

Medellín, September 17th 2021

To whom it may concern.

RE: Reference Letter

My name is Carlos Andrés Tobón Quintero, a physician and a PhD in Neuroscience. I coordinate and lead the research group Grupo Neuropsicología y Conducta -GRUNECO- in the University of Antioquia and the research and innovation area of the IPS Universitaria.

Yorguin José Mantilla Ramos has been a member of my group since may 2018 and is currently doing his third internship as a young researcher with GRUNECO. He has learned about neurophysiology and the exploratory research on the processing of resting state EEG signals focused on group-level independent component analyses, and has been trained in the acquisition of high-density EEG signals. He is the principal investigator of two projects: 1) “Effects of the normalization by a “recording-specific constant” on the separation quality of the group ICA of EEG signals”, and 2) “Automatic inference of thresholds for artifactual epoch detection in EEG signals: A statistical dataset-wise approach”. He is also developing a software for resting-state EEG processing and group-level statistical analysis.

He has done a lot of work within the group. He was one of the founders of the student research group Neurociencias Computacionales – NeuroCo, which is focused on computational neuroscience, at the moment he leads the electroencephalography line where he teaches other students about processing and analyzing brain signals with machine learning. Yorguin is also responsible for the organization and standardization of the data in GRUNECO.

Yorguin shows the necessary discipline to do research and is detail-oriented; he is also passionate about sharing knowledge and is an amazing critical thinker. I believe all of these qualities in combination with his knowledge make him a great candidate for an internship in any research group related to Neuroscience, Machine Learning or Neurophysiology.

I would be pleased to offer further comments if necessary. I provide my telephone number and e-mail for this purpose.

Sincerely,



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