

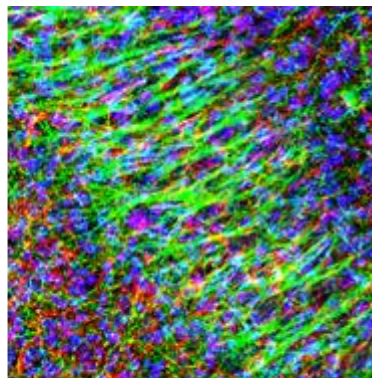
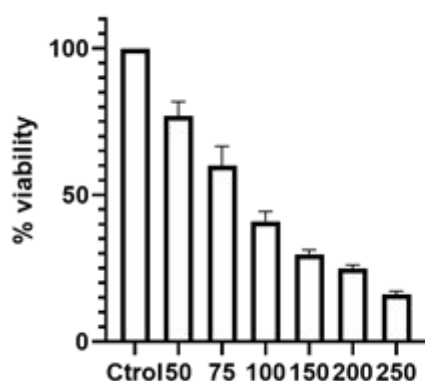
## Neural Culture Technical Laboratory

### Techniques related to neuronal cultures.

They are techniques that are performed both in cell lines and in primary cultures.

- Treatments in cell lines and primary cultures.
- Evaluation of drug toxicity, microglial activation, induction of oxidative stress, etc. ...
- MTT cell viability test.
- Griess nitrite quantification test
- Immunocytofluorescence. Single, double or triple staining.
- BrdU cell proliferation test and immunofluorescence detection.
- Obtaining cell extracts for subsequent determination by Western Blot
- Obtaining cell extracts for subsequent determination of catecholamines and indolamines by HPLC
- Oxygen and glucose deprivation experiments (OGD)
- Cell transfection by cationic polymers, lipofection or electroporation
- Generation and titration of viral vectors

The offer can be expanded in response to the specific needs of any research group.



**Left:** graph of MTT viability test in cells treated with different concentrations of  $H_2O_2$

**Right:** confocal image of hippocampal organotypic staining

The facilities are accredited by the el Ministerio de Agricultura, Pesca y Alimentación to work with Genetically Modified Organisms within the level of biosafety 2