

TRICIA X.F. SEOW

Max Planck UCL Centre for Computational Psychiatry and Ageing Research

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EDUCATION

PhD in Psychology

2017 - 2020

Trinity College Dublin, Ireland

Supervisor: Dr Claire Gillan

Dissertation: The Neurocognitive Correlates of Compulsivity

Funded by TCD Postgraduate Ussher Fellowship

Msci Neuroscience

2011 - 2015

University College London, United Kingdom

Supervisor: Prof Laurence Hunt

Thesis: Choice Dynamics with MEG

Graduated First Class Honours, Burnstock Prize (Year Three & Four)

APPOINTMENTS

Research Fellow

2020 - present

*Max Planck UCL Centre for Computational Psychiatry and Ageing Research
University College London, United Kingdom*

Supervisor: Prof Tobias Hauser

Neurocognitive Mechanisms of OCD and OCD therapy

Funded by Sir Henry Wellcome Postdoctoral Fellowship (2022 onwards)

Research Assistant

2015 - 2016

*Wellcome Trust Centre for Neuroimaging
University College London, United Kingdom*

Supervisor: Prof Stephen Fleming

Metacognition and Visual Consciousness

Intern

2013 - 2014

*Institute of Cognitive Neuroscience
University College London, United Kingdom*

Supervisor: Dr Raphael Köster & Prof Emrah Düzel

Emotion and Decision Making

GRANTS

Sir Henry Wellcome Postdoctoral Fellowship: £300,000/4 years

2022

Guarantors of Brain Travel Award for BAP 2019

2019

Trinity College Travel Grant for SOBP 2019	2019
Guarantors of Brain Travel Award for SFN 2017	2017
TCD Postgraduate Ussher Fellowship: €13,000 per annum/3 years	2017

AWARDS

UCL IoN Outstanding Public Engagement Award - OCD and the Brain	2023
UCL IoN Public Engagement Rising Star Award Nominee	2023
Best selected talk at Society for Neuroscience Singapore Chapter 2022	2022
UCL IoN Public Engagement Recognition Silver Badge	2022
Burnstock Prize (Best Year Four cohort performance)	2015
The Dean's List - UCL Faculty of Life Sciences (Year Four)	2015
Burnstock Prize (Best Year Three cohort performance)	2014
The Dean's List - UCL Faculty of Life Sciences (Year Three)	2014
The Dean's List - UCL Faculty of Life Sciences (Year Two)	2013

PRESENTATIONS

Poster: Computational Psychiatry Conference, Dublin, Ireland	2023
Poster: UCL Neuroscience Symposium 2023, UCL, London, UK	2023
Talk: UCL Education Conference 2023, UCL, London, UK	2023
Talk: Consciousness Club, UCL, Online Meeting	2023
Talk: Society for Neuroscience Singapore Chapter Annual Symposium, Singapore	2022
Talk: Computations of agency and metacognition in mental health workshop, ICN UCL, London, UK	2022
Poster: Federation of European Neuroscience Societies Forum 2022, Paris, France	2022
Talk: The College on Problems of Drug Dependence 2022, Minnesota, US	2022
Talk: Challenges and new approaches in Cognitive Computational (neuro)Psychiatry 2021, Virtual Symposium	2021
Talk: Computational Modelling in Development, FLUX 2021, Online Meeting	2021
Talk: British Association for Psychopharmacology 2021, Online Meeting	2021
Poster: Symposium on Biology of Decision Making 2021, Paris, France (virtual)	2021
Talk: Computational Psychiatry Seminar, Max Planck UCL, London, UK	2020
Poster: Society for NeuroEconomics 2019, Dublin, Ireland	2019
Poster: British Association for Psychopharmacology 2019, Manchester, UK	2019
Poster: Society for Biological Psychiatry 2019, Chicago, Illinois, US	2019
Talk: Friko Seminar Series, Max Planck, Tübingen, Germany	2019
Poster: Society for Neuroscience 2017, Washington DC, US	2017

