

## FOUR YEARS PREDOCTORAL CONTRACT IN THE LABORATORY OF JUAN P. BOLAÑOS ON THE CONNECTION BETWEEN BRAIN METABOLISM AND AUTOPHAGY

A four-year PhD contract is offered by the **Neuroenergetics and Metabolism** group led by Professor Juan P. Bolaños (University of Salamanca/CSIC/IBFG/IBSAL). The student will participate in a project aimed to investigate the impact of astrocyte metabolic reprogramming on *in vivo* neuronal function in health and disease. The project may lead to better understand the complex molecular and cellular mechanisms involved in the connection between brain energy metabolism and the control of autophagy, for which *in vivo* genetic approaches in mouse will be implemented.

The candidate requirements and the procedure to apply are set out in the call published on October 5, 2020 (<https://bit.ly/2SuScIa>). The full procedure and submission forms will be available as from October 13 till 27 in the Agencia Estatal de Investigación web site: <https://www.ciencia.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccb5d52ffeb801432ea0/?vgnextoid=490233572bed4710VgnVCM1000001d04140aRCRD>

This position is linked to the grant referenced **PID2019 -105699RB-I00**. Interested candidates should send their Curriculum Vitae, specifying their **academic records**, to Juan Pedro Bolaños by email ([jbolanos@usal.es](mailto:jbolanos@usal.es)) **before next October 16**. It is advisable that in the email they briefly describe the **reasons that motivate the request and attach two reference letters, if possible, from previous supervisors**.

For the selection, an interview will be carried out by video-appointment and, in addition to the result of the interview, it will be taken into account the academic record of the Bachelor's studies (ideally, above 7.5 on a 0-10 scale) and the subject of the Master degree. It will be also evaluated **previous experience** in behavioral tests in mice and solid communication **skills in English**. In general, we will value motivation, creativity, imagination and abilities to work within a team.

The **Neuroenergetics and Metabolism laboratory** belongs to the Institute of Functional Biology and Genomics (IBFG), which offers good conditions and an excellent research environment and facilities. For more information about the group, please visit <https://ibfg.usal-csic.es/juan-pedro-bolanos-en.html>

### Recent group publications:

- Jimenez-Blasco et al. *Nature* 583:603-608 (2020)
- Vicente-Gutierrez et al. *Nat Metab* 1:201-211 (2019)
- Lopez-Fabuel et al. *PNAS* 113:13063-13068 (2016)
- Requejo-Aguilar et al. *Nat Commun.* 5:4514 (2014)

