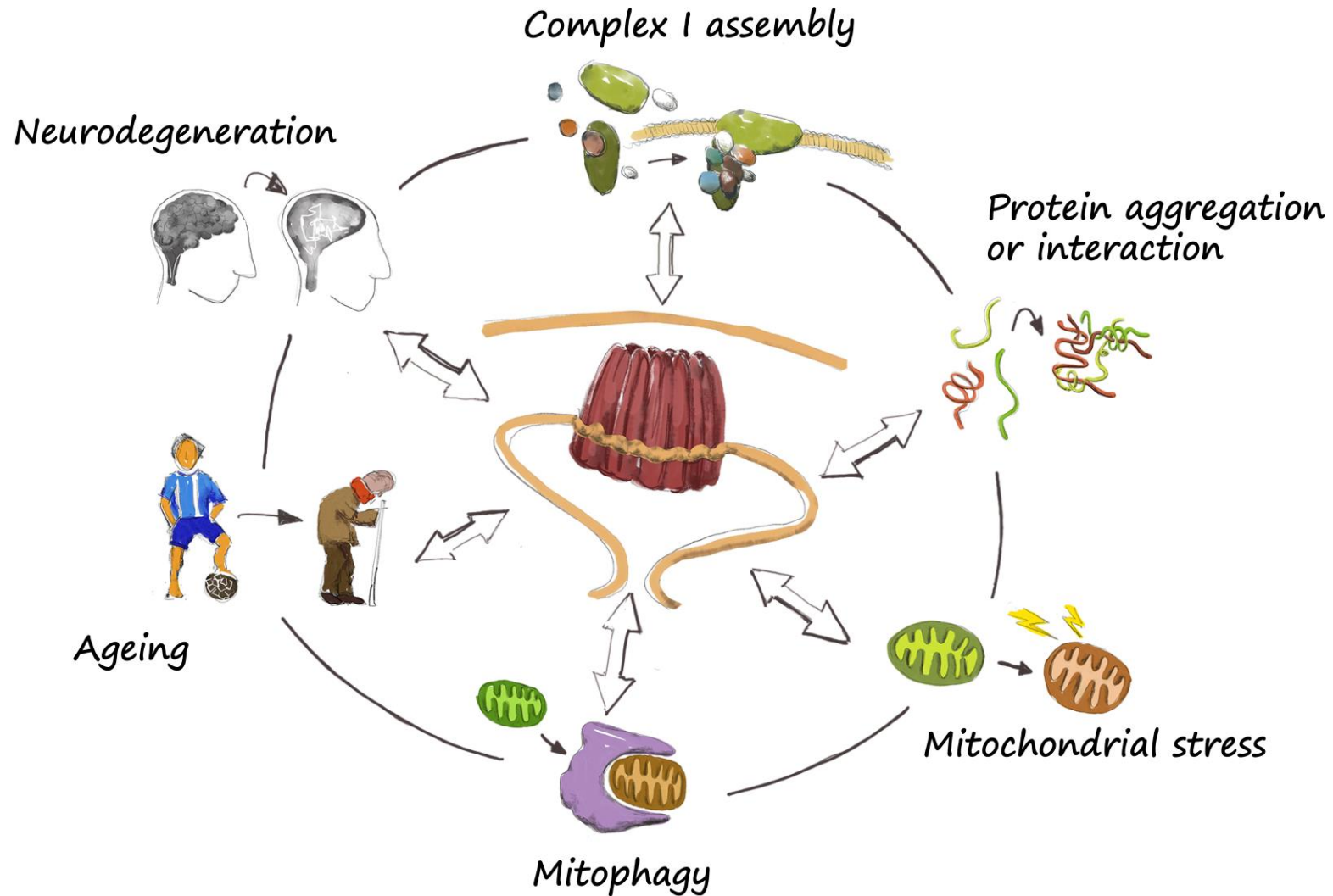
TFG 2023-2024

Supervisor: Jesús Fernández Abascal, PhD

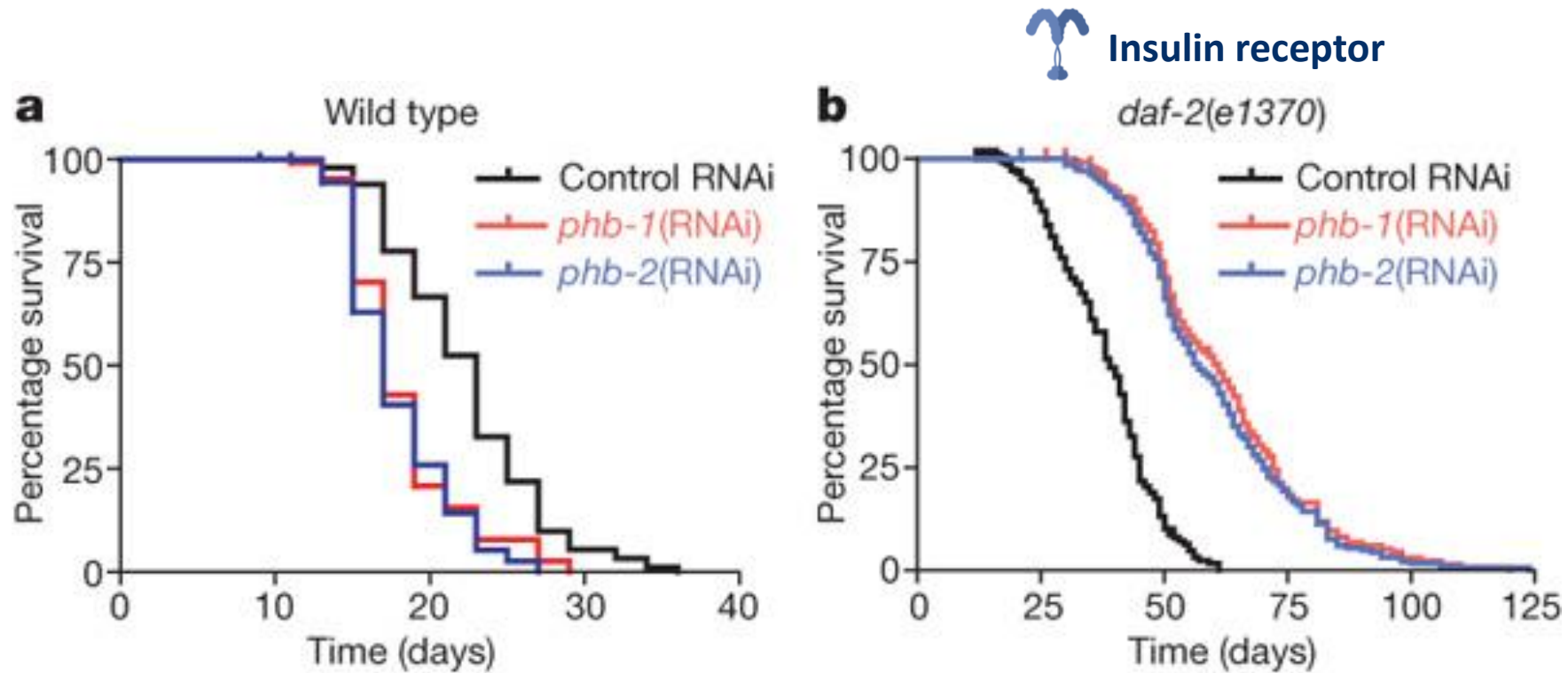
jferaba@upo.es

