

Dr Nathan Huneke, MBChB(Hons) MRes MRCPsych

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Current Positions

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| 2019 – current | MRC Clinical Research Training Fellow, <i>University of Southampton</i> |
| 2019 – current | Honorary SpR in General Adult Psychiatry, <i>Southern Health NHS Foundation Trust</i> |

Formal Education and Examinations

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| 2019 – current | PhD in Clinical Neurosciences, <i>University of Southampton</i> |
| 2017 | Membership of the Royal College of Psychiatrists <ul style="list-style-type: none"> Passed all examinations on first attempt |
| 2007 – 2013 | MBChB(Hons) Medicine, <i>University of Manchester</i> |
| 2011 – 2012 | Intercalated MRes in Medical Sciences, <i>University of Manchester</i> <ul style="list-style-type: none"> Passed with Distinction |

Previous Posts Held

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| 2018 – 2019 | ST4 in General Adult Psychiatry, <i>Southern Health NHS Foundation Trust</i> |
| 2015 – 2018 | NIHR Academic Clinical Fellow in General Adult Psychiatry, <i>Health Education Wessex</i> |
| 2013 – 2015 | Academic Foundation Programme in Psychiatry, <i>Health Education England South East</i> |

Research Funding

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| 2019 – current | MRC Clinical Research Training Fellowship, personal award (£251,153, MR/T000902/1) “Investigating the Placebo Response in Psychiatry” |
| 2016 – 2018 | Research Management Committee ACF Project Funding, <i>Faculty of Medicine, University of Southampton</i> , personal award (£9500) “The Placebo Response in Trials of Anxiety and Depression” |

Awards and Honours

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| 2020 | BAP Junior Clinical Psychopharmacology Award, <i>British Association for Psychopharmacology</i> <ul style="list-style-type: none"> This singular award is given to a young clinical researcher whose research is judged to be both excellent and leading to new insights relevant to clinical practice |
| 2020 | Winner of the ‘Early-stage PhD’ 3-minute Thesis Competition, <i>NIHR Maudsley BRC Trainees’ Conference</i> |
| 2017 | Best Poster, <i>Southampton Neuroscience Group (SoNG) Annual Meeting</i> <ul style="list-style-type: none"> Poster title: “Belief about treatment allocation predicts placebo response in the 7.5% CO₂ inhalational model of anxiety” |

- 2012 Association of Physicians Undergraduate Studentship for the MRes in Medical Sciences Course, *Association of Physicians*
- A studentship awarded by the MRes programme to facilitate the work of two outstanding students
- 2012 Intellectual Disability Forum Student Prize, *The Royal Society of Medicine*

Publications

 <https://orcid.org/0000-0001-5981-6707>



Original Research

1. **Huneke NTM**, Aslan IH, Fagan H, Phillips N, Tanna R, Cortese S, et al. Functional neuroimaging correlates of placebo response in patients with depressive or anxiety disorders: A systematic review. *Int J Neuropsychopharmacol.* 2022: pyac009.
2. **Huneke NTM**, Chamberlain SR, Baldwin DS, Grant JE. Diverse predictors of treatment response to active medication and placebo in gambling disorder. *Journal of Psychiatric Research.* 2021; 144, 96-101.
3. **Huneke NTM**, Broulidakis MJ, Darekar A, Baldwin DS, Garner M. Brain functional connectivity correlates of response in the 7.5% CO₂ inhalational model of generalized anxiety disorder: a pilot study. *Int J Neuropsychopharmacol.* 2020; 23(4), 268-273.
4. Walsh AEL, **Huneke NTM**, Brown R, Browning M, Cowen P, Harmer CJ. A dissociation of the acute effects of bupropion on positive emotional processing and reward processing in healthy volunteers. *Frontiers in psychiatry.* 2018; 9, 482.
5. **Huneke NTM**, Walsh AEL, Brown R, Browning M, Harmer CJ. No evidence for an acute placebo effect on emotional processing in healthy volunteers. *J Psychopharm.* 2017; 31(12), 1578-1587.
6. **Huneke NTM**, Brown CA, Burford E, Watson A, Trujillo-Barreto NJ, El-Dereby W, Jones AKP. Experimental Placebo Analgesia Changes Resting-State Alpha Oscillations. *PLoS One.* 2013; 8(10), e78278
7. **Huneke NTM**, Gupta R, Halder N, Chaudhry, N. Difficult decisions: Are intellectually disabled patients given enough information to consent to medical treatment? *Journal of Intellectual Disabilities.* 2012; 16(4), 265-274.

