

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 (Jan 2022 onwards)

Research Assistant

2015 - 2016

Wellcome Trust Centre for Neuroimaging

University College London, United Kingdom

Supervisor: Prof Stephen Fleming

Metacognition and Visual Consciousness

Undergraduate Intern

2013 - 2014

Institute of Cognitive Neuroscience

University College London, United Kingdom

Supervisor: Dr Raphael Köster & Prof Emrah Düzel

Emotion and Decision Making

AWARDS

UCL WCHN Outstanding Public Engagement Award – OCD and the Brain

2023

UCL WCHN Public Engagement Rising Star Award Nominee

2023

Best selected talk at Society for Neuroscience Singapore Chapter 2022

2022

UCL WCHN 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

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

Poster: Cognitive Computational Neuroscience 2024, Massachusetts, US	2024
Talk: Wellcome Researcher Meeting, Birmingham, UK	2024
Forum: ECNP New Frontiers Meeting 2024, Nice, France	2024
Stall: Royal Society Lates: what's on your mind?, London, UK	2024
Forum: Wellcome Trust Bridging the gap: Neuroscience and Clinical Practice in Mental Health Workshop, London, UK	2023
Stall: ocdaction National Conference 2023, London, UK	2023
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: Frico Seminar Series, Max Planck, Tübingen, Germany	2019
Poster: Society for Neuroscience 2017, Washington DC, US	2017

PUBLICATIONS *First author papers* *Equal contribution

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. <i>Behaviour Research Methods</i> . doi: 10.3758/s13428-024-02427-y	2024
T. X.F. Seow, S. M. Fleming and T. U. Hauser. Metacognitive biases in anxious-depression and compulsivity extend across perception and memory. <i>Psyarxiv</i> . doi: 10.31234/osf.io/avyph	2024
T. X.F. Seow and T.U. Hauser. 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, T. Seow, 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.	2023

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. <i>Biological Psychiatry</i> , 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. <i>Behaviour Research Methods</i> . 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. <i>Biological Psychiatry</i> , 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. <i>Journal of Neuroscience</i> , 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. 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 T. X.F. Seow. 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
T. X.F. Seow 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 T. X.F. Seow]. The confidence database. <i>Nature Human Behaviour</i> , 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. <i>Attention, Perception & 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. <i>Biological Psychiatry</i> 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. <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
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IoN Personal Tutor (5 Msc students)	<i>2022 - present</i>
IoN Under-Represented Students Mentorship Scheme mentor (1 Bsc, 1 Msc)	<i>2022 - present</i>
In2research Programme mentor (3 Bsc students)	<i>2020 - 2021</i>

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

Reviewed abstracts for the Computational Psychiatry Conference 2024, Cognitive Computational Neuroscience Conference 2024