



Laboratory Technician- Histology

Institute of Neurosciences of the University of Barcelona

Characteristics of contract

Technician for research support (group III)

Work to be done

1) Histological tissue methods; 2) Coordination of an space dedicated to research containing different devices from the Institute of Neurosciences

Limit date to send work proposals

30 September 2019

E-mail to send work proposals

restevéz@ub.edu

Proposal will need

CV, Motivation letter and Recommendation letter.

Requirements for candidates:

- Demonstrated experience in sample processing of fresh and frozen tissue, fixation and crioprotection methods including preparation and handling of fixatives, and tissue embedding. Demonstrated practice in the use of cryostat, microtome, sliding microtome, and vibratome.
- Demonstrated experience in the preparation and use of histological techniques covering classical methods used in the study of the nervous system (silver methods, Klüver-Barrera, Thioflavin, Congo Red, Sudan black, PAS); immunohistochemistry including immunofluorescence, immunocytochemistry, immunofloating processing, and single and double-labelling; *in situ* hybridization; and *in situ* end-labelling of DNA fragmentation.
- Experience in DNA, RNA, and protein extraction and quantification; gel electrophoresis and western blotting; immunoprecipitation; RT-qPCR (Taqman/SYBRGreen); ELISA; and Luminex.
- Demonstrated experience in the application of these methods in human and animal nervous system tissues.
- Knowledge of the structure of the central nervous system and fundamentals of diseases of the nervous system.
- Experience in the management of data files and general management of the laboratory.





- Commitment and collaboration in neuroscience research as demonstrated by authorship in research communications and scientific publications, and participation in research projects.
- Spanish and Catalan as common languages, and basic understanding of English to be able to understand scientific papers written in English and to communicate with foreign personnel coming to the lab.
- High motivation for involvement in international multidisciplinary teams supported by two reference letters.

Place of work

Laboratories of Campus Bellvitge. University of Barcelona.





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