PUBLICATIONS *First author papers* *Equal contribution

- C. A. Fox, C. T. Lee, A. Hanlon, **T. Seow**, K. Lynch, S. Harty, D. Richards, J. Palacios, V. O'Keane, K. E. Stephan and C. Gillan. Metacognition in anxious-depression is state-dependent: an observational treatment study. *PsyArXiv* 2023
- A. M. Loosen, **T. X.F. Seow** and T.U. Hauser. Consistency within change: Evaluating the psychometric properties of a widely-used predictive-inference task. *PsyArXiv* 2022
- T. X.F. Seow***, **M. Rouault***, **C. M. Gillan** and **S. M. Fleming**. Correspondence: Computational approaches are compatible with the depth and breadth of metacognition. *Biological Psychiatry*, 91(8), pp 33-34. doi: 10.1016/j.biopsych.2021.11.005 2022
- T. X.F. Seow**, and **T. U. Hauser**. Reliability of web-based affective auditory stimulus presentation. *Behaviour Research Methods*. doi: 10.3758/s13428-021-01643-0 2021
- T. X.F. Seow***, **M. Rouault***, **C. M. Gillan** and **S. M. Fleming**. How local and global metacognition shape mental health. *Biological Psychiatry*, 9(7), pp 436-446. doi: 10.1016/j.biopsych.2021.05.013 2021
- T. X.F. Seow**, **E. Benoit**, **C. Dempsey**, **M. Jennings**, **A. Maxwell**, **O'Connell, R.**, and **C. M. Gillan**. Model-based learning deficits in compulsivity are linked to faulty representations of task structure. *Journal of Neuroscience*, 1(30), pp 6539-6550. doi: 10.1523/JNEUROSCI.0031-21.2021 2021
- T. X.F. Seow**, **E. Benoit**, **C. Dempsey**, **M. Jennings**, **A. Maxwell**, **M. McDonough** and **C. M. Gillan**. Null results from a dimensional investigation of error-related negativity (ERN) and self-reported psychiatric symptoms. *International Journal of Psychophysiology*, 158, pp 340-348. doi: 10.1016/j.ijpsycho.2020.09.019 2020
- C. M. Gillan** and **T. X.F. Seow**. Carving out new transdiagnostic dimensions for research in mental health. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 5(10), pp 932-934. doi: 10.1016/j.bpsc.2020.04.013 2020
- T. X.F. Seow** and **C. M. Gillan**. Transdiagnostic phenotyping reveals a host of metacognitive deficits implicated in compulsivity. *Scientific Reports* 10, 2883, doi: 10.1038/s41598-020-59646-4 2020
- D. Rahnev et al.**, [including **T. X.F. Seow**]. The confidence database. *Nature Human Behaviour*, pp 1-8. doi: 10.1038/s41562-019-0813-1 2020
- T. Seow** and **S. M. Fleming**. Perceptual sensitivity is modulated by what others can see. *Attention, Perception & Psychophysics* 81(6), pp 1979-1990. doi: 10.3758/s13414-019-01724-5 2019
- M. Rouault***, **T. Seow***, **C. M. Gillan** and **S. M. Fleming**. Psychiatric symptom dimensions are associated with dissociable shifts in metacognition but not task performance. *Biological Psychiatry* 84(6), pp 443-451. doi: 10.1016/j.biopsych.2017.12.017 2018
- R. Köster**, **T. X. Seow**, **R. J. Dolan** and **E. Düzel**. Stimulus novelty energizes actions in the absence of explicit reward. *PLoS One* 11(7): e0159120. doi: 10.1371/journal.pone.0159120 2016

TEACHING / MENTORING

Lecturer/Marker for Higher Functions of the Brain (CLNE0003)	2023
Lecturer/Marker for Psychopharmacology (PHAR0015)	2023
Lecturer for Neuroscience of Emotion and Decision Making (PSYCH0088)	2023
Co-supervision of UCL Clinical Neuroscience Msc student	2022 - 2023
IoN Personal Tutor	2022 - present
IoN Under-Represented Students Mentorship Scheme mentor	2022 - present
Lecturer/Marker for Critical Appraisal (CLNE0007)	2022 - present
Co-supervision of UCL Brain and Mind Science Msc student	2021 - 2022
In2research Programme mentor (3 Bsc students)	2020 - 2021
Teaching assistant for R Programming Workshop at TCD GBHI	2019
Co-supervision of 5 TCD Psychology Bsc students	2017 - 2018

COMMUNITY INVOLVEMENT

Researcher Leaders in Action panel	2023
Organiser for Max Planck UCL Centre weekly departmental seminar series (Computational Psychiatry Talks)	2022 - present
Interviewer panel for 7 roles	2022 - present
OCD and the Brain public engagement project	2022 - present
ECR representative for UCL IoN EDI committee	2021 - present
Technical support for TCD GBHI Atlantic Fellows classes	2019
Peer reviewer for 15 journals	2018 - present
TCD Neuroscience Society committee member	2017 - 2018