

# Ensor Palacios – Curriculum Vitae

University of Bristol – Faculty of Life Science.  
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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-organisation and neural network self-organisation.
- Python: simulations of neural mass models in the hippocampal dentate gyrus.

## Publications

- 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>.