Laboratory of Marta Artal Sanz

The prohibitins' wheel

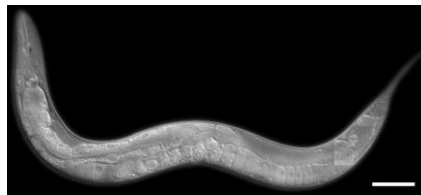
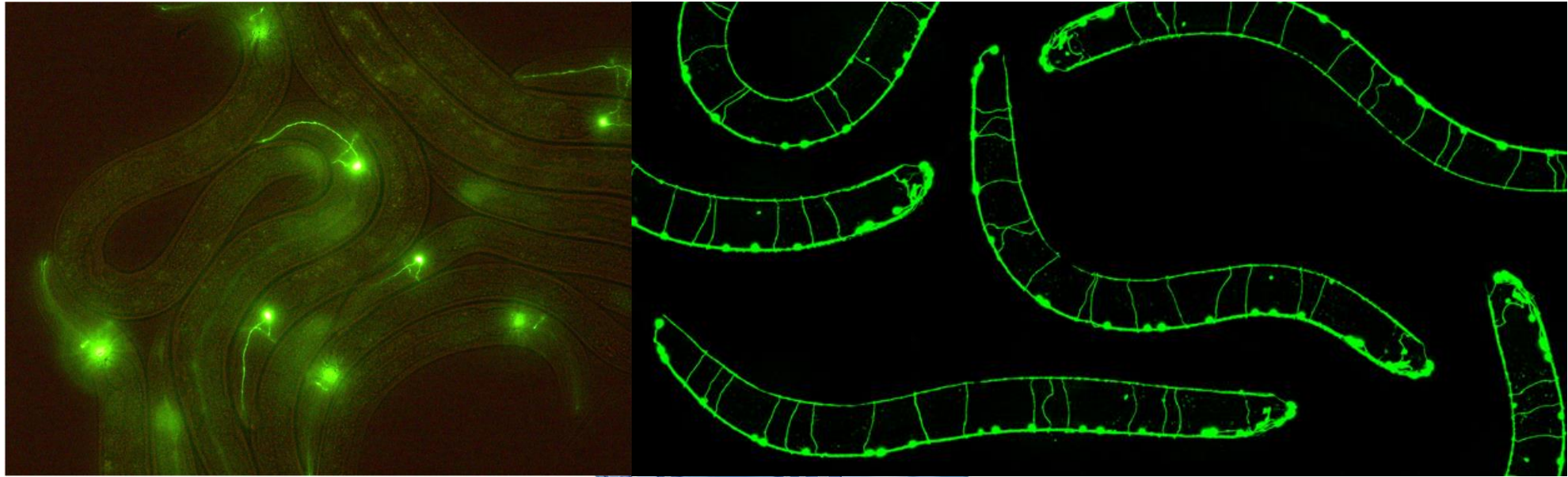


