

# Curriculum Vitae

**Andrea Misol Ortiz**

**Research technician**

**Experimental Neurophysiology**

**(Lab i1-05)**

**Hospital Nacional de Paraplégicos, Toledo, Spain**

**ORCID: 0009-0007-3651-853X**

[amisol@sescam.externas.jccm.es](mailto:amisol@sescam.externas.jccm.es)

## **ACADEMIC DEGREES**

- MSc degree in Cellular and Molecular Physiopathology and Pharmacology. Universidad de Salamanca (USAL). Salamanca, Spain (2021).
- BSc In Biology. Universidad Complutense de Madrid (UCM). Madrid, Spain (2020).

## **RESEARCH AND PROFESSIONAL EXPERIENCE**

- Current Position: *Research technician*, Experimental Neurophysiology, Hospital Nacional de Paraplégicos, SESCAM, Toledo, Spain.
- Currently: *PhD student*. Health Science Program of Castilla-La Mancha University.
- 2020 - 2021: *Master student trainee*. Internal student and final master's degree project in Dr. Carlos Martinez-Salgado Lab, head of Renal and Cardiovascular Traslational Research at IBSAL (Salamanca, Spain) and supervisor of my final master's degree experimental research project. Title: "Influence of Renal Mass Reduction on Acute Renal Injury Induced by Combination of antihypertensive drugs and analgesics".

## **SCIENTIFIC PUBLICATIONS**

### **Congress and scientific meeting presentations**

- Marta Zaforas, Claudia Miguel-Quesada, Salvador Herrera-Pérez, Justin Lines, Elena Fernández-López, Elena Alonso-Calviño, Verónica Barranco Maresca, **Andrea Misol-Ortiz**, María Ardaya, Federico N. Soria, Alfonso Araque, Juan Aguilar y Juliana M. Rosa. "No solo neuronas: los astrocitos como elementos esenciales en el procesamiento sensorial". I Jornada IDISCAM Comunidades del Instituto de Investigación Sanitaria de Castilla-La Mancha. 2023. Toledo.
- Eva María Baranda Alonso, Isabel Fuentes-Calvo, Sandra M. Sancho Martinez, Noelia Diaz-Morales, Omar Hidalgo-Thomas, **Andrea Misol-Ortiz**, Francisco J. Lopez-Hernandez, Carlos Martinez-Salgado. "Water restriction and age increase the risk of triple whammy-induced acute kidney injury". 59<sup>th</sup> ERA Congress Paris & Virtual. European Renal Association. 2022. Francia.

## **EXPERTISE IN NEUROSCIENCE EXPERIMENTAL RESEARCH**

- Training course of A, B and C functions for personnel handling animals used, bred or supplied for experimentation and other scientific purposes, including teaching (R.D. 53/2013, Orden ECC/566/2015).
- Microscopy and image analysis course promoted by Hospital Nacional de Paraplégicos.
- Experience in animal experimental surgery such as intracranial viral injections and spinal cord injury.
- Handling epifluorescence microscopy for ex vivo calcium imaging recordings of neuronal and astrocyte activity.
- Processing and analysis of image and data.