Reviews

1. **Huneke NTM**, van der Wee N, Garner M, Baldwin DS. Why we need more research into the placebo response in psychiatry. *Psychol Med.* 2020;50(14):2317-23.
2. Baldwin DS, Hou R, Gordon R, **Huneke NTM**, Garner M. Pharmacotherapy in Generalized Anxiety Disorder: Novel Experimental Medicine Models and Emerging Drug Targets. *CNS Drugs.* 2017; 31(4), 307-317.
3. Jones AKP, **Huneke NTM**, Lloyd DM, Brown CA, Watson A. Role of Functional Brain Imaging in Understanding Rheumatic Pain. *Curr Rheumatol Rep.* 2012; 14(6), 557-567.

Book Chapters

1. **Huneke NTM**, Impey B, Baldwin DS. Anxiety Disorders. In: *The Cambridge Textbook of Neuroscience for Psychiatrists.* In press.
2. Baldwin DS, **Huneke NTM**. Drugs to treat anxiety and insomnia. In: *Haddad PM, Nutt DJ (Eds). Seminars in Clinical Psychopharmacology (College Seminars Series) 3edn.* Cambridge University Press, Cambridge, UK; 2020.
3. Baldwin DS, **Huneke NTM**. Treatment of Anxiety Disorders. In: *Geddes JR, Andreasen NC and Goodwin GM (Eds). The New Oxford Textbook of Psychiatry 3edn.* Oxford University Press, Oxford, UK; 2020.
4. Brown CA, **Huneke NTM**, Jones AKP. Pain Syndromes. In: *Toga AW (Eds). Brain Mapping: An Encyclopedic Reference.* Elsevier; 2015.

Letters

1. **Huneke NTM**, Baldwin DS. Does previous experience of antidepressants form the expectations necessary for a placebo response? *Br J Psychiatry.* 2015; 207(6), 561.

External Invited Talks

- 2021 Towards Improved Translation of Treatments for Affective and Anxiety Disorders: Placebo Effects and Experimental Medicine Models. *BAP Summer Meeting, Online.*
- 2021 A Modified Trier Social Stress Test Using Videoconferencing Software. *University of Southampton Faculty of Medicine Conference, Online.*
- 2019 Why We Need More Research into the Placebo Response in Psychiatry. *Southampton Psychiatry Academic Meeting, Southampton.*

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| 2019 | fMRI Correlates of Peak Response in the 7.5% CO ₂ Inhalational Model of Generalised Anxiety: A Pilot Study. <i>RCPsych International Congress, London.</i> |
| 2017 | Functional Neuroimaging of the Placebo Response in Anxiety and Depression: A Systematic Review. <i>Faculty of General Adult Psychiatry Annual Conference, Newcastle.</i> |
| 2013 | Developing a System for Effective Student Representation in a Large Medical School. <i>AMEE International Conference, Prague, Czech Republic.</i> |

Research Supervision

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| 2021 – 2022 | Undergraduate: Ishmaam Chowdhury (BMedSci 3 rd Year Project, University of Southampton). <i>Structural imaging markers of response to the 7.5% CO₂ inhalational model of generalised anxiety.</i> |
| 2021 – 2022 | Undergraduate: Yasmin Hussein (BMedSci 3 rd Year Project, University of Southampton). <i>Resting functional imaging markers of response to the 7.5% CO₂ inhalational model of generalised anxiety.</i> |
| 2020 – 2021 | Undergraduate: Ireayo Shonibare (BMedSci 3 rd Year Project, University of Southampton). <i>Is placebo anxiolysis evident in healthy volunteers with generalised anxiety symptoms induced by 7.5% CO₂ inhalation.</i> |
| 2020 – 2021 | Undergraduate: Alexander McEwan (BMedSci 3 rd Year Project, University of Southampton). <i>Inducing social anxiety symptoms with a novel online paradigm.</i> |

Academic Service

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| Editorial Board Member | European Neuropsychopharmacology |
| Ad-hoc Peer Review | Psychological Medicine; Acta Psychiatrica Scandinavica; European Neuropsychopharmacology; International Clinical Psychopharmacology; Journal of Psychopharmacology; Brain and Behavior; Human Psychopharmacology: Clinical and Experimental |
| Grant Review | United States – Israel Binational Science Foundation |
| Departmental Service | Peer review of protocols and ethical approval applications |

