






JOSEPH M BARNBY, PHD

EDUCATION

- 2017-2021 • **Kings College London (IoPPN)**
PhD Cognitive Neuroscience  London, UK
Thesis: The neurocognitive mechanisms of paranoia
- 2015-2016 • **University College London**
MSc Clinical Mental Health  London, UK
Thesis: The psychometric assessment of felt presence phenomena





RECENT PROFESSIONAL EXPERIENCE

- 2021-present • **ARC Postdoctoral Research Fellow**
Queensland Brain Institute  Brisbane, Australia
Modelling the social and non-social cognitive differences in those with corpus callosum dysgenesis
- 2016-present • **Managing Director**
Senscapes  UK & Australia
Development and management of immersive audio/visual experiences, made using the brain waves recorded from those in altered states
- 2016-2021 • **Research Scientist**
Thrive Therapeutic Software  London, UK
Research science and scientific strategy


SELECTED PUBLICATIONS


- 2021 • **The self as a prior for the other: Social learning under paranoia**
PsyArXiv: [Preprint](#)
Barnby, JM, Raihani N, Dayan, P
- 2020 • **Reduction in social learning and increased policy uncertainty about harmful intent...**
PLOS Computational Biology. DOI: [10.31234/osf.io/jvx5y](#)
Barnby, JM, Bell V, Mehta M, Moutoussis M
- 2021 • **Cognitive deficits in people who have recovered from COVID-19**
EClinicalMedicine DOI: [10.1016/j.eclinm.2021.101044](#)
Hampshire A, Trender W, ..., **Barnby, JM**, Hellyer P, Mehta M


CONTACT INFO

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LANGUAGES/SKILLS

 Extensive experience with computational modelling (e.g., RL & Bayesian learning), machine/deep learning (e.g., Keras; Tensorflow), network modelling (e.g. Sparse/Regularised Networks), behavioural and psychometric modelling

 Extensive experience with experimental design, crowd-sourcing (e.g. Prolific/MTurk), game-theory task design

 R, Python, Stan, Git, SQL, Matlab

LIFE SCIENCE CONSULTANCY

2016-present

Curio, iYarn, Thrive, Refinitiv, RecordUnion, MetaCell

Last updated on 2021-10-14.