

# 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](https://twitter.com/seowxft)

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

## EDUCATION

### PhD in Psychology

**Trinity College Dublin, Ireland**

Supervisor: Dr Claire Gillan

Dissertation: The Neurocognitive Correlates of Compulsivity

Funded by TCD Postgraduate Ussher Fellowship

2017 - 2020

### Msci Neuroscience

**University College London, United Kingdom**

Supervisor: Prof Laurence Hunt

Thesis: Choice Dynamics with MEG

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

2011 - 2015

## APPOINTMENTS

### Research Fellow

**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 (Jan 2022 onwards)

2020 - present

### Research Assistant

**Wellcome Trust Centre for Neuroimaging**

**University College London, United Kingdom**

Supervisor: Prof Stephen Fleming

Metacognition and Visual Consciousness

2015 - 2016

### Undergraduate Intern

**Institute of Cognitive Neuroscience**

**University College London, United Kingdom**

Supervisor: Dr Raphael Köster & Prof Emrah Düzel

Emotion and Decision Making

2013 - 2014

## AWARDS

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

2023  
2023  
2022  
2022  
2015  
2015  
2014  
2014  
2013

## 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

## PRESENTATIONS

<b>Talk:</b> Wellcome Researcher Meeting, Birmingham, UK	2024
<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
<b>Poster:</b> British Association for Psychopharmacology 2019, Manchester, UK	2019
<b>Poster:</b> Society for Biological Psychiatry 2019, Chicago, Illinois, US	2019
<b>Talk:</b> Friko Seminar Series, Max Planck, Tübingen, Germany	2019
<b>Poster:</b> Society for Neuroscience 2017, Washington DC, US	2017

## PUBLICATIONS *First author papers* \*Equal contribution

<b><a href="#">T. X.F. Seow</a> and <a href="#">T.U. Hauser</a>.</b> Reliability of anxiety and harm ratings of animal and tool visual stimuli. <i>Open Wellcome Research</i> . doi:10.12688/wellcomeopenres.20693.1	2024
<b>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.</b> An observational treatment study of metacognition in anxious-depression. <i>eLife</i> . doi: 10.7554/eLife.87193.3	2023
<b>A. M. Loosen, <a href="#">T. X.F. Seow</a> and <a href="#">T.U. Hauser</a>.</b> Consistency within change: Evaluating the psychometric properties of a widely-used predictive-inference task. <i>PsyArXiv</i>	2022
<b><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>.</b> 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
<b><a href="#">T. X.F. Seow</a>, and <a href="#">T. U. Hauser</a>.</b> Reliability of web-based affective auditory stimulus presentation. <i>Behaviour Research Methods</i> . doi: 10.3758/s13428-021-01643-0	2021

<b>T. X.F. Seow*, M. Rouault*, C. M. Gillan and S. M. Fleming.</b> 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
<b>T. X.F. Seow, E. Benoit, C. Dempsey, M. Jennings, A. Maxwell, O'Connell, R., and C. M. Gillan.</b> 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
<b>T. X.F. Seow, E. Benoit, C. Dempsey, M. Jennings, A. Maxwell, M. McDonough and C. M. Gillan.</b> 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
<b>C. M. Gillan and T. X.F. Seow.</b> 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
<b>T. X.F. Seow and C. M. Gillan.</b> 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
<b>D. Rahnev et al., [including T. X.F. Seow].</b> The confidence database. <i>Nature Human Behaviour</i> , pp 1-8. doi: 10.1038/s41562-019-0813-1	2020
<b>T. Seow and S. M. Fleming.</b> 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
<b>M. Rouault*, T. Seow*, C. M. Gillan and S. M. Fleming.</b> Psychiatric symptom dimensions are associated with dissociable shifts in metacognition but not task performance. <i>Biological Psychiatry</i> 84(6), pp 443-451. doi: 10.1016/j.biopsych.2017.12.017	2018
<b>R. Köster, T. X. Seow, R. J. Dolan and E. Düzel.</b> Stimulus novelty energises actions in the absence of explicit reward. <i>PLoS One</i> 11(7): e0159120. doi: 10.1371/journal.pone.0159120	2016

## **TEACHING & SUPERVISION**

IoN PhD upgrade examiner	2024
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
Lecturer/Marker for Research Methods/Critical Appraisal (CLNE0007)	2022 - present
Co-supervision of UCL Brain and Mind Science Msc student	2021 - 2022
Teaching assistant for R Programming Workshop at TCD GBHI	2019
Technical support for TCD GBHI Atlantic Fellows classes	2019
Co-supervision of 5 TCD Psychology Bsc students	2017 - 2018

## **MENTORING**

IoN Academic Mentoring Scheme mentor (1 Msc)	2023 - present
IoN Personal Tutor (5 Msc students)	2022 - present
IoN Under-Represented Students Mentorship Scheme mentor (1 Bsc, 1 Msc)	2022 - present
In2research Programme mentor (3 Bsc students)	2020 - 2021

## **COMMUNITY INVOLVEMENT**

IoN Athena SWAN self-assessment team member	<i>2023 - present</i>
Festival of Early Stage Researchers (FESR) Leadership in Action panellist	<i>2023</i>
Organiser of Max Planck UCL Centre Computational Psychiatry Seminar series	<i>2022 - present</i>
University of Tübingen Interviewer panellist for (7 roles)	<i>2022 - 2023</i>
UCL IoN Interviewer panellist (2 roles)	<i>2022 - 2023</i>
OCD and the Brain public engagement project	<i>2022 - 2023</i>
ECR representative for UCL IoN EDI committee	<i>2021 - present</i>
TCD Neuroscience Society committee member	<i>2017 - 2018</i>

## **AD-HOC PEER REVIEW**

Wellcome Trust, Nature Human Behaviour, Biological Psychiatry, Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, Neuroscience and Biobehavioral Reviews, Translational Psychiatry, Psychological Medicine, International Journal of Mental Health and Addiction, NeuroImage, Research Behavior Methods, Human Brain Mapping, British Journal of Psychiatry, PLOS Computational Biology, Scientific Reports, BMC Psychiatry, Social Cognitive and Affective Neuroscience, Heliyon, Brain and Behavior, Consciousness and Cognition