

TRICIA X.F. SEOW

Max Planck UCL Centre for Computational Psychiatry and Ageing Research
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EDUCATION

PhD in Psychology, Trinity College Dublin, Ireland 2017 - 2020
Supported by TCD Postgraduate Ussher Fellowship

Msci Neuroscience, University College London, United Kingdom 2011 - 2015
Graduated First Class Honours

RESEARCH EXPERIENCE

**Max Planck UCL Centre for Computational Psychiatry and Ageing Research,
University College London, United Kingdom** 2020 - present
Research Fellow - Supervisor: Dr Tobias Hauser

Dept. of Psychology, Trinity College Dublin, Ireland 2017 - 2020
Graduate Researcher - Supervisor: Dr Claire Gillan
Project title: The Neurocognitive Correlates of Compulsivity

**Wellcome Trust Centre for Neuroimaging, University College London,
United Kingdom** 2015 - 2016
Research Assistant - Supervisor: Dr Stephen Fleming
Project area: Metacognition and Visual Consciousness

**Wellcome Trust Centre for Neuroimaging; University College London,
United Kingdom** 2014 - 2015
Undergraduate Researcher - Supervisor: Dr Laurence Hunt
Project title: Choice Dynamics with MEG

**Institute of Cognitive Neuroscience, University College London,
United Kingdom** 2013 - 2014
Intern - Supervisor: Dr Raphael Köster & Professor Emrah Düzel
Project area: Emotion and Decision Making

Honours & Awards

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	2017
The Dean's List – UCL Faculty of Life Sciences (Year Four)	2015
Burnstock Prize (Best overall Year Three 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

PUBLICATIONS

<u>T. X.F. Seow*</u>, M. Rouault*, C. M. Gillan and S. M. Fleming. How local and global metacognition shape mental health. <i>Biological Psychiatry (accepted)</i>	2021
<u>T. X.F. Seow</u>, 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 (accepted)</i>	2021
<u>T. X.F. Seow</u>, and T. U. Hauser. Reliability of web-based affective auditory stimulus presentation. <i>BioRxiv</i> . doi:10.1101/2021.02.08.430267	2021
<u>T. X.F. Seow</u>, 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 <u>T. X.F. Seow</u>. 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
<u>T. X.F. Seow</u> 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 <u>T. X.F. Seow</u>]. The confidence database. <i>Nature Human Behaviour</i> , pp 1-8. doi: 10.1038/s41562-019-0813-1	2020
<u>T. Seow</u> 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. *Biological Psychiatry* 84(6), pp 443-451. doi: 10.1016/j.biopsych.2017.12.017 2018

R. Koster, 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

***First author equal contribution**

CONFERENCES, SEMINARS, WORKSHOPS

Poster: Symposium on Biology of Decision Making 2021, Paris, France 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, IL, US 2019
Invited Talk: Friko Seminar Series, Max Planck, Tübingen, Germany 2019
 MQ Mental Health Science Meeting, London, UK 2018
Poster: Society for Neuroscience 2017, Washington DC, US 2017
 Computational Psychiatry Course, ETH, Zurich 2017
 Symposium: Advances in computational neuroimaging, UCL, UK 2016
 BBK Workshop on Decision-Making, UCL, UK 2015
 German Center for Neurodegenerative Diseases (DZNE) Opening Symposium & Institute for Cognitive Neurology and Dementia Research (IKND) Retreat, Magdeburg, Germany 2014

COMMUNITY INVOLVEMENT

In2research Programme Mentor 2020 - present
 Technical Support for TCD GBHI Atlantic Fellows classes 2019
 Teaching Assistant for R Programming Workshop at TCD GBHI 2019
 Peer reviewer for 7 Journals 2018 - present
 Co-supervised undergraduate psychology students (5) 2017 - 2018
 TCD Neuroscience Society – Ordinary Committee Member 2017 - 2018
