

## Joe Barnby

King's College London

### Winner of the BAP Public Communication Prize

Joe is an MRC funded doctoral researcher at Kings College London, researching the neural and psychological mechanisms underlying belief and delusion formation. His primary interests are using big data to test psychological mechanisms using novel social paradigms that can then be taken to psychopharmacological studies to better understand belief formation, specifically beliefs relevant to illness. He has been given funding from the Wellcome Trust, Horizon 2020, Science Gallery and Kings College London for his research and science communication, in addition to winning the BAP 2019 Junior Public Communication Prize. Post doctorate, Joe wants to develop his own lab continuing the study of belief in health and illness.



Before his PhD, Joe has worked on scientific projects at UCL, Monash (AU) and Birkbeck spanning social cognition and psychosis, sensed presence hallucinations, crisis care in the NHS, neurofeedback, mindfulness, as well as working as an assistant psychologist in A&E and crisis care and gaining an MSc in Clinical Mental Health from UCL.

Joe believe in interesting science communication and useful psychoeducation for the public. Joe founded [Senscapes](#) in 2016 along with two other neuroscientists and an artist. Senscapes' aim is to convert neuroimaging data into an immersive audio/visual experience that can communicate complex states of mind that are often the subject of experiments. This recently was expressed in an exhibition that generated a 30-minute immersive piece using only brain data recorded from those who had taken magic mushrooms. Joe also commonly writes blogs and conducts webinars to provide mental health education and communicate recent developments in the science of mental health, as well as having talked at festivals and events on his research or about Senscapes.