



Department of Neurosciences, Biomedicine and Movement Sciences, Section of Physiology and Psychology, University of Verona

## Postdoctoral Position in Neurobiology

**Project:** the main aim is to characterize *in vivo* the protective action of preconditioned Mesenchymal stem cells extracellular vesicles (**MSC-EVs**) relatively to amyloid precursor protein processing and amyloid  $\beta$  formation, microtubule associated protein tau phosphorylation and aggregation, neuroinflammation, and glial cell activation, in an animal model of **Alzheimer's disease** (3xTg-AD).

The project is funded by MUR of Italy (**PRIN 2022**). Initially the position is for one year, but it can be extended for a second year.

From selected candidate is expected to apply cell cultures, immunohistochemical and imaging techniques.

**Required skills:** Experience in cell cultures, in animal handling and behaviour, in cell imaging (confocal-two photon imaging) and image analysis with Image/Imaris. Experience in biochemical and/or electrophysiology techniques is welcome, but not mandatory.

Interested candidates should send by email to Prof. **Mario Buffelli** ([mario.buffelli@univr.it](mailto:mario.buffelli@univr.it)) a letter of interest and a CV.

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