



In the group “Redox signalling in the response to hypoxia”  
in the Hospital Universitario Santa Cristina  
from the Instituto de Investigación Sanitaria Princesa,  
in Madrid

## We seek:

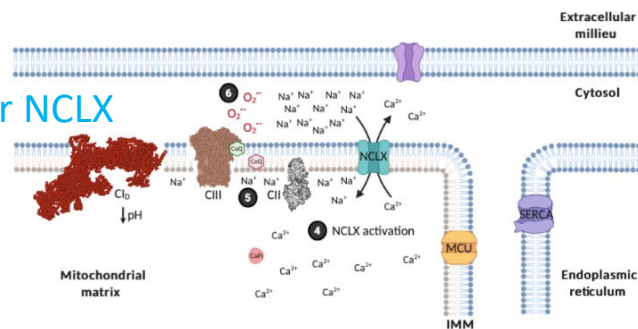
- Experience in themes close to the research line and/or animal models of stroke
- Competitive CV and recent PhD to apply to the calls (see below)
- Motivation for research and will to work with us (obvious ;-)

## We offer:

- 1 year funded position (2025), 34.3 k€ salary.
- Possible extension in 2026-2027/2028 by
  - application to Spanish postdoc calls opening soon;
  - grant renewal next year.

## Research line:

Role of **mitochondrial  $\text{Na}^+/\text{Ca}^{2+}$  exchanger NCLX** in redox signalling and oxidative damage in ischemia/reperfusion in brain (stroke) and in NLRP3 inflammasome activation



Some papers:

- $\text{Na}^+$  controls hypoxic signalling by the mitochondrial respiratory chain. Hernansanz-Agustín et al. *Nature* (2020) 586:287-291 - DOI 10.1038/s41586-020-2551-y
- NCLX is implied in the activation of hypoxia-inducible factors. Choya-Foces et al. *Redox Biol* (2024) 77:103364 – DOI 10.1016/j.redox.2024.103364
- Ferroptosis and oxidative stress in ischemic stroke Delgado-Martín et al. *FEBS Lett* (2024) 598:2160-2173 – DOI 10.1002/1873-3468.14894

With financed grants from the Spanish Government (AEI, ISCIII).

## Contact:

- Send CV and motivation to  
Dr. Antonio Martínez Ruiz  
amartinezruiz@salud.madrid.org

up to **17 December 2024**  
(formal call opening soon)