Ensor Palacios – Curriculum Vitae

University of Bristol – Faculty of Life Science.
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Date/place of birth: May 30, 1992 — Lima, Peru.
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Education

2018-2022 Enrolled in PhD Neural Dynamics programme, University of Bristol.
Project: excitatory-inhibitory balance and information processing in the granule cell layer of mice cerebellum.

2015-2017 Master degree at University of Padua in "Cognitive Neuroscience and Clinical Neuropsychology" (Department of Psychology). 110/110 *cum laude*.

2012-2015 Bachelor degree at University of Padua in Cognitive Psychology and Psychobiology (Department of Psychology). 106/110.

2006-2011 Scientific High School Degree at "Liceo Brocchi", Bassano del Grappa. 68/100.

Work experience

2018 Traineeship (6 months) at Wellcome Trust Centre for Human Neuroimaging (UCL).
Description: matlab simulations of neural network self-organisation under the free energy principle.

2017 Master degree traineeship (6 months) at Wellcome Trust Centre for Human Neuroimaging (UCL).
Description: matlab simulations of biological self-organisation under the free energy principle.

2015 Bachelor degree traineeship (250 hours) at University of Padua.
Description: investigation of neural correlates of visual motion perception using tDCS stimulation and EEG recordings.

Programming experience

- Matlab: simulations of biological self-orgainsation and neural network self-organisation.
- Python: simulations of neural mass models in the hippocampal dentate gyrus.

Pubblications

- Palacios, E. R., Houghton, C. and Chadderton, P., The role of Golgi cells in cerebellar cortical transformation. SFN poster, 2022. https://zenodo.org/record/7304821#.Y4SSiDPP2V4.
- Palacios, E. R., Houghton, C. and Chadderton, P., Accounting for uncertainty: inhibition for neural inference in the cerebellum. Proc. R. S. B, 2021. https://doi.org/10.1098/rspb.2021.0276.
- Palacios, E.R., Isomura, T., Parr, T., Friston, K., The emergence of synchrony in networks of mutually inferring neurons. Sci Rep 9, 6412 (2019) https://doi.org/10.1038/s41598-019-42821-7.
- Kirchhoff, M., Parr, T., Palacios, E. R., Friston K. and Kiverstein, J., The Markov blankets of life: autonomy, active inference and the free energy principle. 15J. R. Soc. Interface http://doi.org/10.1098/rsif.2017.0792.
- Palacios, E. R., Razi, A., Parr, T., Kirchhoff, M., Friston, K., On Markov blankets and hierarchical self-organisation, J. Theoretical Biology https://doi.org/10.1016/j.jtbi.2019.110089.