

# 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

2022-  
present

● **Assistant Professor/Lecturer**

Royal Holloway, University of London

📍 London, UK

Computational & Cognitive Neuroscientist | Principal Investigator of the S3 lab

2021-  
2022

● **ARC Postdoctoral Research Fellow**

Queensland Brain Institute/ WUSTL

📍 Australia/USA

Modelling the cognition of those with corpus callosum dysgenesis

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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🌐 [github.com/josephmbarnby](https://github.com/josephmbarnby)

🐦 [joebarnby](#)

in [joe-barnby](#)

## LANGUAGES/SKILLS

🧠 Extensive experience with computational modelling (e.g. RL & Bayesian inference), 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), interactive task design

🔗 R, Python, Stan, Git, SQL

## LIFE SCIENCE CONSULTANCY

2016-present

Curio, iYarn, Thrive, Refinitiv, RecordUnion, MetaCell

*Last updated on 2022-02-11.*