

# TRICIA X.F. SEOW

Max Planck UCL Centre for Computational Psychiatry and Ageing Research

*Russell Square House, 10-12 Russell Square, London, WC1B 5EH, United Kingdom*

 [seowxft@gmail.com](mailto:seowxft@gmail.com)

 @seowxft

 [seowxft.github.io](https://seowxft.github.io)

## 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**

<b>Forum:</b> ECNP New Frontiers Meeting 2024, Nice, France	2024
<b>Stall:</b> Royal Society Lates: what's on your mind?, London, UK	2024
<b>Forum:</b> Wellcome Trust Bridging the gap: Neuroscience and Clinical Practice in Mental Health Workshop, London, UK	2023
<b>Stall:</b> ocdaction National Conference 2023, London, UK	2023
<b>Poster:</b> Computational Psychiatry Conference, Dublin, Ireland	2023
<b>Poster:</b> UCL Neuroscience Symposium 2023, UCL, London, UK	2023
<b>Talk:</b> UCL Education Conference 2023, UCL, London, UK	2023
<b>Talk:</b> Consciousness Club, UCL, Online Meeting	2023
<b>Talk:</b> Society for Neuroscience Singapore Chapter Annual Symposium, Singapore	2022
<b>Talk:</b> Computations of agency and metacognition in mental health workshop, ICN UCL, London, UK	2022
<b>Poster:</b> Federation of European Neuroscience Societies Forum 2022, Paris, France	2022
<b>Talk:</b> The College on Problems of Drug Dependence 2022, Minnesota, US	2022
<b>Talk:</b> Challenges and new approaches in Cognitive Computational (neuro)Psychiatry 2021, Virtual Symposium	2021
<b>Talk:</b> Computational Modelling in Development, FLUX 2021, Online Meeting	2021
<b>Talk:</b> British Association for Psychopharmacology 2021, Online Meeting	2021
<b>Poster:</b> Symposium on Biology of Decision Making 2021, Paris, France (virtual)	2021
<b>Talk:</b> Computational Psychiatry Seminar, Max Planck UCL, London, UK	2020
<b>Poster:</b> 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

<a href="#">T. X.F. Seow</a> and <a href="#">T.U. Hauser</a> . Reliability of anxiety and harm ratings of animal and tool visual stimuli. <i>Open Wellcome Research</i> . doi:10.12688/wellcomeopenres.20693.1	2024
C. A. Fox, C. T. Lee, A. Hanlon, <a href="#">T. Seow</a> , K. Lynch, S. Harty, D. Richards, J. Palacios, V. O'Keane, K. E. Stephan and C. Gillan. An observational treatment study of metacognition in anxious-depression. <i>eLife</i> . doi: 10.7554/eLife.87193.3	2023
A. M. Loosen, <a href="#">T. X.F. Seow</a> and T.U. Hauser. Consistency within change: Evaluating the psychometric properties of a widely-used predictive-inference task. <i>PsyArXiv</i>	2022
<a href="#">T. X.F. Seow*</a> , <a href="#">M. Rouault*</a> , <a href="#">C. M. Gillan</a> and <a href="#">S. M. Fleming</a> . Correspondence: Computational approaches are compatible with the depth and breadth of metacognition. <i>Biological Psychiatry</i> , 91(8), pp 33-34. doi: 10.1016/j.biopsych.2021.11.005	2022
<a href="#">T. X.F. Seow</a> , and T. U. Hauser. Reliability of web-based affective auditory stimulus presentation. <i>Behaviour Research Methods</i> . doi: 10.3758/s13428-021-01643-0	2021
<a href="#">T. X.F. Seow*</a> , <a href="#">M. Rouault*</a> , <a href="#">C. M. Gillan</a> and <a href="#">S. M. Fleming</a> . How local and global metacognition shape mental health. <i>Biological Psychiatry</i> , 9(7), pp 436-446. doi: 10.1016/j.biopsych.2021.05.013	2021
<a href="#">T. X.F. Seow</a> , 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. <i>Journal of Neuroscience</i> , 1(30), pp 6539-6550. doi: 10.1523/JNEUROSCI.0031-21.2021	2021
<a href="#">T. X.F. Seow</a> , 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. <i>International Journal of Psychophysiology</i> , 158, pp 340-348. doi: 10.1016/j.ijpsycho.2020.09.019	2020
C. M. Gillan and <a href="#">T. X.F. Seow</a> . Carving out new transdiagnostic dimensions for research in mental health. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 5(10), pp 932-934. doi: 10.1016/j.bpsc.2020.04.013	2020
<a href="#">T. X.F. Seow</a> and C. M. Gillan. Transdiagnostic phenotyping reveals a host of metacognitive deficits implicated in compulsivity. <i>Scientific Reports</i> 10, 2883, doi: 10.1038/s41598-020-59646-4	2020
D. Rahnev et al., [including <a href="#">T. X.F. Seow</a> ]. The confidence database. <i>Nature Human Behaviour</i> , pp 1-8. doi: 10.1038/s41562-019-0813-1	2020
<a href="#">T. Seow</a> and <a href="#">S. M. Fleming</a> . Perceptual sensitivity is modulated by what others can see. <i>Attention, Perception &amp; Psychophysics</i> 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 energises actions in the absence of explicit reward. *PLoS One* 11(7): e0159120. doi: 10.1371/journal.pone.0159120 2016

## **TEACHING / MENTORING**

- PhD upgrade examiner 2023
- Lecturer/Marker for Higher Functions of the Brain (CLNE0003) 2023 - present
- Lecturer/Marker for Psychopharmacology (PHAR0015) 2023 - present
- Lecturer for Neuroscience of Emotion and Decision Making (PSYCH0088) 2023 - present
- Co-supervision of Tübingen CaCTüS Intern 2023
- Co-supervision of UCL Clinical Neuroscience Msc student 2022 - 2023
- IoN Personal Tutor (5 Bsc students) 2022 - present
- IoN Under-Represented Students Mentorship Scheme mentor (1 Bsc, 1 Msc) 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 - 2023
- 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