Professional Societies

- British Association for Psychopharmacology (BAP) member
- Member of the Royal College of Psychiatrists (MRCPsych)
- Registered Medical Practitioner with the General Medical Council (GMC, 7408947)

Teaching

University of Southampton

BMBS, Faculty of Medicine

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| Formal teaching | Pathophysiology of Chronic Pain (<i>lecture</i> , 2018 – 2020); Doctors, Disease and Society session (<i>facilitator</i> , 2017); Mood disorders (<i>lecture</i> , 2015 -); Research in Clinical Settings (<i>Psychiatry 3rd Year Projects Induction</i> , 2018 -); Clinically relevant neuroanatomy and neuroscience (<i>Year 4 Psychiatry Seminar Series</i> , 2020 -); The Somatic Features of Anxiety Disorders (<i>lecture</i> , 2021 -). |
| Curriculum Development | Quality Assurance and writing model answers for the new Clinical Summary Exam for final year medical students; Led on creating online content for the Neuroscience section of the Year 4 Psychiatry curriculum. |

University of Manchester

MBChB, Manchester Medical School

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| Curriculum Development | Sat on the Curriculum Development Committee as a student representative. I was involved in introducing iPads as learning aids for students on placement. |
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NHS

Health Education Wessex

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| Formal teaching | <u>MRCPsych Course</u> : Liaison psychiatry (<i>facilitator</i> , 2018); Evidence-based medicine |
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and statistics (*lecturer and facilitator*, 2018 -); Clinical Psychopharmacology (*lecturer and facilitator*, 2020 -); Neurotransmitters (*lecture*, 2021 -); Neuroreceptors (*lecture*, 2021 -); Bipolar Affective Disorder masterclass (*lecturer and facilitator*, 2021 -).

Core skills course: Psychopharmacology (*lecture*, 2018 – 2020); Mental State Examination (*lecture*, 2018 -); History taking (*lecture*, 2018 -).

Curriculum Development I sit on the MRCPsych course steering group.

Ad hoc 'On the job' teaching of medical students, junior doctors and other health Professionals.

Southern Health NHS Foundation Trust

Formal teaching Induction: Psychiatry 'Essentials' (*lecture*, 2018 -).

Management and Leadership

University of Southampton

2020 Member of the planning committee for the 2020 Southampton Neuroscience Group (SoNG) Meeting

2019 – current **Neuroimaging Lead** in the University Department of Psychiatry. As part of this role I have developed an online handbook for documenting standardised workflows used in Southampton (<https://sotnir-handbook.readthedocs.io/en/latest/>).

2019 – current I organise our departmental research breakfast meeting. I arrange speakers and chair the session.

2019 – current **Lab manager** for the CL2 lab in the Academic Centre, College Keep.

Southampton Clinical Academic Training Scheme (SoCATS)

2016 – current Clinical academic trainee representative. I represent trainees at the SoCATS board meetings.

NHS

2014 – 2015 Chair of the Foundation Education Leads at John Radcliffe Hospital, Oxford.

2013 – 2014 Member of the Foundation Forum at Milton Keynes Hospital, Milton Keynes. Collated and presented feedback from junior doctors to the chief executive and worked to improve patient safety.

University of Manchester

2011 – 2012 Student representative for the MRes in Medical Sciences course, Faculty of Medicine.

2010 – 2011 Student representative for students on the MBChB medicine programme.

Additional Training and Skills

Experimental Medicine Conducting trials with pharmaceuticals in healthy volunteers including administration of experimental medicine models such as the Oxford ETB and the 7.5% CO₂ inhalational model of generalised anxiety.

Cognitive Neuroscience Proficient in: collection of behavioural measures including questionnaires and task-based measures, collection of psychophysiology data including heart rate variability, collecting and analysing structural and functional MRI, statistical analysis, manuscript preparation and submission. I have some additional experience in: analysis of resting-state EEG, behavioural task design, PsychoPy.

Computing Experience in: Matlab, Shell scripting, Python, R, Markdown. Version control of datasets with DataLad and Git.

Mental Health Act Approved under section 12(2) of the Mental Health Act as having special expertise in the diagnosis or treatment of mental disorder (2018 -).