

Postdoctoral position –Spinal Cord Injury Regeneration

Position: Post-doctoral Position

Deadline: 24th April 2025

Duration: 8 months; starting date can be adjusted with the candidate

Scientific area: Basic Medicine

City: Braga

Country: Portugal

Institution: University of Minho, ICVS/School of Medicine

Description:

The ReNEU team is recruiting a postdoctoral fellow. Our team has a strong translational nature, being focused on the generation of innovative therapies for nervous system regenerative medicine. We are looking for motivated and talented post-doctoral researcher with a positive attitude.

Candidates must hold a PhD degree in Neurosciences, Biology, Biomedical Sciences, or related fields, with acquired knowledge and/or experience in optogenetics, neuronal regeneration mechanisms, preclinical trials in animal models with spinal cord injury, and stem cell culture. The work plan involves modifying exosomes derived from M2c macrophages with the rabies virus glycoprotein (RVG-M2c), validating them in vitro, and evaluating their in vivo biodistribution among neuronal subpopulations. Additionally, it includes integrating RVG-M2c exosomes with the controlled-release device, assessing their therapeutic potential in an animal model of spinal cord injury, and evaluating their impact on modulating the immune response post-injury, validating the use of RVG-M2c exosomes in a closed-loop drug delivery context.

To apply, candidates must submit an updated CV in *CienciaVitae* format (<https://www.cienciavitae.pt/>), a motivation letter, and a copy of the degree certificate.

Team website: <https://icvs.uminho.pt/teams/novel-approaches-in-nervous-system-regenerative-medicine/>

Contact details:

Name: Nuno Silva

Email: nunosilva@med.uminho.pt