Predoctoral position

Position and Project

A Predoctoral position is available in the Biomedical Engineering Group at the University of Valladolid (Spain). The Predoctoral researcher will focus on deepening the research, implementation and setting of computational algorithms to simulate the neurodegeneration mechanisms involved in dementia due to Alzheimer's disease (AD).

The position is part of the project "Computational simulation of the neurodegenerative mechanisms in Alzheimer's disease: decoding the alterations of the neuronal network (SIMULATIO)" (PGC2018-098214-A-I00), funded by the State Research Agency (Spain). The objective of the project is to investigate and computationally simulate the alterations in the neural network caused by the brain lesions involved in the different stages of dementia due to AD using MEG and EEG signals. For more information, please visit our website: http://www.gib.tel.uva.es/simulatio

Qualifications

Candidates must hold a in Master's Degree, Bachelor's Degree or equivalent in Engineering, Mathematics or Physics. We are seeking highly motivated and creative junior Predoctoral researchers with strong interests and experience in signal processing, machine learning and computational modelling. Strong oral and written communication skills in English are essential. Expertise in Matlab and Python programming is preferred.

Biomedical Engineering Group (University of Valladolid)

The Biomedical Engineering Group is a multidisciplinary research team associated with the University of Valladolid. It is mainly formed by Engineers and Medical Doctors specialized in various areas, such as neurology, neurophysiology, psychiatry, neumology and ophthalmology, that collaborate in different research lines. For more information, please visit our website: http://www.gib.tel.uva.es

How to apply

Formal applications should send a single PDF containing a letter staying your interests, a full curriculum vitae, university grades certificate(s) and English level certificate, and should be sent by email to Dr. Jesús Poza (jesus.poza@tel.uva.es) with Reference PREDOC/19/03. Pre-selection will be based on CV, motivation letter, experience, university track record (grades, awards, etc.). Short-listed candidates will be interviewed. For additional information about the position, please contact Dr. Jesús Poza.

Deadline: November 4th, 2019 (if no suitable candidate is found, the deadline will be extended).