The role of prohibitins in ageing

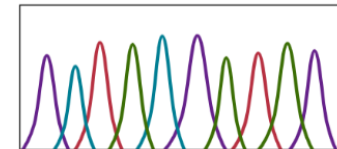
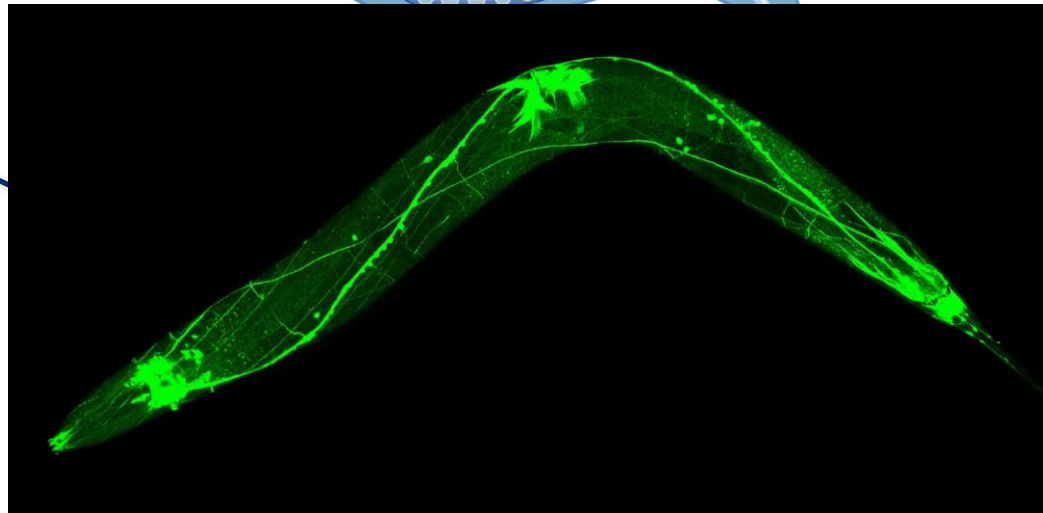


To study the role of neuronal prohibitins in ageing

C. elegans as a model organism



Transparent body



G A C T A G T C T G

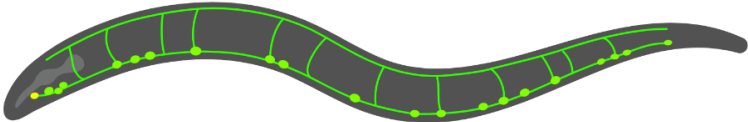


Sequenced genome

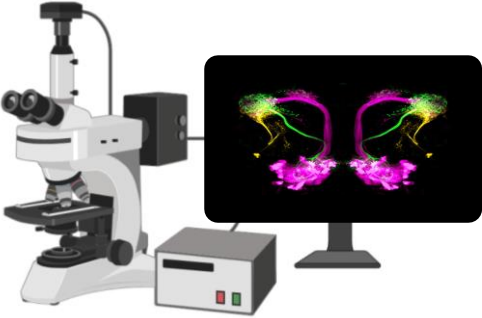
What will you do/learn?



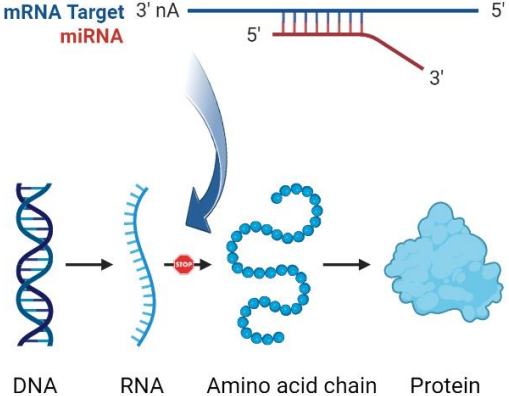
Molecular biology techniques



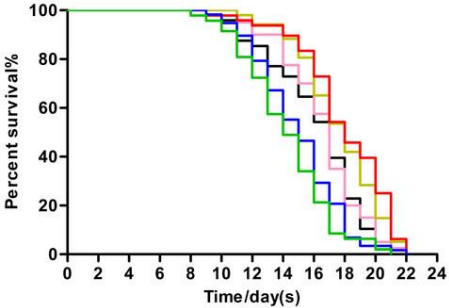
Generation of fluorescent strains



Imaging analysis



Gene knockdown



Lifespan assays

Questions?