



ESTHER UDINA

Full professor at the Physiology Unit of Medical School,
Universitat Autònoma de Barcelona

Deciphering the intrinsic regenerative response of peripheral neuron subtypes after nerve injury

DAY

November 8th,
2023

TIME

12.30h

PLACE

0.22

SHORT BIO

Full professor at the Physiology Unit of Medical School, at Universitat Autònoma de Barcelona, where she combines teaching activities at the grades of Medicine and Physiotherapy and the Master of Neurosciences with basic research at the group of Neuroplasticity and Regeneration. Her current interests are focused on strategies to improve functional recovery after neural injuries in animal models. She has used activity dependent therapies to modulate the plastic changes that occur in the spinal cord after neural injuries, that can interfere with functional outcomes. She is currently investigating the regenerative capability and the genetic program activated by different subtypes of peripheral neurons after axotomy, with the aim to design strategies to promote specific regeneration, one of the main factors limiting functional recovery after peripheral nerve injuries. She has published more than 65 peer-reviewed papers, has directed 11 PhD thesis and has been IP of 5 national research projects and collaborator of several European ones.