BIOTERIO – Centre for Neuroscience and Cell Biology, FMUC

https://neurodegenerationresearch.eu/survey/bioterio-centre-for-neuroscience-and-cell-biology-fmuc/

Name of resource

BIOTERIO – Centre for Neuroscience and Cell Biology, FMUC

Name of Principal Investigator

Title	Dr/Dr
First name	
Last name	Pereira/Rego

Address of institution where award is held

Institution	Center for Neuroscience and Cell Biology (CNC) – Univ Coimbra
Street Address	R. Larga, 6
City	Coimbra
Postcode	3004-517

Country

Portugal

Website

http://www.cnbc.pt/

Contact email

bioterio@fmed.uc.pt

Summary

1a. The resource holds animal models relevant to the study of the following neurodegenerative diseases

Alzheimer’s disease and other dementias
Huntington’s disease

1b. The resource holds:

Animals

2a. The resource acts as a centre for access and distribution to external groups (who are not the PIs of the resource)

2b. Procedures and rules for access

Apply to PI or co-ordinator at resource
Access through collaboration with PI only
Applicant needs to provide separate external ethics approval
Other requirements exist
National access
International access
Other requirements exist

3a. Does the resource develop animal models for external groups

1

3b. Types of models provided
Not applicable
4a This activity is supported as:
Not applicable
4b. The supplied material deposited in a central repository

1

5a Disease models available

Disease	Species	Available to external user (Y/N)	Full phenotypic character (Y/N or partial)	Phenotypes	Genotypes or other subtypes
AD	N	Y	Cognitive deficits, senile plaques, neurofibrillary tangles, synaptic loss in cerebral cortex and hippocampus	3xTg-AD (human mutant APP, PS1, tau)-background C57BL x 129sv	Mouse
YAC mouse model of HD expressing full-length human mutant huntingtin with 128 glutamines (YAC128, lines HD55 and HD53)	HD	Mouse	Y	Y	Hyperkinetic phenotype first manifested, followed by progressive motor deficits and age-dependent striatal neurodegeneration

7a. Maintenance of the resource is dependent on continued funding

2

7b. End date of current funding period

2013

7c. Expected lifespan of the resource (in years)

10

7d. Other plans affecting future use

In one year more space available for production of new mice models colonies.

In three years probably a new facility.